

**REVIEWED**

By Mike Buchanan at 11:43 am, Jul 11, 2023



**2022  
ANNUAL MONITORING REPORT**

**TNM SPS-11**

NW ¼ SE ¼ of SECTION 18, TOWNSHIP 18 SOUTH, RANGE 36 EAST

LEA COUNTY, NEW MEXICO

PLAINS SRS NUMBER: TNM-SPS-11

MOCD Reference GW-0140

Incident # nAPP2109538554

Review of the 2022 Annual Groundwater Monitoring Report for Plains Marketing TNM SPS-11 Site:

**Content Satisfactory.**

1. Continue to groundwater monitor through 2023, continue to recover PSH on a bi-monthly basis.
2. Continue to conduct PAH analysis for MW-1, MW-4, MW-2, MW-7, and MW-11.
3. Submit the 2023 Annual GW Report by April 1, 2024.
4. Conduct low-flow sampling of MNA parameters as appropriate for listed wells in report.

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**March 2023**

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

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A handwritten signature in blue ink that reads "Jonathan P. Repman".

Jonathan P. Repman, P.G.  
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## INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2022 Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998 requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by TRC, previously NOVA Safety and Environmental. The TNM SPS-11 Release Site (the Site), which was formerly the responsibility of Texas New Mexico Pipe Line Company (TNMPL) and EOTT Energy Corporation (EOTT), which became Link Energy, is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2022 only. However, historical data tables, as well as 2022 laboratory analytical reports are included in this report. Historical information prior to August 19, 1999 does not appear because this data is unavailable. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2022 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells 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 fifteen (15) miles west of Hobbs, New Mexico in the NW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 18, Township 18 South, Range 36 East. Observations in the field indicated the surface topography in the area of the Site to be nearly flat. Ground cover consists of low grasses with few mesquite bushes. The predominant land usage in the vicinity of the Site is oil and gas production and range land.

According to the Site Investigation and Remedial Action Plan prepared by TNMPL and dated January 25, 1993, water from a utility well (SPS-11) belonging to Southwestern Public Service Company (SPS) was sampled on April 2, 1991. The analytical results indicated benzene concentrations were above the Environmental Protection Agency (EPA) drinking water standards. The water well was taken out of service in April 1991. A TNMPL pipeline adjacent to the water well was identified and a hydrocarbon surface stain was observed in the vicinity of utility well SPS-11. The staining was reportedly the result of a pipeline release prior to 1975. No detailed information, with respect to the release date, volume of crude oil released, or pipeline repair is available, at this time. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.

Initial site investigation actions were performed for TNMPL and EOTT by previous consultants. A total of twenty-five (25) soil borings/groundwater monitoring wells (MW-1 through MW-25) were installed prior to October 1999 and six (6) monitor wells (MW-26 through MW-31) were installed



between May 2000 and December 2001. In 2004, two (2) additional monitor wells (MW-32 and MW-33) were installed. In March 2006, one (1) soil boring (SB-106) was advanced and two (2) monitor wells (MW-34 and MW-35) were installed. In September 2006, one (1) soil boring (SB-206) was advanced and three (3) monitor wells (MW-36, MW-37, and MW-38) were installed. On November 27, 2007, two (2) additional monitor wells (MW-39 and MW-40) were installed to further delineate the down gradient impact to groundwater.

Of the forty (40) monitor wells installed at the Site since project inception, two (2) monitor wells (MW-5 and MW-8) cannot be located. Monitor wells MW-20, MW-22, and MW-27 were plugged and abandoned September 14, 2005, after review of relevance and on approval of the NMOCD. There are currently thirty-five (35) monitor wells (MW-1 through MW-4, MW-6, MW-7, MW-9 through MW-19, MW-21, MW-23 through MW-26, and MW-28 through MW-40) on site.

## FIELD ACTIVITIES

### Product Recovery Efforts

Based on gauging data collected during the reporting period, a measurable thickness of PSH was detected in monitor wells MW-2, MW-4, MW-7, and MW-11 during the four (4) quarterly sampling events. PSH was detected in monitor well MW-1 during the 1<sup>st</sup> and 3<sup>rd</sup> quarters of 2022. The maximum thickness of PSH in the monitor wells was 4.72 feet as recorded in monitor well MW-4 on July 27, 2022. The average thickness of PSH in monitor wells exhibiting PSH was 2.29 feet. PSH data for the 2022 gauging events can be found in Table 1. PSH recovery is performed on a bi-monthly schedule by manual recovery methods. Approximately 136.96 gallons (3.26 barrels) of PSH was recovered manually from the Site during this reporting period.

### Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended by NMOCD correspondences dated June 22, 2005, May 2, 2006, and March 24, 2020.

| NMOCD Approved Sampling Schedule subsequent to March 24, 2020 Modification |           |       |                       |       |               |
|----------------------------------------------------------------------------|-----------|-------|-----------------------|-------|---------------|
| MW-1                                                                       | Quarterly | MW-15 | Annually              | MW-29 | Semi-Annually |
| MW-2                                                                       | Annually  | MW-16 | Quarterly             | MW-30 | Annually      |
| MW-3                                                                       | Annually  | MW-17 | Annually              | MW-31 | Annually      |
| MW-4                                                                       | Quarterly | MW-18 | Semi-Annually         | MW-32 | Quarterly     |
| MW-5                                                                       | -         | MW-19 | Annually              | MW-33 | Annually      |
| MW-6                                                                       | Quarterly | MW-20 | Plugged and abandoned | MW-34 | Annually      |
| MW-7                                                                       | Quarterly | MW-21 | Annually              | MW-35 | Semi-Annually |
| MW-8                                                                       | -         | MW-22 | Plugged and abandoned | MW-36 | Annually      |
| MW-9                                                                       | Quarterly | MW-23 | Annually              | MW-37 | Annually      |
| MW-10                                                                      | Quarterly | MW-24 | Semi-Annually         | MW-38 | Annually      |
| MW-11                                                                      | Quarterly | MW-25 | Annually              | MW-39 | Annually      |
| MW-12                                                                      | Annually  | MW-26 | Quarterly             | MW-40 | Annually      |
| MW-13                                                                      | Annually  | MW-27 | Plugged and abandoned |       |               |
| MW-14                                                                      | Quarterly | MW-28 | Quarterly             |       |               |

The Site monitor wells were gauged and sampled on February 9-10 and March 9, May 2-4, August 1-3, and October 26-28, 2022. During each sampling event, monitor wells were purged of a minimum of three (3) well volumes of water or until the wells failed to produce water. Purging was performed using a disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Please note, during the reporting period, monitor wells MW-4, MW-9, MW-11, MW-14, MW-32, and MW-35 were sampled using industry standard low-flow sampling techniques. A water quality meter was utilized to monitor the flow of groundwater for pH, temperature (°C), conductivity, Oxygen Reduction Potential (ORP), Dissolved Oxygen (DO), and Turbidity. The above parameters were monitored until three (3) of the six (6) parameters stabilized to within a ten percent (10%) “window”, at which time groundwater samples were collected. The six (6) monitor wells (MW-4, MW-9, MW-11, MW-14, MW-32, and MW-35) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events performed in 2022, are depicted on Figures 3A - 3D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2022 is summarized in Table 1 and historical groundwater elevation data is summarized in Table 4.

The most recent Inferred Groundwater Gradient Map, Figure 3D, indicated a gradient of 0.0031 feet/foot to the southeast. This is consistent with data presented on Figures 3A through 3C from earlier in the year. The corrected groundwater elevations ranged between 3,788.66 and 3799.96 feet above mean sea level, in monitor well MW-35 on October 27, 2022, and in monitor well MW-25 on February 9, 2022, respectively. PSH data for the 2022 gauging events can be found in Table 1 and on Figures 5A - 5D, Figures 6A - 6D, and Figures 7A - 7D.

## LABORATORY RESULTS

Based on the results of the groundwater monitoring and sampling activities over the past several years, it is believed the SPS-11 Site appears to be composed of multiple release incidents. Based on the results of the groundwater monitoring and sampling activities this Site is divided into three (3) separate areas. Each area is defined by impacted soil and groundwater; however, the areas are separated by historically non-impacted wells supported by analytical data. For discussion purposes, we have identified the area to the northwest as “Area 1” and consists of monitor wells MW-6, MW-9, MW-12, MW-13, MW-14, MW-15, MW-16, MW-23, MW-24, and MW-25. “Area 2” is the central area and consists of monitor wells MW-1, MW-2, MW-3, MW-4, MW-7, MW-10, MW-11, MW-18, MW-19, MW-21, and MW-39. “Area 3” is the area to the southeast and consists of

monitor wells MW-17, MW-26, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, and MW-40.

Monitor well MW-1 exhibited measurable PSH during the February 10<sup>th</sup> 1<sup>st</sup> quarter sampling event and was not sampled as part of the quarterly sampling events. Monitor well MW-1 exhibited PSH during the August 2<sup>nd</sup> sampling event and was sampled. During the 4<sup>th</sup> quarter, monitor well MW-1 was sampled for BTEX and PAH constituents. Monitor well MW-2 exhibited measurable PSH during all four (4) quarters of the reporting period and was not sampled. Monitor well MW-4 exhibited measurable PSH during all four (4) quarters, due to MNA parameter sampling monitor well MW-4 was sampled for BTEX and PAH constituents. Monitor well MW-7 exhibited measurable PSH during all four (4) quarters of the reporting period and was not sampled. Monitor well MW-11 exhibited measurable PSH during all four (4) quarters, due to MNA parameter sampling monitor well MW-11 was sampled for BTEX, PAH constituents, and MNA constituents.

Groundwater samples obtained during quarterly sampling events of 2022 were delivered to Permian Basin Environmental Laboratories, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270, was scheduled to be conducted during the 2022 calendar year on monitor wells MW-1, MW-2, MW-4, MW-7, and MW-11. Due to the presence of PSH in the above monitor wells, PAH analysis was not conducted on monitor wells MW-2 and MW-7.

MNA parameters sampling activities were conducted during all four (4) quarters of the reporting period and PAH analysis was conducted on monitor wells MW-1, MW-4 and MW-11. A listing of BTEX constituent concentrations for 2022 are summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2022 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. Copies of the laboratory reports generated for 2022 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 5A - 5D, 6A - 6D, and 7A - 7D.

## Area 1 Monitor Wells

**Monitor well MW-6** is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory Reporting Limit (RL) and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2006. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-9** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.195 mg/L during the 4<sup>th</sup> quarter to 0.431 mg/L during the February 10<sup>th</sup> 1<sup>st</sup> quarter sampling event of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during 3<sup>rd</sup> and 4<sup>th</sup> quarter to 0.00132 mg/L during the February 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of 2022. Toluene concentrations were below the

NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00659 mg/L during the 4<sup>th</sup> quarter to 0.0862 mg/L during the February 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 4<sup>th</sup> quarter to 0.0137 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

Please note, monitor well MW-9 was selected as MNA parameter well and is located “upgradient of the plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-9.

| Sample Date | Sample Location | pH (SU)<br>±10% | Temp C<br>±10% | Conductivity<br>(u-mhos/cm)<br>±10% | ORP (mV)<br>±10% | DO mg/L<br>±10% | Turbidity<br>(NTUs)<br>±10% or<br>< 5 NTUs |
|-------------|-----------------|-----------------|----------------|-------------------------------------|------------------|-----------------|--------------------------------------------|
| 03/09/22    | MW-9            | 5.93            | 21.31          | 0.603                               | -126             | 0.99            | 28.5                                       |
| 05/03/22    | MW-9            | 6.50            | 21.29          | 1.28                                | -73              | 0.00            | 0.00                                       |
| 08/03/22    | MW-9            | 6.00            | 23.76          | 1.22                                | -121             | 3.99            | 5.0                                        |
| 10/27/22    | MW-9            | 6.79            | 23.51          | 1.27                                | -155             | 0.09            | 38.0                                       |

Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Increasing” in monitor well MW-9. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Increasing” in monitor well MW-9. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Increasing” in monitor well MW-9. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Increasing” in monitor well MW-9.

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

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

**Monitor well MW-12** 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 3<sup>rd</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2012. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-13** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the installation of the monitor well in the 3<sup>rd</sup> quarter of 1999. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-14** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from less than the RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarter to 0.00119 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters to 0.00101 mg/L during the February 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters to 0.00487 mg/L during the February 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from below the applicable laboratory RL and NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters of the reporting period to 0.00164 mg/L during the 3<sup>rd</sup> quarter of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

Please note, monitor well MW-14 was selected as MNA parameter well and is located “upgradient within the plume” location. Groundwater samples collected during the 4<sup>th</sup> 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-14.

| Sample Date | Sample Location | pH (SU)<br>±10% | Temp C<br>±10% | Conductivity<br>(u-mhos/cm)<br>±10% | ORP (mV)<br>±10% | DO mg/L<br>±10% | Turbidity<br>(NTUs)<br>±10% or < 5<br>NTUs |
|-------------|-----------------|-----------------|----------------|-------------------------------------|------------------|-----------------|--------------------------------------------|
| 03/09/22    | MW-14           | 6.04            | 20.35          | 0.586                               | -155             | 1.09            | 273                                        |
| 05/03/22    | MW-14           | 6.21            | 20.96          | 1.11                                | -63              | 16.7            | 13.7                                       |
| 08/03/22    | MW-14           | 6.29            | 25.84          | 1.10                                | -144             | 4.37            | 42.8                                       |
| 10/27/22    | MW-14           | 6.80            | 21.89          | 1.18                                | -140             | 0.00            | 107                                        |

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14.



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-15** is sampled on an annual schedule and the analytical results indicated benzene, ethylbenzene, and xylene constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the 3<sup>rd</sup> quarter of the reporting period. The toluene concentration was 0.0606 mg/L during the 3<sup>rd</sup> quarter, which is below to NMOCD regulatory guidelines. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2002. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-16** is sampled on a quarterly schedule and could not be sampled during all four (4) quarterly sampling events due to insufficient groundwater in the monitor well.

**Monitor well MW-23** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2003. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-24** and is sampled on a semi-annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the 2<sup>nd</sup> and 4<sup>th</sup> quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2017. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-25** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3<sup>rd</sup> quarter of 1999. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

## **Area 2 Monitor Wells**

**Monitor well MW-1** is monitored/sampled on a quarterly schedule. Monitor well MW-1 was not sampled during 1<sup>st</sup> quarter of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.01 and 0.01 feet were reported during the 1<sup>st</sup> and 3<sup>rd</sup> quarter sampling events of 2022, respectively.



Monitor well MW-1 was sampled during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022 and the analytical results indicated benzene concentrations ranged from 1.08 mg/L during the 4<sup>th</sup> quarter to 3.59 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guideline during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations ranged from 0.0178 mg/L during the 4<sup>th</sup> quarter to 0.0292 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022. Ethylbenzene concentrations ranged from 0.0231 during the 4<sup>th</sup> quarter to 0.131 mg/L during the 3<sup>rd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations ranged from 0.0557 mg/L during the 4<sup>th</sup> quarter to 0.1018 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0064 mg/L), phenanthrene (0.017 mg/L), and naphthalene (0.285 mg/L).

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated potentially elevated concentrations above NMWQCC Drinking Water Standards for Benzo[a]anthracene (<0.0001 mg/L) and Pyrene (<0.11 mg/L).

**Monitor well MW-2** is monitored/sampled on a quarterly schedule. Monitor well MW-2 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.09 feet, 0.04 feet, 1.63 feet, and 0.20 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022, respectively. PAH analysis was not conducted during the 4<sup>th</sup> quarter sampling event due to the presence of PSH.

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

**Monitor well MW-4** is sampled on a quarterly schedule. MW-4 was not sampled during the February 10<sup>th</sup>, quarterly sampling event due to the presence of PSH. PSH was present during all four (4) quarters of the reporting period, however, due to MNA parameter sampling monitor well MW-4 was sampled for BTEX constituents during the March 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event and during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of the reporting period. Analytical results indicated benzene concentrations ranged from 0.340 mg/L during the 3<sup>rd</sup> quarter to 1.85 mg/L during the 2<sup>nd</sup> quarter of the reporting period. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00481 mg/L during the 3<sup>rd</sup> quarter to 0.111 mg/L during the March 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0140 mg/L during the 3<sup>rd</sup> quarter to 2.63 mg/L during the 1<sup>st</sup> quarter of 2022. Ethylbenzene concentrations were

above the NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations ranged from 0.994 mg/L during the 4<sup>th</sup> quarter to 2.872 mg/L during the March 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0079 mg/L), phenanthrene (0.021 mg/L), and naphthalene (0.319 mg/L).

Monitor well MW-4 was selected as an MNA parameter well and is located in the “Center of Plume”. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-4

| Sample Date | Sample Location | pH (SU)<br>±10% | Temp C<br>±10% | Conductivity<br>(u-mhos/cm)<br>±10% | ORP (mV)<br>±10% | DO mg/L<br>±10% | Turbidity<br>(NTUs)<br>±10% or < 5<br>NTUs |
|-------------|-----------------|-----------------|----------------|-------------------------------------|------------------|-----------------|--------------------------------------------|
| 03/10/22    | MW-4            | 6.32            | 20.13          | 0.522                               | -23              | 3.33            | 317                                        |
| 05/03/22    | MW-4            | 6.92            | 21.19          | 0.528                               | -27              | 1.50            | 92.9                                       |
| 08/03/22    | MW-4            | 6.23            | 23.08          | 0.522                               | -82              | 2.04            | 8.4                                        |
| 10/27/22    | MW-4            | 7.18            | 22.29          | 0.518                               | -229             | 0.00            | 107                                        |

Analytical benzene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-4. Analytical toluene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-4. Analytical ethylbenzene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-4. Analytical xylene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-4.

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

**Monitor well MW-7** is monitored on a quarterly schedule. Monitor well MW-7 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 1.67 feet, 0.58 feet, 0.93 feet, and 1.33 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022, respectively. PAH analysis was not conducted during the 4<sup>th</sup> quarter sampling event due to the presence of PSH.

**Monitor well MW-10** is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated

BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2015. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-11** is sampled on a quarterly schedule. MW-11 was not sampled during the February 10<sup>th</sup>, quarterly sampling event due to the presence of PSH. PSH was present during all four (4) quarters of the reporting period, however, due to MNA parameter sampling monitor well MW-11 was sampled for BTEX, PAH, and MNA during all four (4) quarters of the reporting period. Analytical results indicated benzene concentrations ranged from 7.82 mg/L during the 4<sup>th</sup> quarter to 9.61 mg/L during the 2<sup>nd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00457 mg/L during the 2<sup>nd</sup> quarter to 0.0115 mg/L during the March 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 1.25 mg/L during the 4<sup>th</sup> quarter to 2.53 mg/L during the 2<sup>nd</sup> quarter of the reporting period. Ethylbenzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.6923 mg/L during the 4<sup>th</sup> quarter to 1.470 mg/L during the 3<sup>rd</sup> quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0079 mg/L), pyrene (0.016 mg/L), and naphthalene (0.35 mg/L).

Monitor well MW-11 was selected as an MNA parameter well and is located in the “Cross Gradient of the Plume”. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-11.

| Sample Date | Sample Location | pH (SU) ±10% | Temp C ±10% | Conductivity (u-mhos/cm) ±10% | ORP (mV) ±10% | DO mg/L ±10% | Turbidity (NTUs) ±10% or < 5 NTUs |
|-------------|-----------------|--------------|-------------|-------------------------------|---------------|--------------|-----------------------------------|
| 03/10/22    | MW-11           | 6.11         | 20.42       | 0.889                         | -145          | 0.98         | 3.9                               |
| 05/03/22    | MW-11           | 6.83         | 20.61       | 0.919                         | -72           | 2.10         | 3.4                               |
| 08/03/22    | MW-11           | 6.00         | 25.87       | 0.934                         | -131          | 0.78         | 37.6                              |
| 10/27/22    | MW-11           | 6.85         | 21.73       | 0.928                         | -159          | 0.00         | 213                               |

Analytical benzene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11. Analytical toluene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11. Analytical ethylbenzene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable”

in monitor well MW-11. Analytical xylene data for the previous five (5) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-11.

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-18** is sampled on a semi-annual schedule. Monitor well MW-18 was scheduled to be sampled during the reporting period. Due to the lack of sufficient water during any of the four (4) quarters of the reporting period, no samples were collected or analyzed. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3<sup>rd</sup> quarter of 1999. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-19** is sampled on an annual schedule. Monitor well MW-19 was scheduled to be sampled during the reporting period. Due to the lack of sufficient water during any of the four (4) quarters of the reporting period, no samples were collected or analyzed. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2002. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-21** is sampled on an annual schedule. Monitor well MW-21 was scheduled to be sampled during the reporting period. Due to the lack of sufficient water during any of the four (4) quarters of the reporting period, no samples were collected or analyzed. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2002. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-39** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2007. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

### **Area 3 Monitor Wells**

**Monitor well MW-17** 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 3<sup>rd</sup> quarter sampling event. Monitor well MW-17 was invertedly sampled in the 1<sup>st</sup> quarter of the reporting period. The toluene, ethylbenzene, and xylene were less than the applicable RL and the NMOCD guidelines. Benzene concentrations was 0.00191 mg/L during the 1<sup>st</sup> quarter, which is below to NMOCD regulatory guidelines. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2014. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-26** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00529 mg/L during the 3<sup>rd</sup> quarter to 0.00880 mg/L during the 4<sup>th</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guideline during all four (4) quarters of the reporting period. Toluene concentrations ranged 0.00812 mg/L during the 4<sup>th</sup> quarter to 0.0135 mg/L during the 1<sup>st</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged 0.00483 mg/L during the 4<sup>th</sup> quarter to 0.00796 mg/L during the 1<sup>st</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Xylene concentrations ranged from 0.00552 mg/L during the 4<sup>th</sup> quarter to 0.00799 mg/L during the 1<sup>st</sup> quarter the reporting period. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-28** is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2019. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-29** is sampled on a semi-annual schedule. The analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the 2<sup>nd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-30** is sampled on an annual schedule. Monitor well MW-30 was scheduled to be sampled during the reporting period. Due to the lack of sufficient water during any of the four (4) quarters of the reporting period, no samples were collected or analyzed. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2002. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-31** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1<sup>st</sup> quarter of 2002. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-32** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from less than the applicable laboratory RL during the March 9<sup>th</sup>, 1<sup>st</sup> quarter sampling event to 0.00320 mg/L during the February 10<sup>th</sup>, 1<sup>st</sup> quarter sampling event of the reporting period. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the March 9<sup>th</sup>, 1<sup>st</sup> quarter sampling event to 0.0362 mg/L during the 4<sup>th</sup> quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the March 9<sup>th</sup>, 1<sup>st</sup> quarter sampling event to 0.0202 mg/L during the 4<sup>th</sup> quarter of the reporting period. Ethylbenzene concentrations were below



the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the March 9<sup>th</sup>, 1<sup>st</sup> quarter sampling event to 0.03010 mg/L during the 4<sup>th</sup> quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

Monitor well MW-32 was selected as an MNA parameter well and is located in the “Down Gradient within the Plume”. Groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-32.

| Sample Date | Sample Location | pH (SU)<br>±10% | Temp C<br>±10% | Conductivity<br>(u-mhos/cm)<br>±10% | ORP (mV)<br>±10% | DO mg/L<br>±10% | Turbidity<br>(NTUs)<br>±10% or < 5<br>NTUs |
|-------------|-----------------|-----------------|----------------|-------------------------------------|------------------|-----------------|--------------------------------------------|
| 03/09/22    | MW-32           | 5.95            | 20.78          | 0.331                               | -18              | 1.98            | Over Range                                 |
| 05/03/22    | MW-32           | 6.34            | 22.40          | 0.742                               | 116              | 1.12            | 53.1                                       |
| 08/03/22    | MW-32           | 5.89            | 24.03          | 0.731                               | 85               | 1.75            | 56.5                                       |
| 10/27/22    | MW-32           | 6.84            | 22.27          | 0.743                               | -17              | 0.00            | 224                                        |

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-32. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-32. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-32. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-32.

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-33** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2004. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-34** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2009. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-35** is sampled on a semi-annual schedule, however, MW-35 was selected as a MNA parameter well and was sampled quarterly during the reporting period. Analytical results indicated benzene, and xylene concentrations were less than the RL and NMOCD regulatory guidelines during all four (4) quarters. Toluene concentrations ranged from less than the applicable laboratory RL during the 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarter to 0.00103 mg/L during the 1<sup>st</sup> 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 in the 1<sup>st</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarter of the reporting period to 0.00237 mg/L during the 2<sup>nd</sup> quarter of the reporting period. Ethylbenzene was below the NMOCD regulatory guideline during all four (4) quarters of the reporting period. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

Monitor well MW-35 was selected as an MNA parameter well and is located in the “Down Gradient of Plume”. Groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-35.

| Sample Date | Sample Location | pH (SU)<br>±10% | Temp C<br>±10% | Conductivity<br>(u-mhos/cm)<br>±10% | ORP (mV)<br>±10% | DO mg/L<br>±10% | Turbidity<br>(NTUs)<br>±10% or < 5<br>NTUs |
|-------------|-----------------|-----------------|----------------|-------------------------------------|------------------|-----------------|--------------------------------------------|
| 03/09/22    | MW-35           | 5.67            | 20.12          | 0.475                               | -89              | 1.28            | Over Range                                 |
| 05/03/22    | MW-35           | 6.25            | 20.85          | 0.923                               | -23              | 1.89            | 138                                        |
| 08/03/22    | MW-35           | 6.14            | 21.41          | 0.944                               | -62              | 2.07            | 4.7                                        |
| 10/27/22    | MW-35           | 6.71            | 20.82          | 0.928                               | -93              | 0.95            | 14.5                                       |

Analytical benzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-35. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-35. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-35. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-35.

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-36** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2010. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-37** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3<sup>rd</sup> quarter of 2006. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-38** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3<sup>rd</sup> quarter of 2006. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-40** 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 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 2010. PAH analysis was not required during the 4<sup>th</sup> quarter sampling event.

Laboratory analytical results were compared to 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, manganese<sup>2+</sup>, iron<sup>3+</sup>, sulfate, and carbon dioxide must be present. These reactions, termed oxidation-reduction, or “REDOX” reactions, provide bacteria and archaea varying amounts of energy.

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

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

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

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

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

To determine the morphology of each biodegradation region, six (6) monitor wells were sampled. These wells generally included one (1) well upgradient of the plume (MW-9), one (1) well upgradient within the plume (MW-14), one (1) well near the center of the plume (MW-4), one (1) well downgradient within the plume (MW-32), one (1) well downgradient of the plume (MW-35), and one (1) well cross-gradient of the plume center (MW-11).

The six (6) monitor wells (MW-4, MW-9, MW-11, MW-14, MW-32, and MW-35) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

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

For the 1<sup>st</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-14, MW-32, and MW-35 to 9.18 mg/L for monitor well MW-11.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 9.61 mg/L for monitor well MW-11.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-35 to 7.85 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 7.82 mg/L for monitor well MW-11.

Please reference Table 7 for GSI-MKT benzene results. Analytical benzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Increasing”, “Decreasing”, “Stable”, “Decreasing”, “Decreasing”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-32 to 0.111 mg/L for monitor well MW-4.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 0.00515 mg/L for monitor well MW-4.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, and MW-35 to 0.00595 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, and MW-35 to 0.0104 mg/L for monitor well MW-11.

Please reference Table 8 for GSI-MKT toluene results. Analytical toluene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Increasing”, “Decreasing”, “No Trend”, “Decreasing”, “No Trend”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-32 and MW-35 to 2.63 mg/L for monitor well MW-4.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor well MW-14 to 2.53 mg/L for monitor well MW-11.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 2.40 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 1.25 mg/L for monitor well MW-11.

Please reference Table 9 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Increasing”, “Decreasing”, “Stable”, “Decreasing”, “Decreasing”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-14, MW-32, and MW-35 to 2.872 mg/L for monitor well MW-4.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-14 and MW-35 to 2.187 mg/L for monitor well MW-4.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor well MW-35 to 1.470 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14 and MW-35 to 0.994 mg/L for monitor well MW-4.



Please reference Table 10 for GSI-MKT xylene results. Analytical xylene data for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Increasing”, “Decreasing”, “Stable”, “Decreasing”, “Decreasing”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-32, MW-35, and MW-11 to 51.9 mg/L for monitor well MW-9. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of TOC ranged from 1.72 mg/L for monitor well MW-4, to 58.9 mg/L for monitor well MW-9.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of TOC ranged from 1.58 mg/L for monitor well MW-4, to 55.5 mg/L for monitor well MW-9.

For the 4<sup>th</sup> quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor wells MW-4 and MW-32 to 562 mg/L for monitor well MW-14. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Increasing”, “No Trend”, “Stable”, “No Trend”, “Stable”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00382 mg/L for monitor well MW-32 to 7.98 mg/L for monitor well MW-11.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00136 mg/L for monitor well MW-32 to 3.52 mg/L for monitor well MW-11.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00191 mg/L for monitor well MW-32 to 2.95 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00140 mg/L for monitor well MW-32 to 3.31 mg/L for monitor well MW-11.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Stable”, “Stable”, “Increasing”, “Stable”, “Stable”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-32, and MW-35 to 0.0302 mg/L for monitor well MW-11.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-32, and MW-35 to 0.0117 mg/L for monitor well MW-11.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-4, MW-32, and MW-35 to 0.0103 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11.

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “No Trend”, “No Trend”, “No Trend”, “Stable”, “Stable”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-4 and MW-11 to 0.00617 mg/L for monitor well MW-9.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-9, MW-4, MW-32, MW-35, and MW-11 to 0.00287 mg/L for monitor well MW-14.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-11 to 0.00584 mg/L for monitor well MW-9.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Ethene were less than the applicable laboratory RL for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35 and MW-11

Please reference Table 14 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “No Trend”, “No Trend”, “Probably Increasing”, “Stable”, “Stable”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged 0.0752 for monitor well MW-32 to 12.0 mg/L for monitor well MW-9.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged 0.0860 for monitor well MW-32 to 14.4 mg/L for monitor well MW-9.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor well MW-32 to 13.2 mg/L for monitor well MW-9.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor well MW-32 to 15.6 mg/L for monitor well MW-9.

Please reference Table 15 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “No Trend”, “No Trend”, “Stable”, “Probably Increasing”, “Decreasing”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0416 mg/L for monitor well MW-32 to 0.618 mg/L for monitor well MW-9.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0364 mg/L for monitor well MW-32 to 0.689 mg/L for monitor well MW-9.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0245 mg/L for monitor well MW-32 to 0.683 mg/L for monitor well MW-9.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0448 mg/L for monitor well MW-32 to 0.665 mg/L for monitor well MW-9.

Please reference Table 16 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Stable”, “Stable”, “Stable”, “Stable”, “Stable”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, MW-35, and MW-11 to 1.35 mg/L for monitor well MW-4.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, MW-35, and MW-11 to 1.31 mg/L for monitor well MW-4.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, and MW-11 to 1.17 mg/L for monitor well MW-4.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Nitrate ranged from less than the applicable laboratory RL for monitor wells MW-9, MW-14, MW-35, and MW-11 to 0.383 mg/L for monitor well MW-4.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Stable”, “Stable”, “Stable”, “No Trend”, “No Trend”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Sulfate ranged from 3.68 mg/L monitor well MW-14 to 40.6 mg/L for monitor well MW-32.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Sulfate ranged from 4.65 mg/L monitor well MW-11 to 38.8 mg/L for monitor well MW-32.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Sulfate ranged from 3.06 mg/L monitor well MW-9 to 207 mg/L for monitor well MW-35.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Sulfate ranged from 4.73 mg/L monitor well MW-11 to 73.2 mg/L for monitor well MW-14.

Please reference Table 18 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “No Trend”, “Increasing”, “No Trend”, “No Trend”, “No Trend”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-32 to 161 mg/L for monitor well MW-9.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-4 and MW-32 to 164 mg/L for monitor well MW-9.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-4, MW-32, and MW-35 to 128 mg/L for monitor well MW-14.

For the 4<sup>th</sup> quarter the analytical results for concentrations of COD ranged from 3.00 mg/L for monitor well MW-9 to 160 mg/L for monitor well MW-14.

Please reference Table 19 for GSI-MKT COD results. Analytical COD data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11. The GSI-MKT indicated the Concentration Trends

for MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 were as follows “Stable”, “No Trend”, “No Trend”, “Increasing”, “No Trend”, and “No Trend”

## SUMMARY

This report presents the results of monitoring and sampling activities during the annual reporting period of 2022. There are currently thirty-five (35) monitor wells (MW-1 through MW-4, MW-6, MW-7, MW-9 through MW-19, MW-21, MW-23 through MW-26, MW-28 through MW-40), in three (3) separate plumes on site. The most recent Inferred Groundwater Gradient Map, Figure 3D, indicated a gradient of 0.0031 feet/foot to the southeast.

Based on gauging data collected during the reporting period, a measurable thickness of PSH was detected in monitor wells MW-2, MW-4, MW-7, and MW-11 during the four (4) quarterly sampling events. PSH was detected in monitor well MW-1 during the 1<sup>st</sup> and 3<sup>rd</sup> quarters of 2022. The maximum thickness of PSH in the monitor wells was 4.72 feet as recorded in monitor well MW-4 on July 27, 2022. The average thickness of PSH in monitor wells exhibiting PSH was 2.29 feet. PSH data for the 2022 gauging events can be found in Table 1. PSH recovery is performed on a bi-monthly schedule by manual recovery methods. Approximately 136.96 gallons (3.26 barrels) of PSH was recovered manually from the Site during this reporting period.

Review of laboratory analytical results from samples collected from monitor wells within Area 1 indicated BTEX constituent concentrations were above the NMOCD regulatory guidelines in one (1) of the ten (10) monitor wells within Area 1, during at least one (1) quarter of the reporting period. Please note, monitor well MW-16 was not sampled during the 2022 reporting period due to insufficient groundwater in the monitor well. PAH analysis was not required on groundwater samples collected from Area 1 monitor wells.

Review of laboratory analytical results from samples collected from monitor wells within Area 2 indicated BTEX constituent concentrations were above the NMOCD regulatory guidelines in three (3) of the eleven (11) monitor wells within Area 2 during at least one (1) quarter of the reporting period. Please note, monitor wells MW-18, MW-19 and MW-21 lacked a sufficient water column for sampling during the 2022 reporting period. PSH was observed in five (5) monitor wells (MW-1, MW-2, MW-4, MW-7, and MW-11) within Area 2. PAH analysis was conducted on groundwater samples collected from monitor wells MW-1, MW-4 and MW-11, PAH analysis was not conducted on groundwater samples collected from monitor wells MW-2 and MW-7, due to the presence of PSH in the monitor wells.

Review of laboratory analytical results from samples collected from monitor wells within Area 3 indicated BTEX constituent concentrations were below the NMOCD regulatory guidelines in all fourteen (14) monitor wells within Area 3, during the 2022 reporting period. Please note, monitor well MW-30 was not sampled during the 2022 reporting period, due to insufficient groundwater in the monitor well and PAH analysis was not required on groundwater samples collected from Area 3 monitor wells.

## **ANTICIPATED ACTIONS**

Groundwater monitoring and bi-monthly PSH recovery will continue in 2023. Bi-monthly aggressive pumping of monitor wells MW-9, MW-14, MW-26, and MW-32 will continue and may be adjusted if warranted.

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

Future PAH analysis will be conducted in monitor wells MW-1, MW-2, MW-4, MW-7, and MW-11, when measurable PSH is not observed.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-9, MW-14, MW-4, MW-32, MW-35, and MW-11 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

## **LIMITATIONS**

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

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

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



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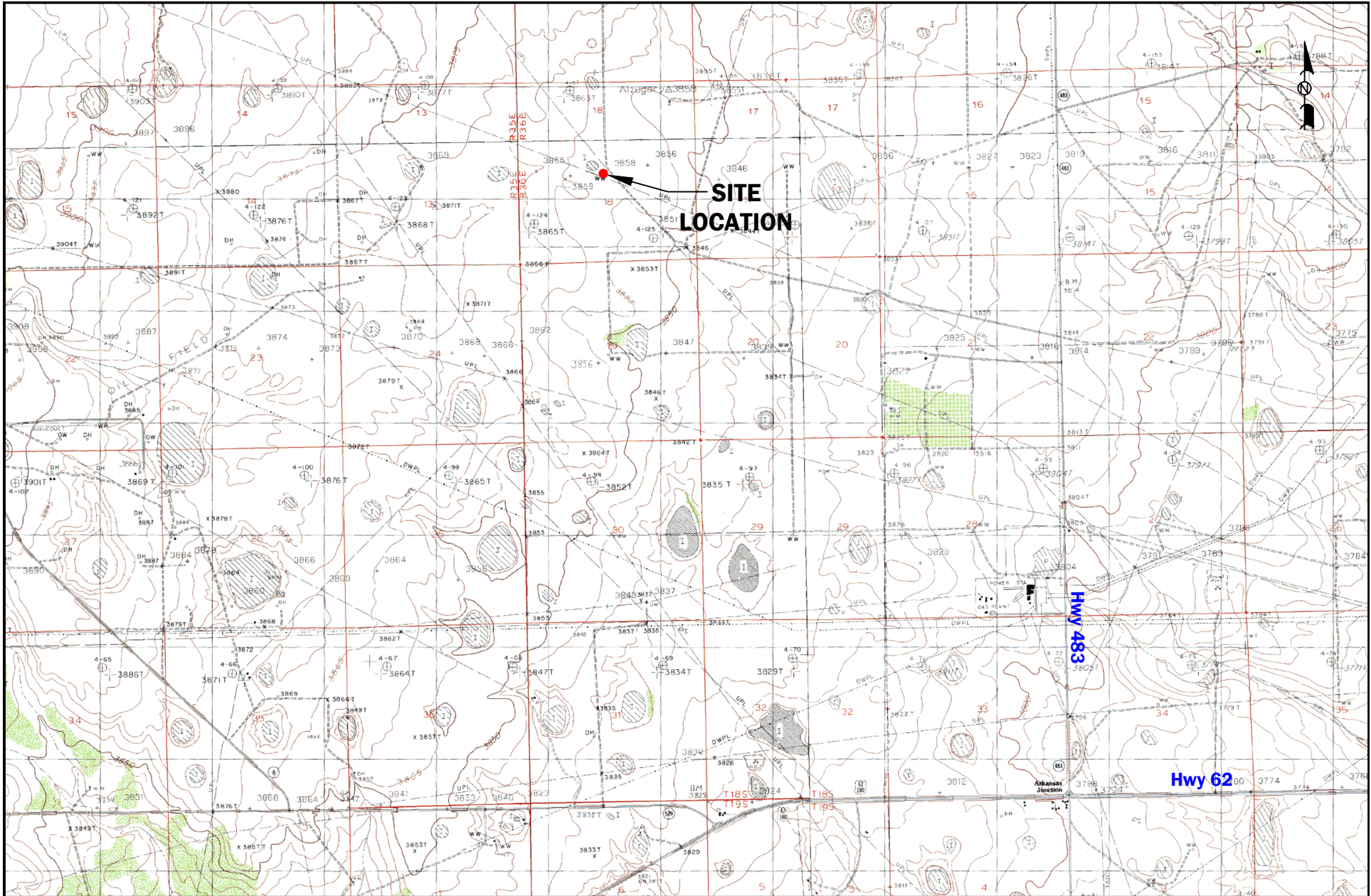
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## **FIGURES**



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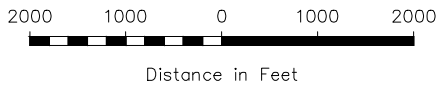


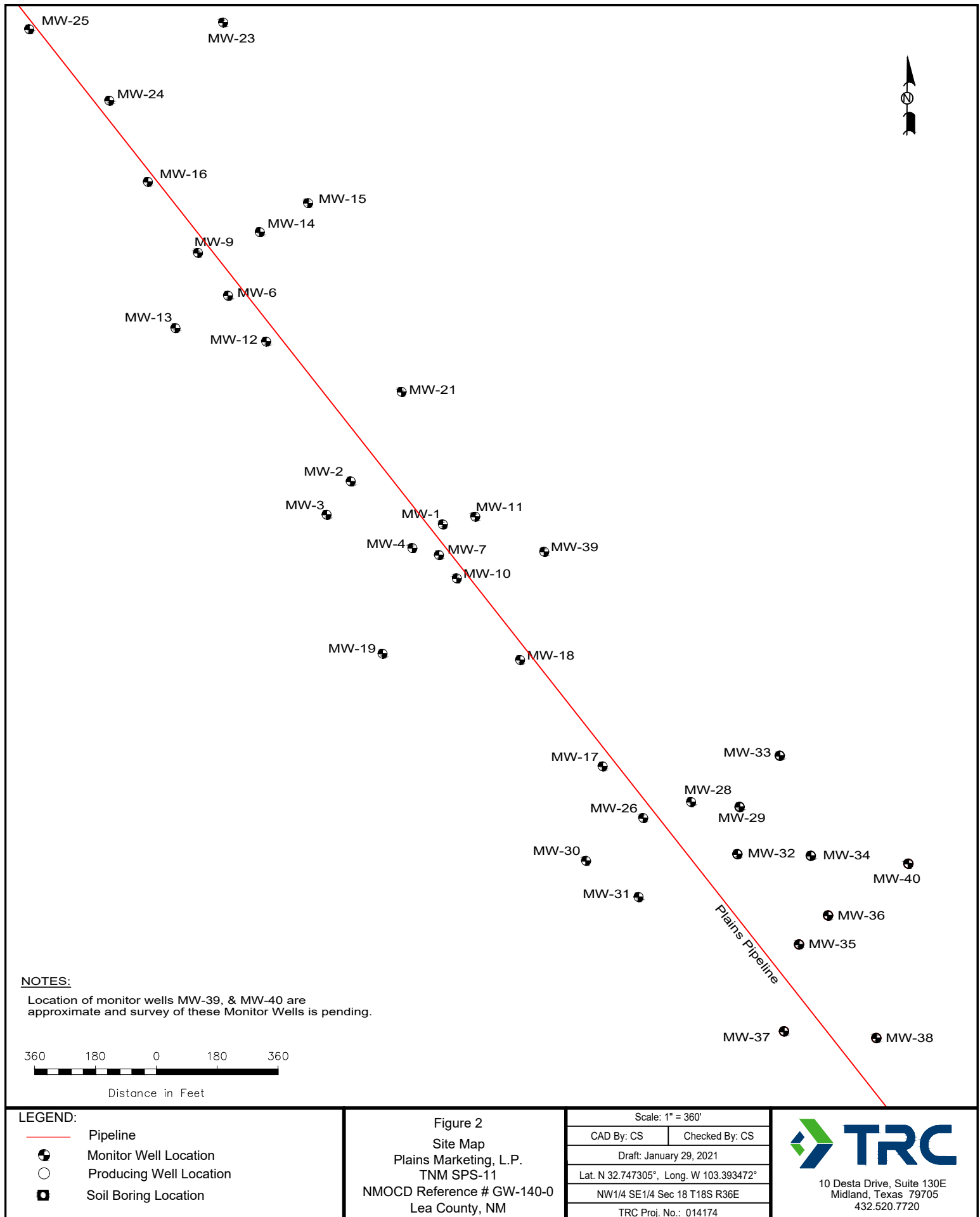
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NMOCD Reference # GW-0140-0  
Lea County, NM

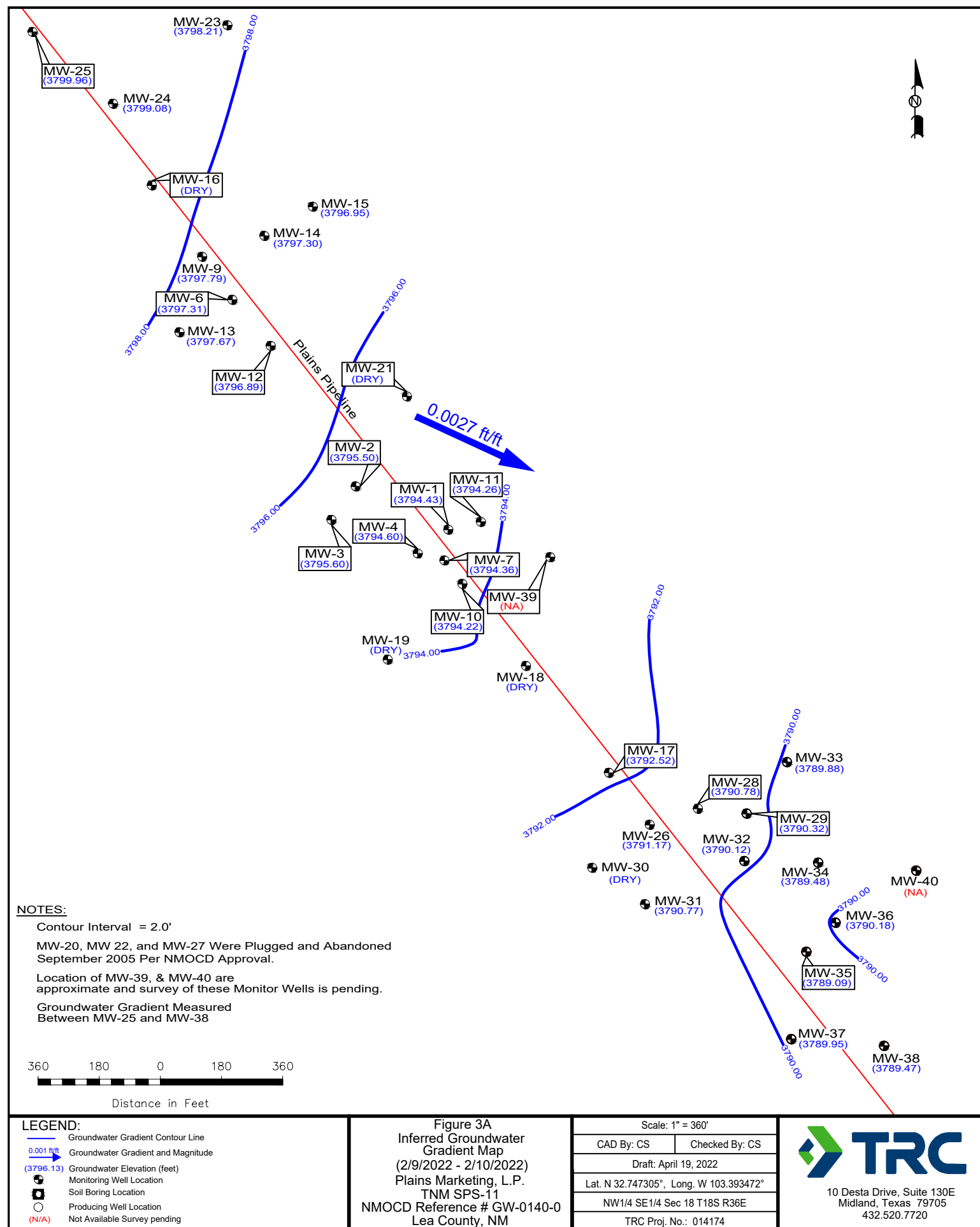
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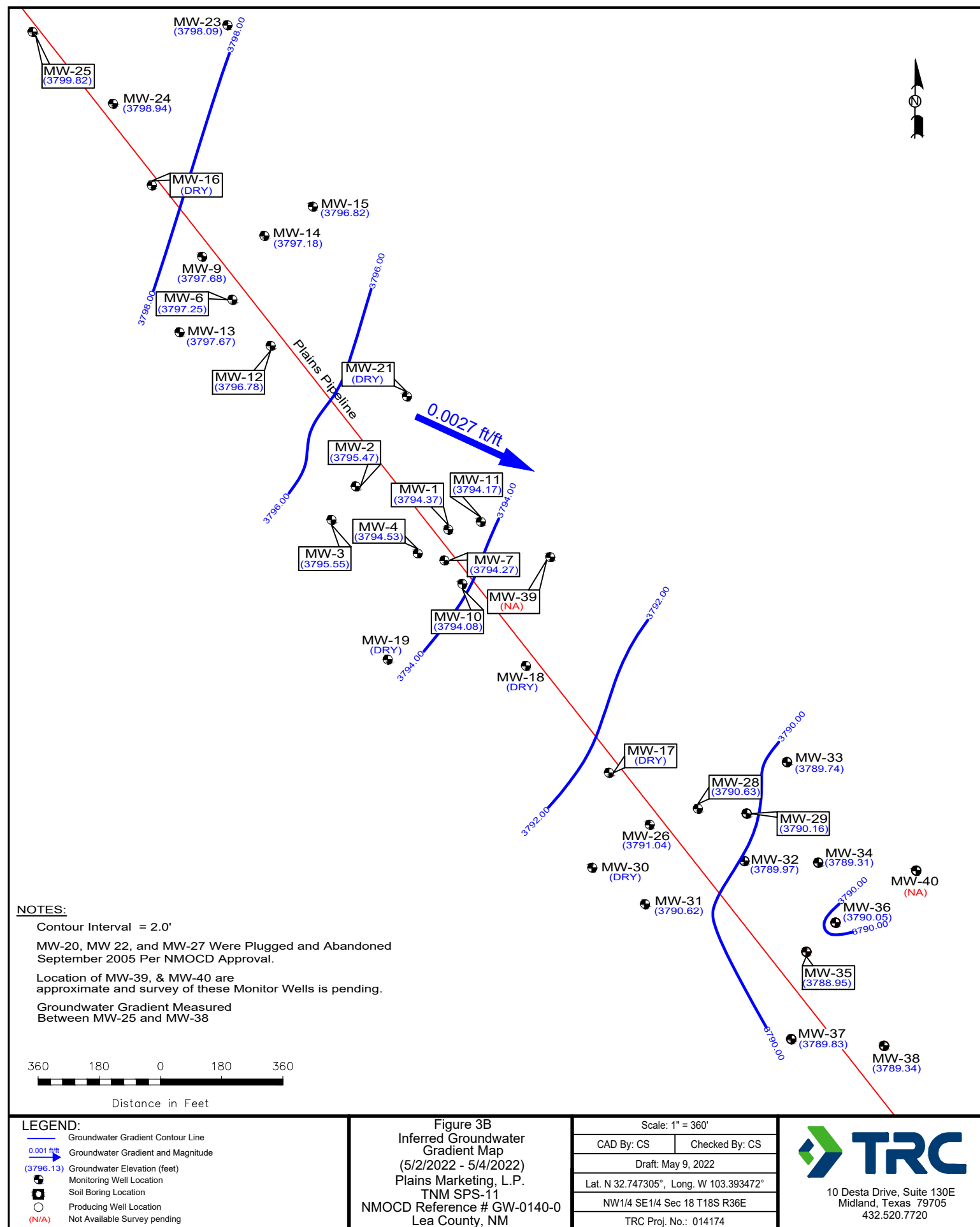
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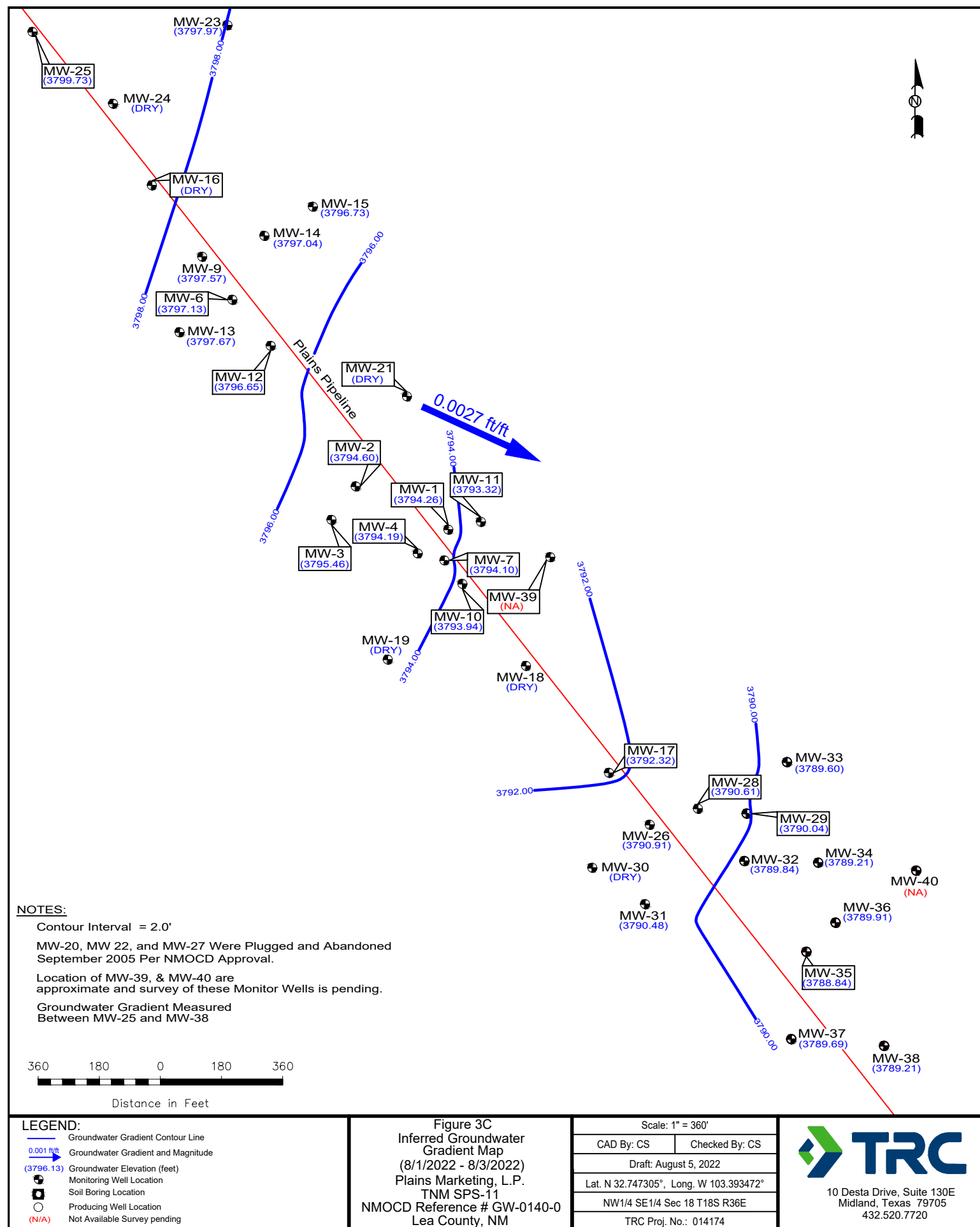
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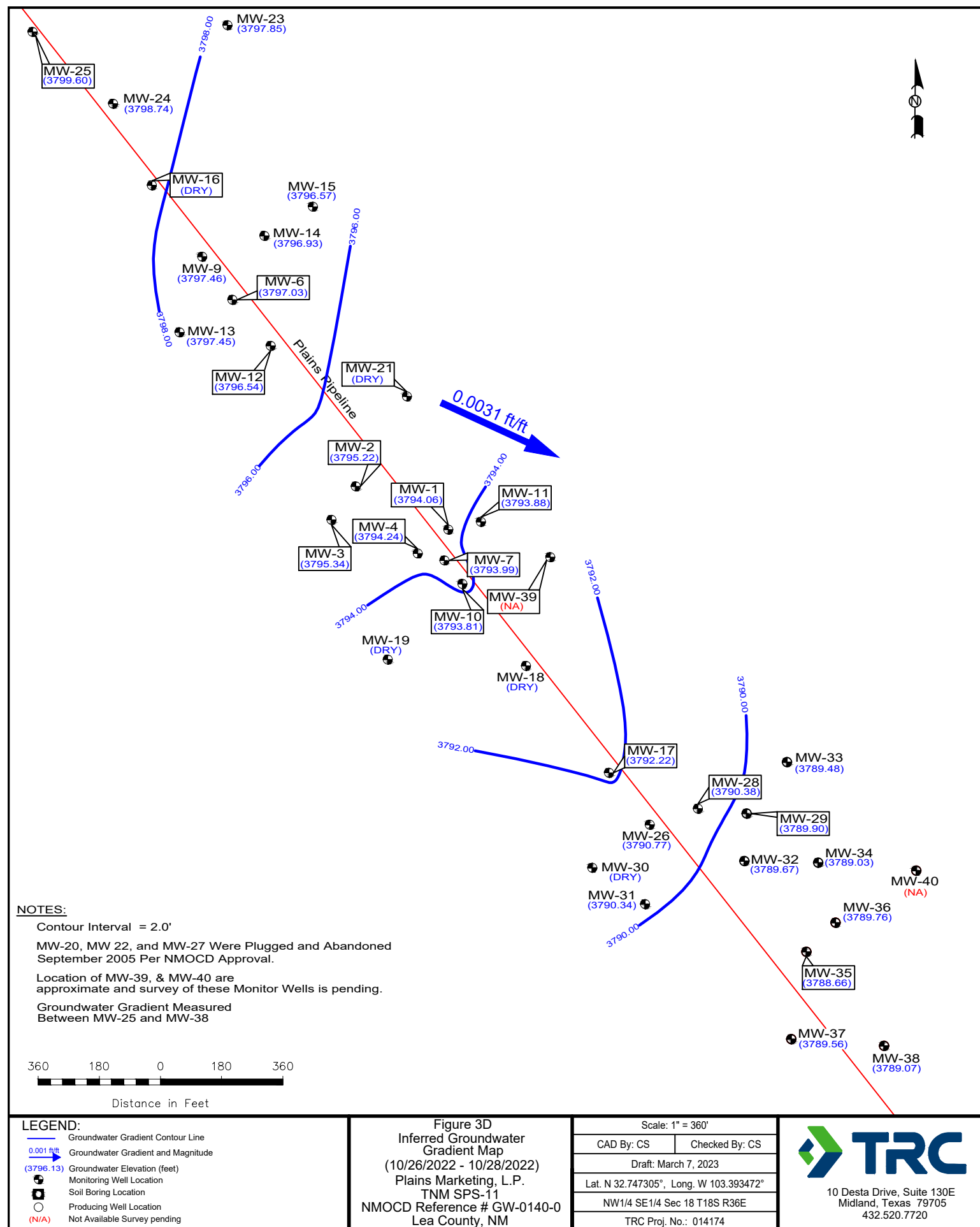


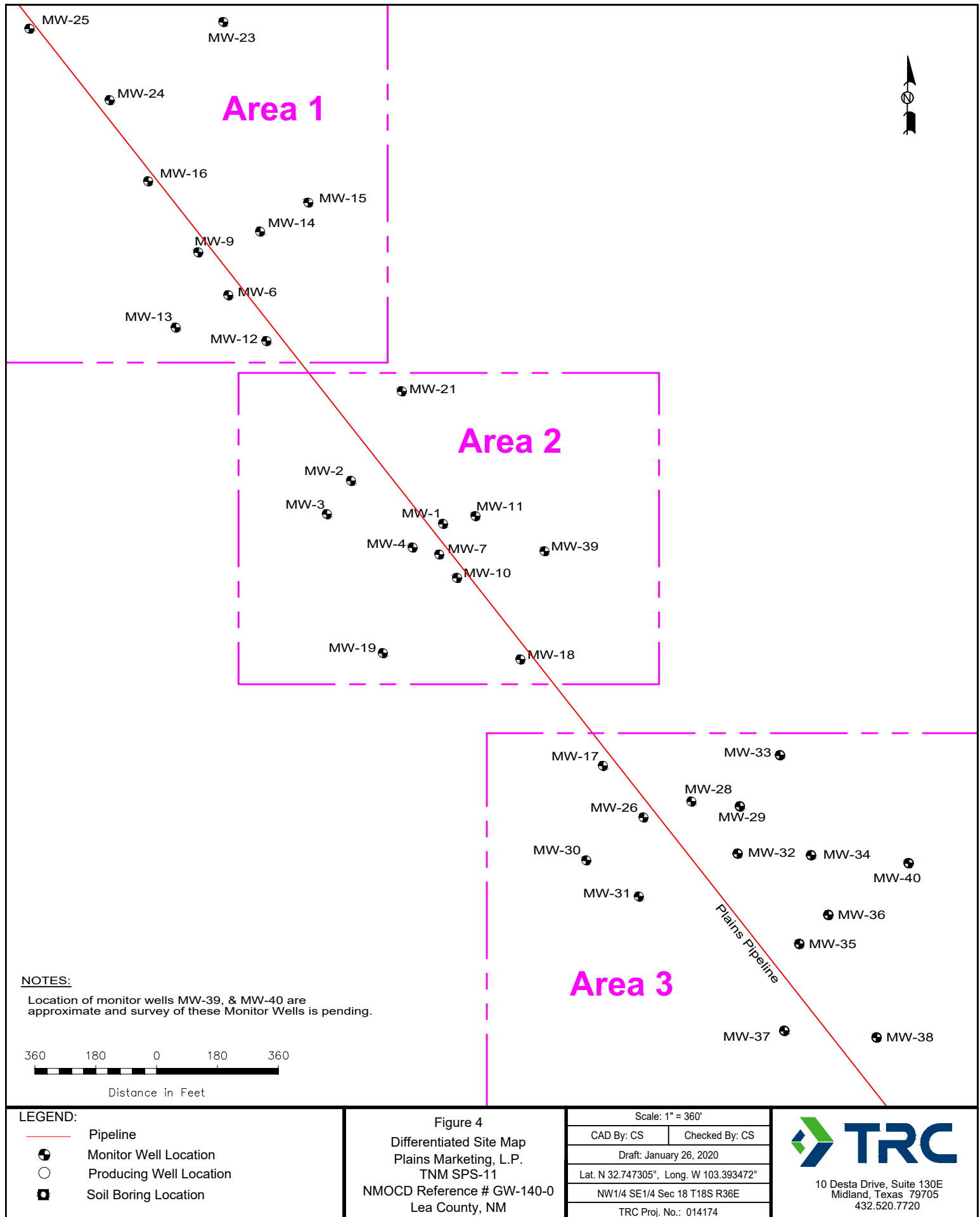


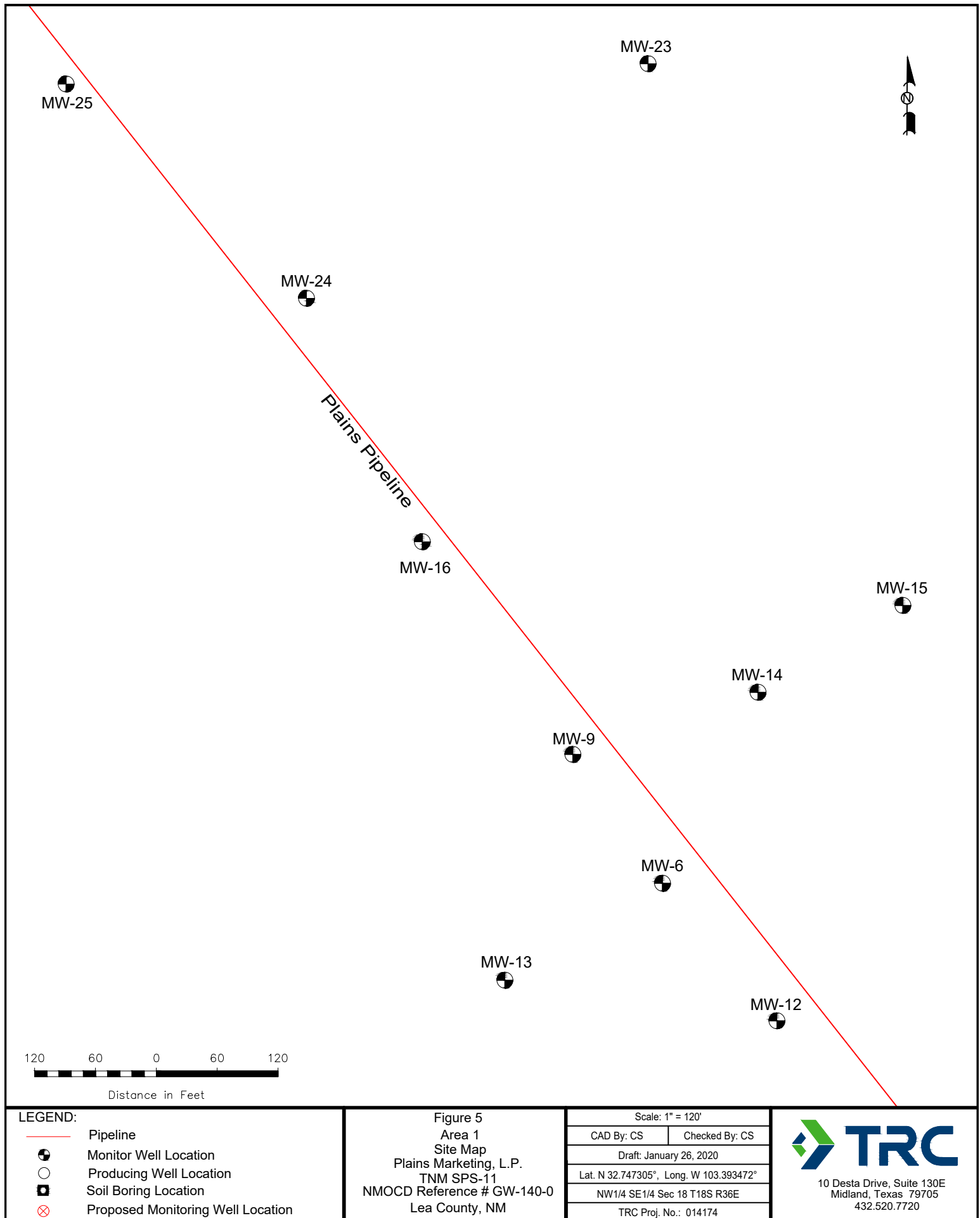


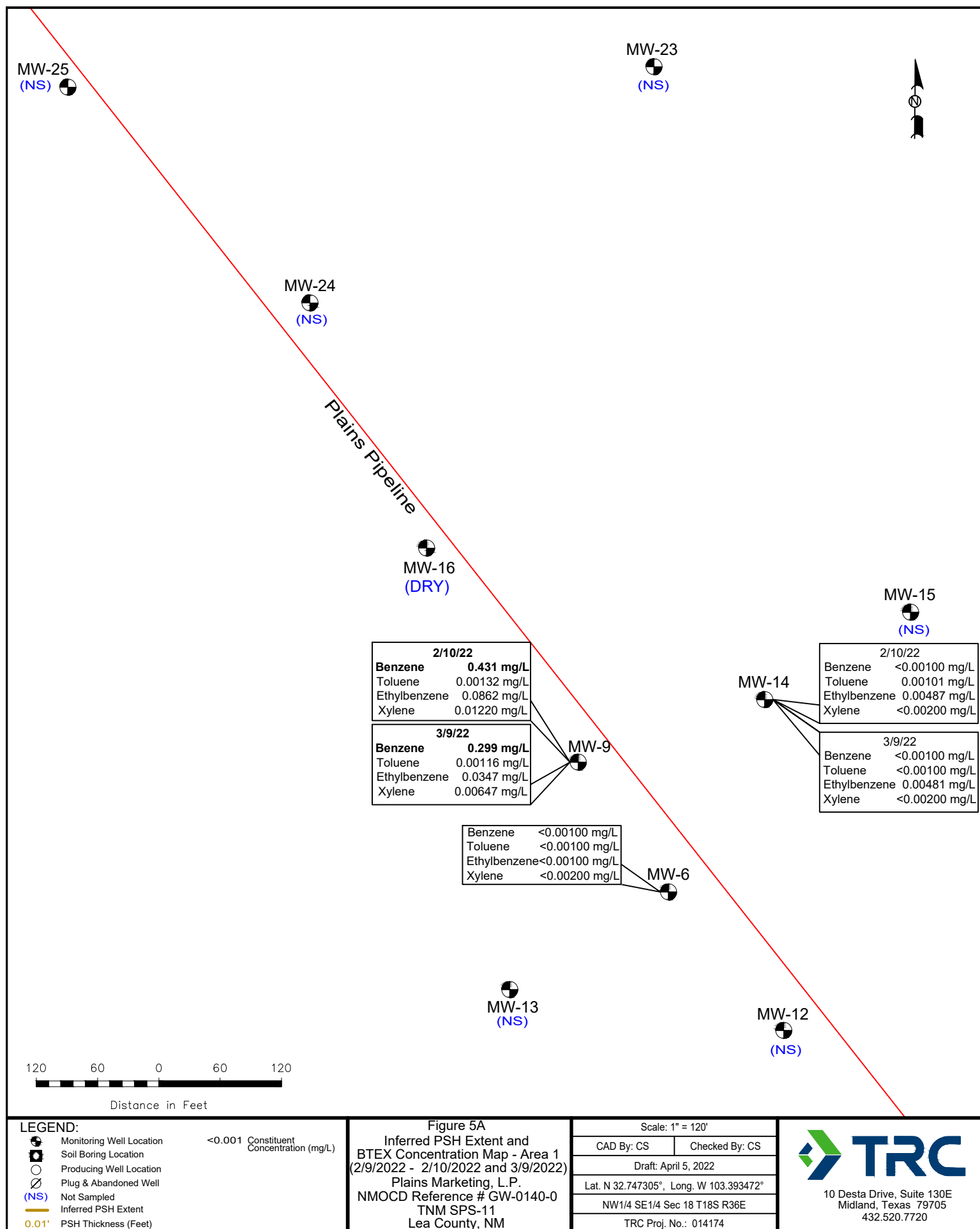


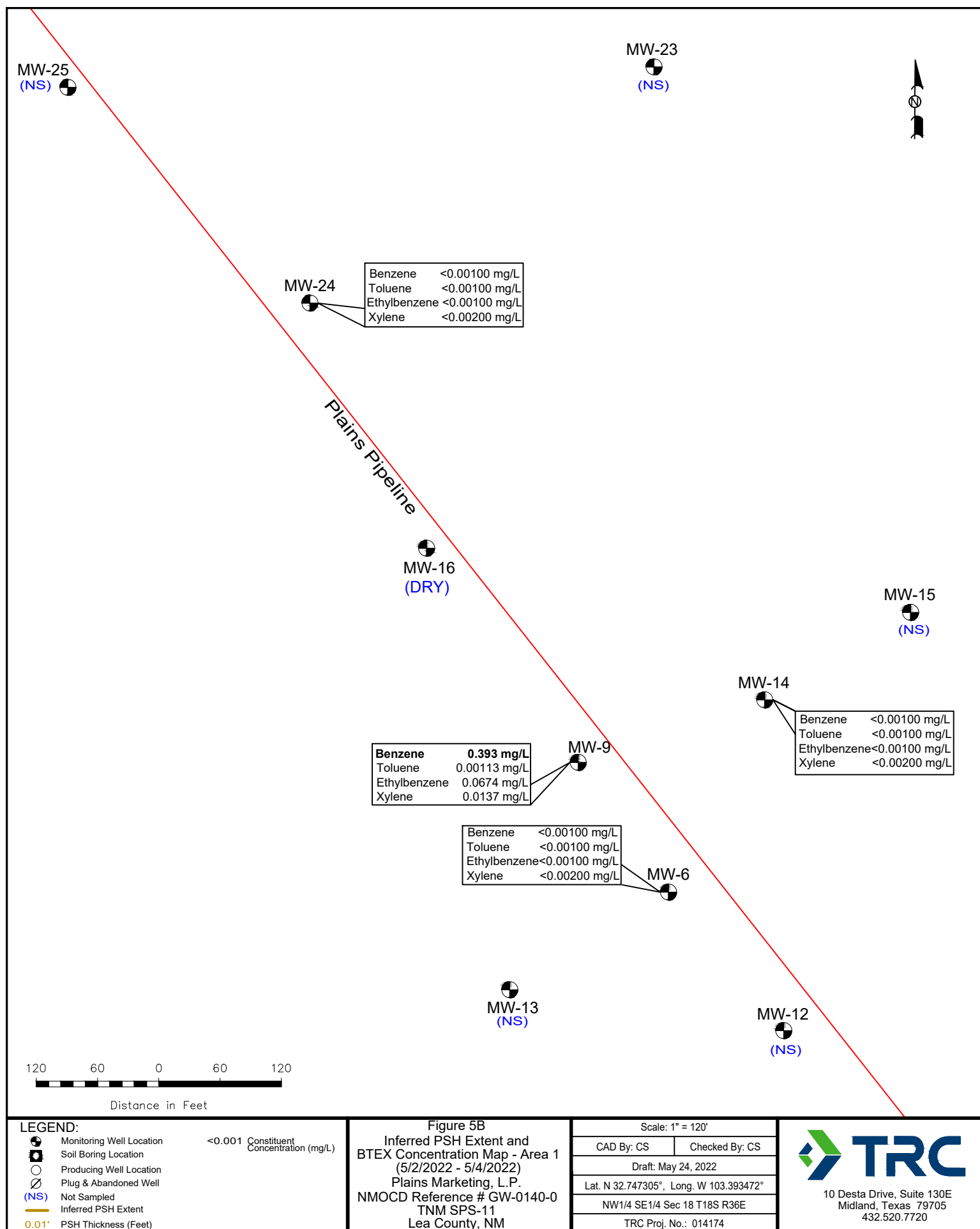




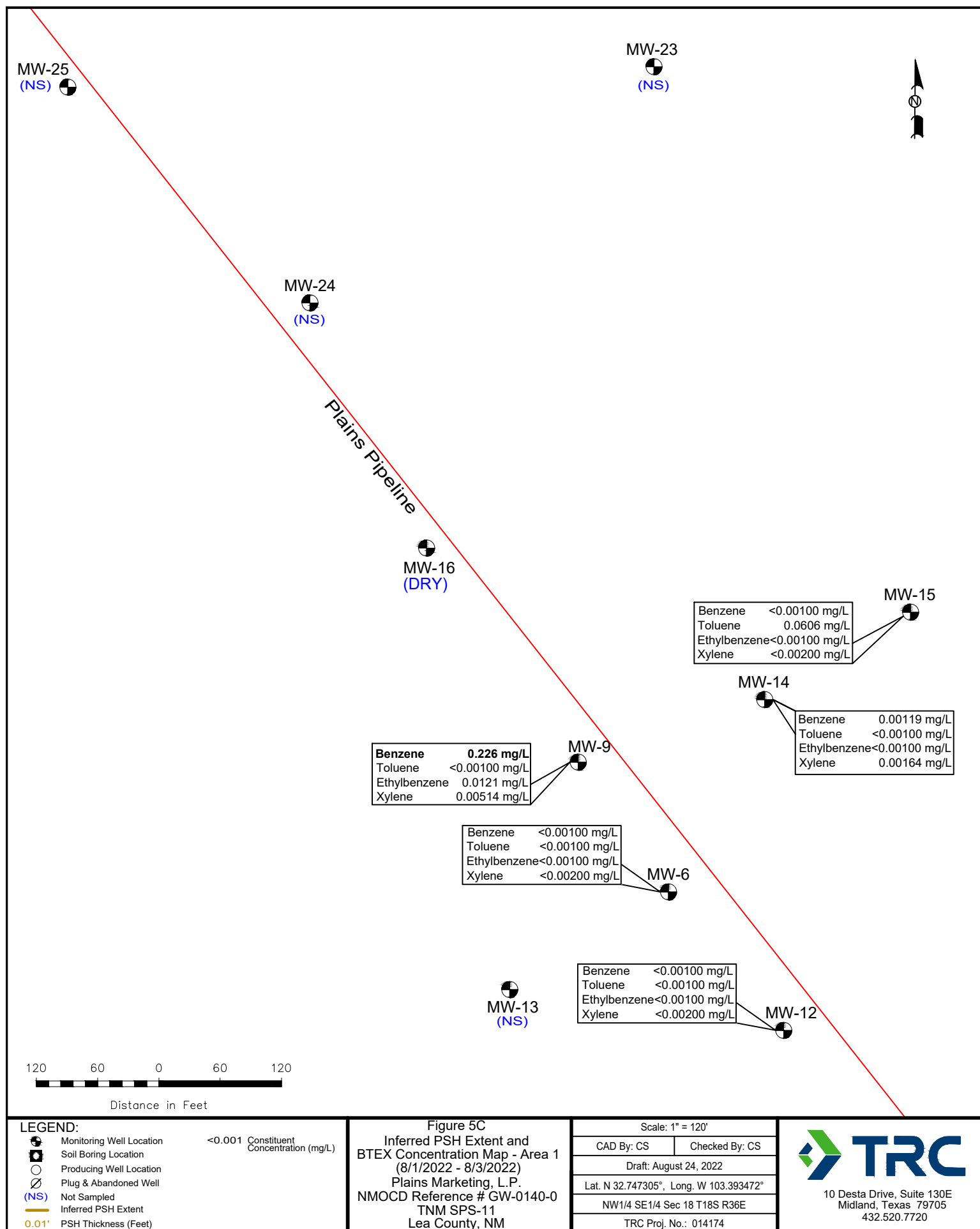


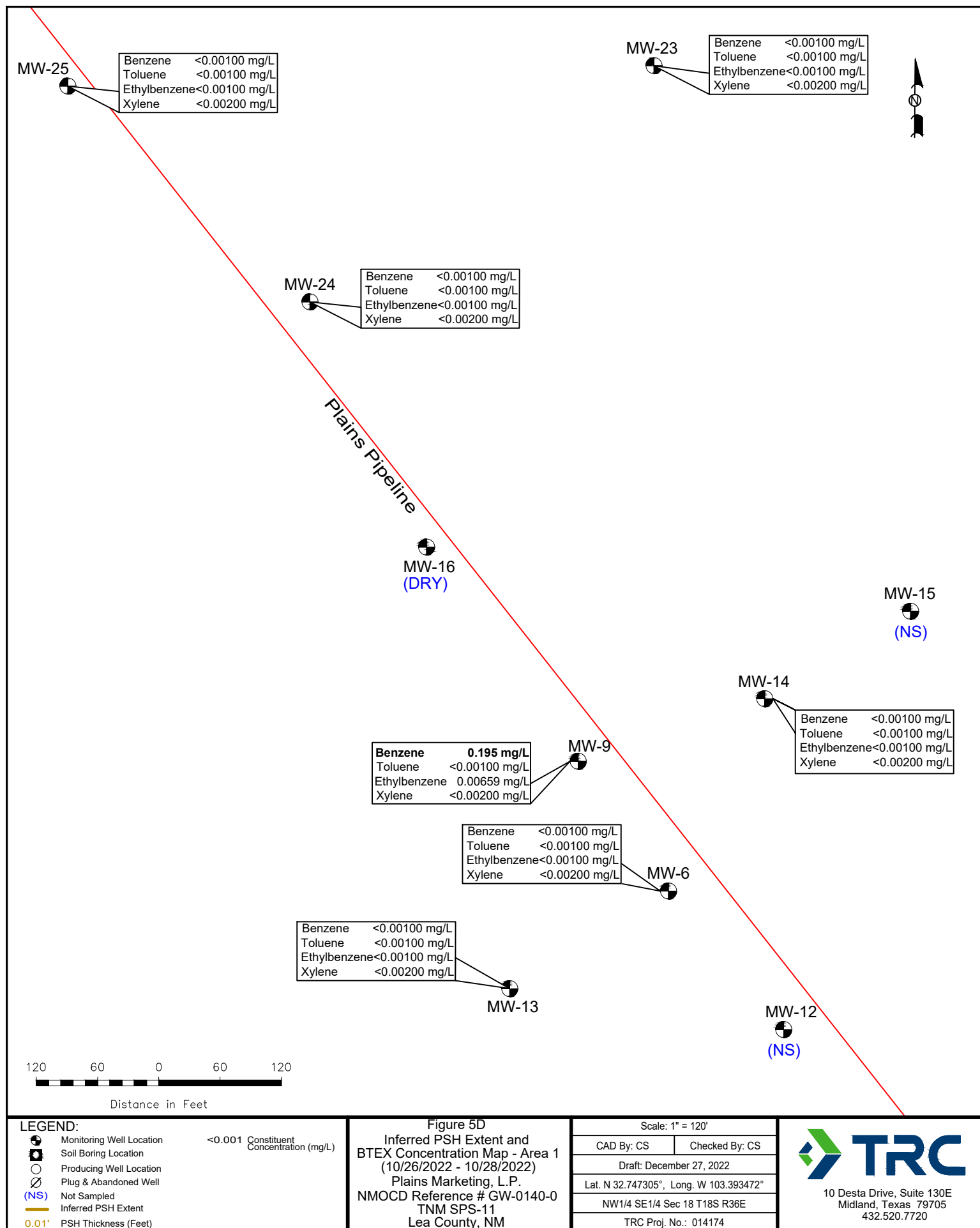


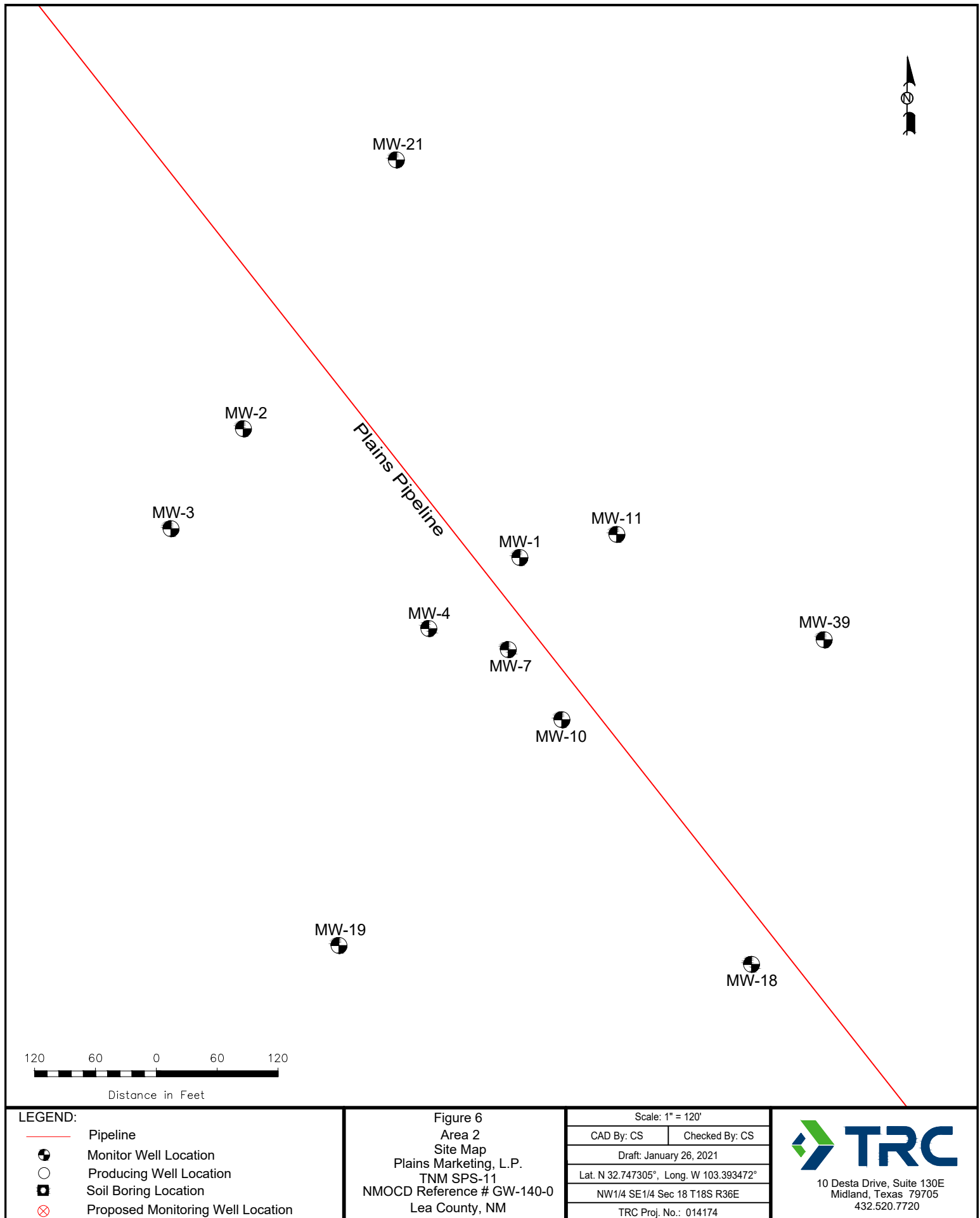


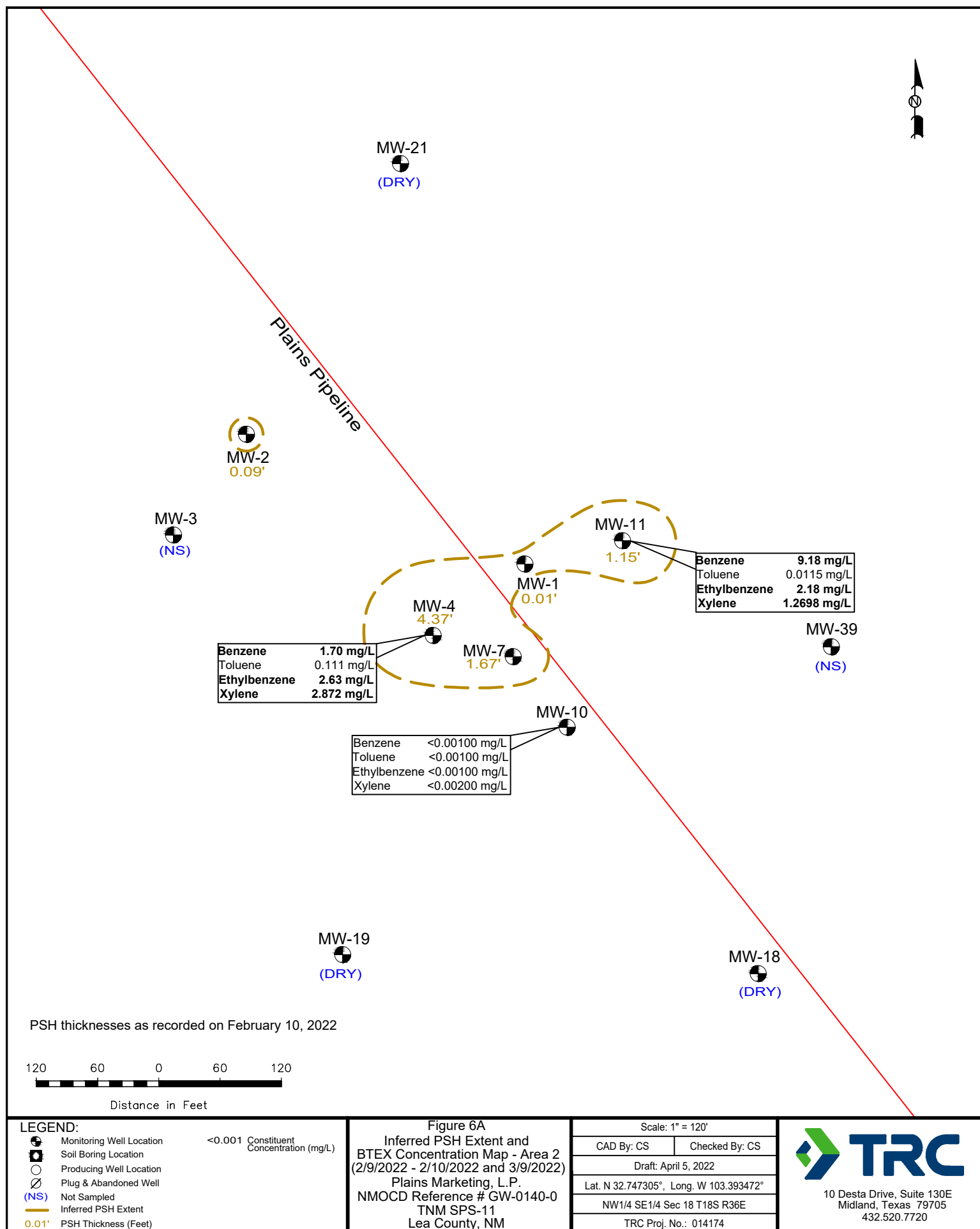


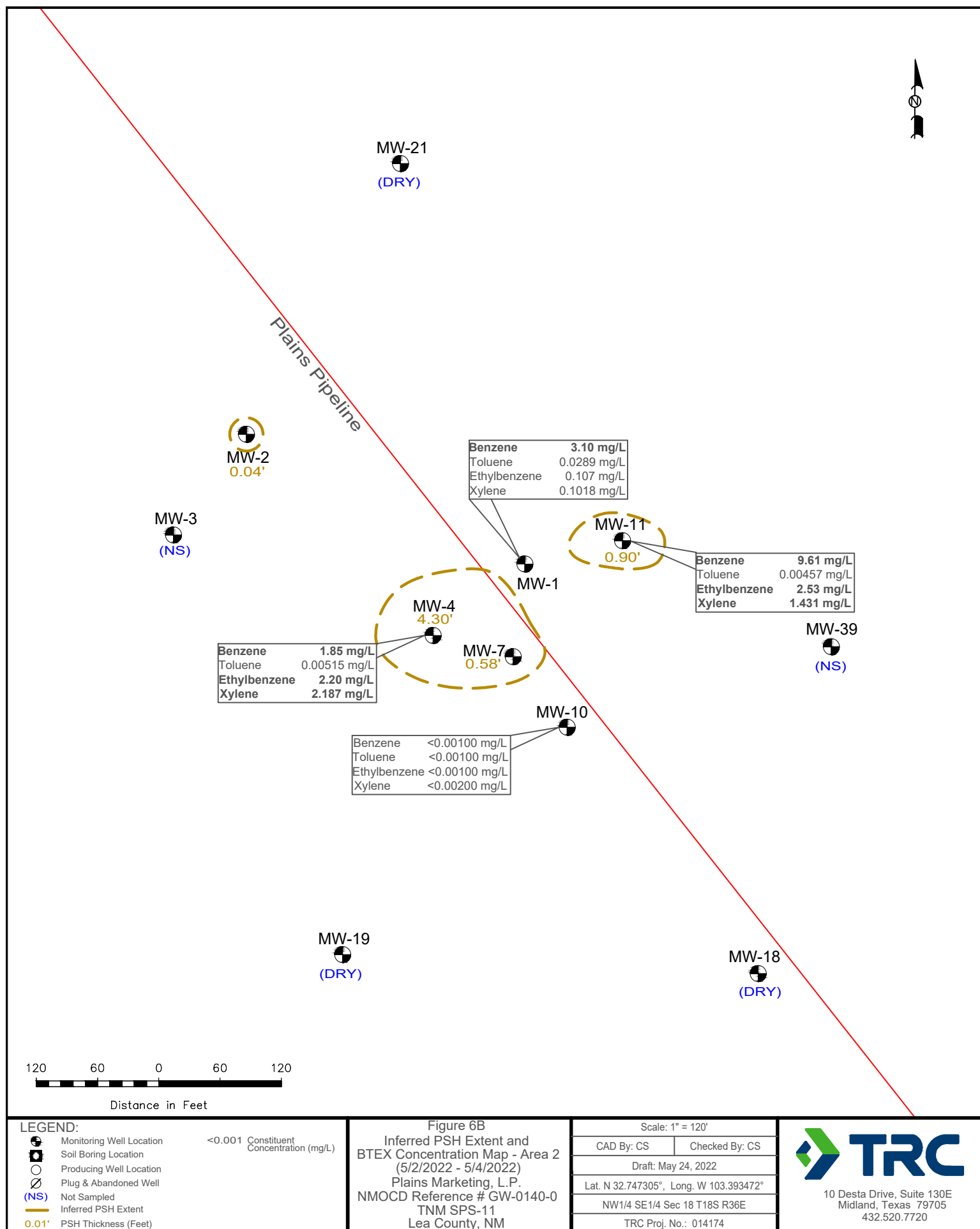


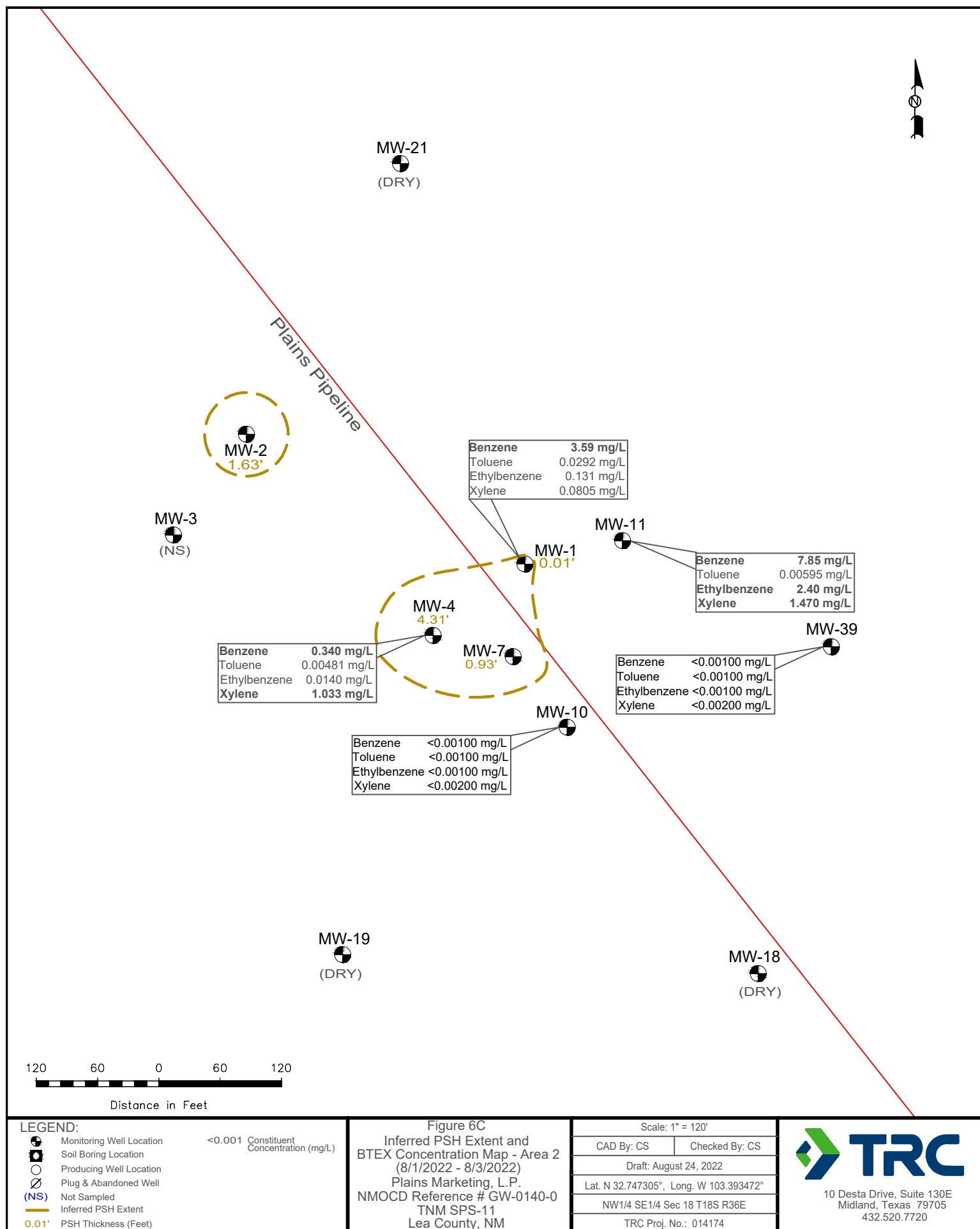




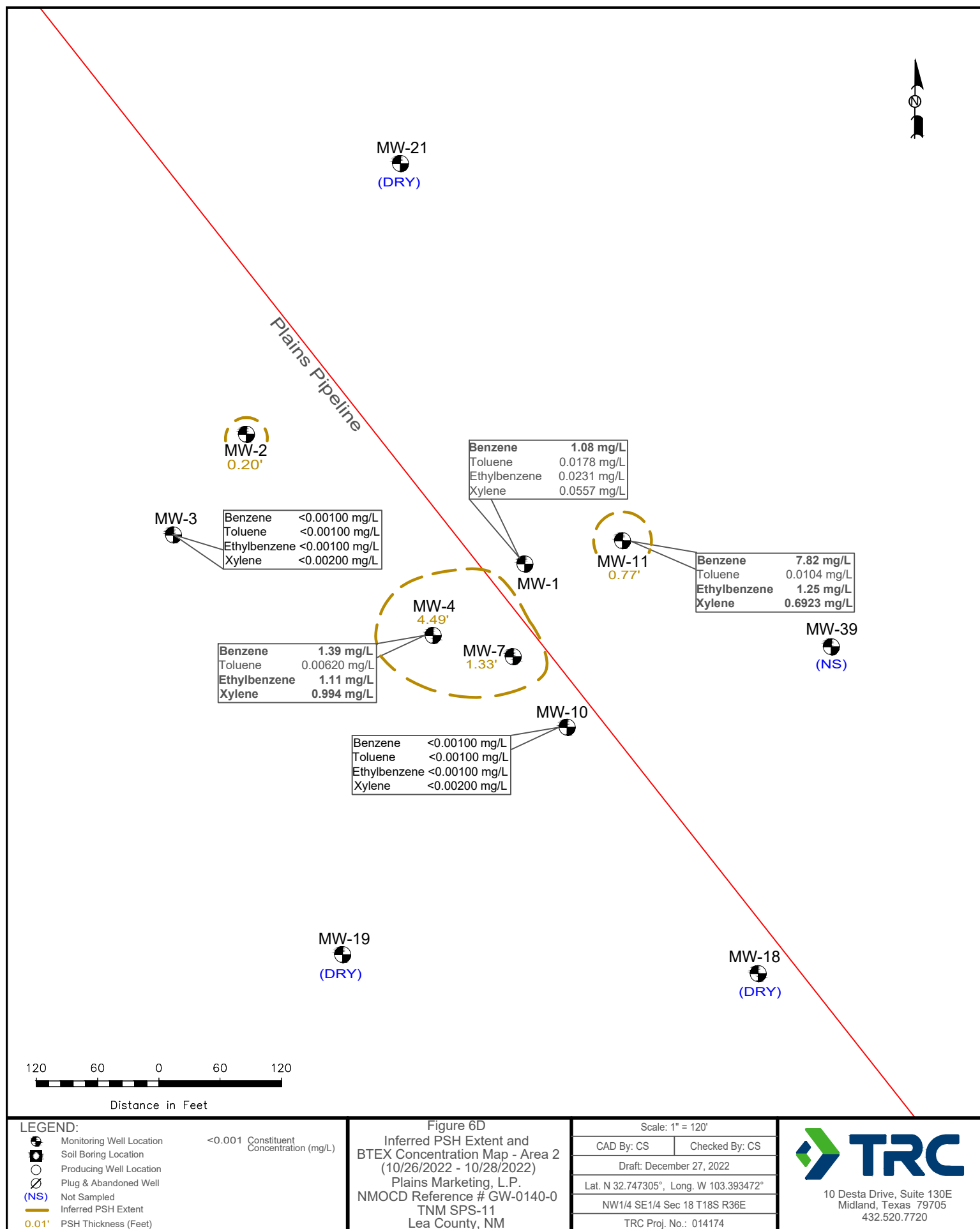


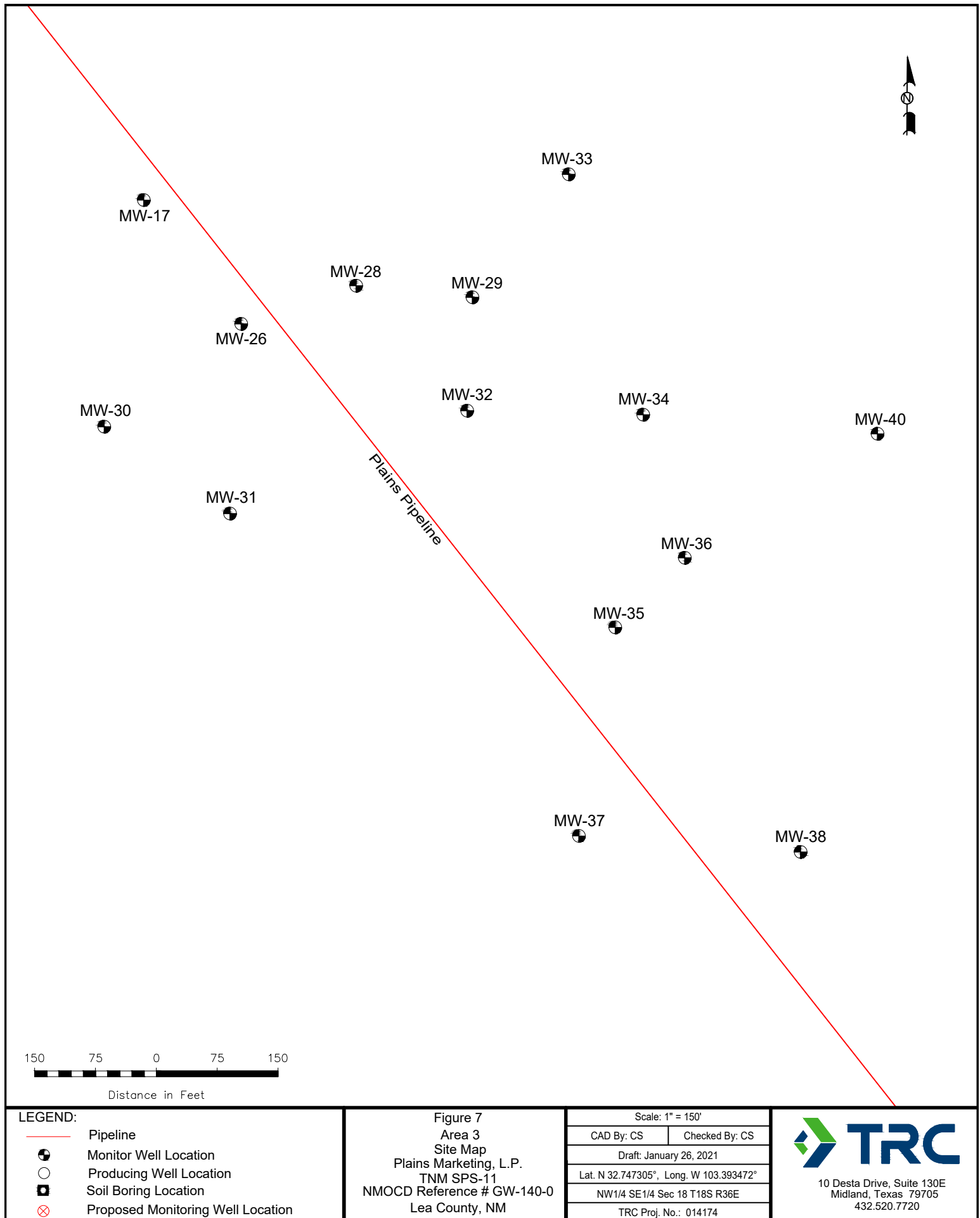


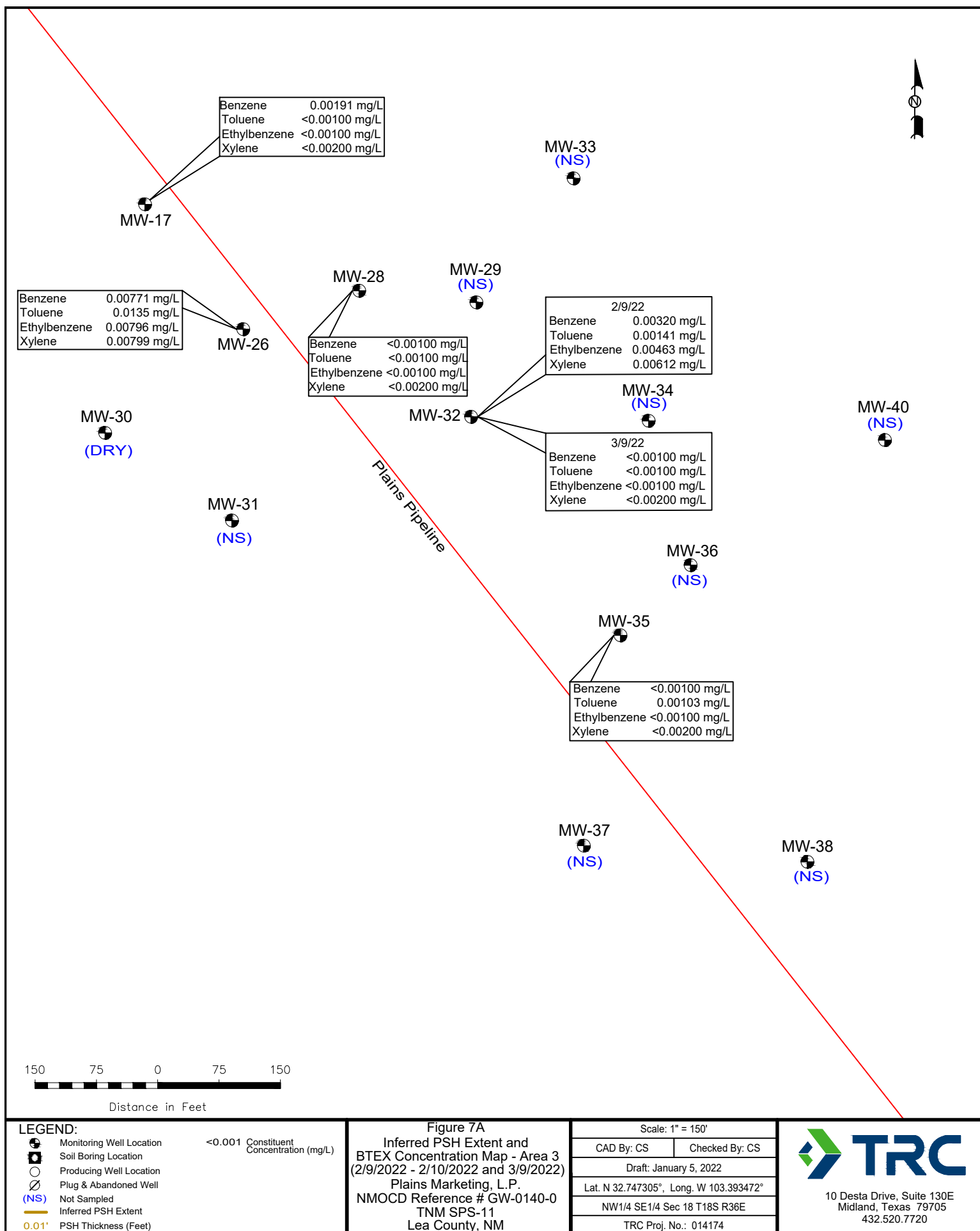


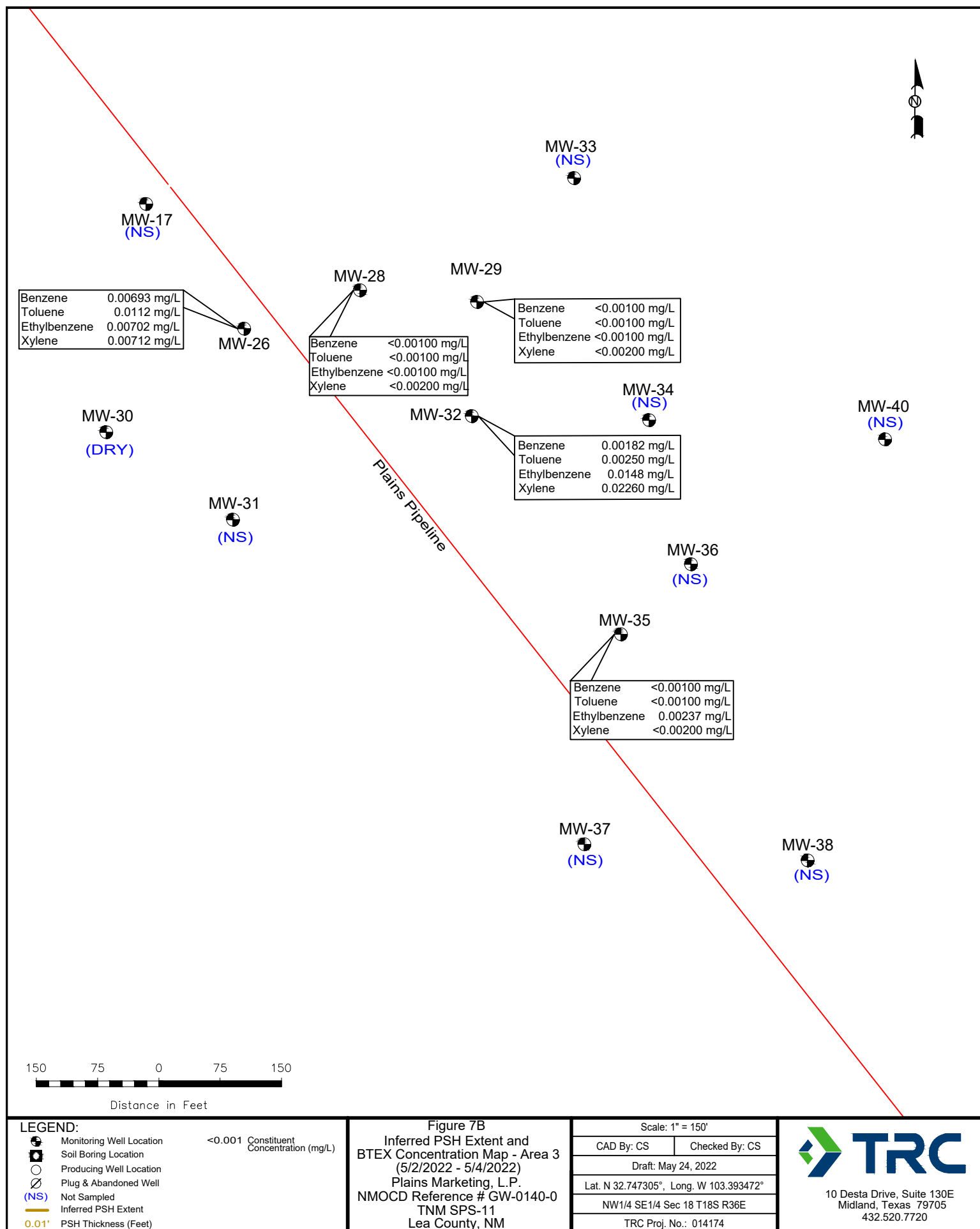


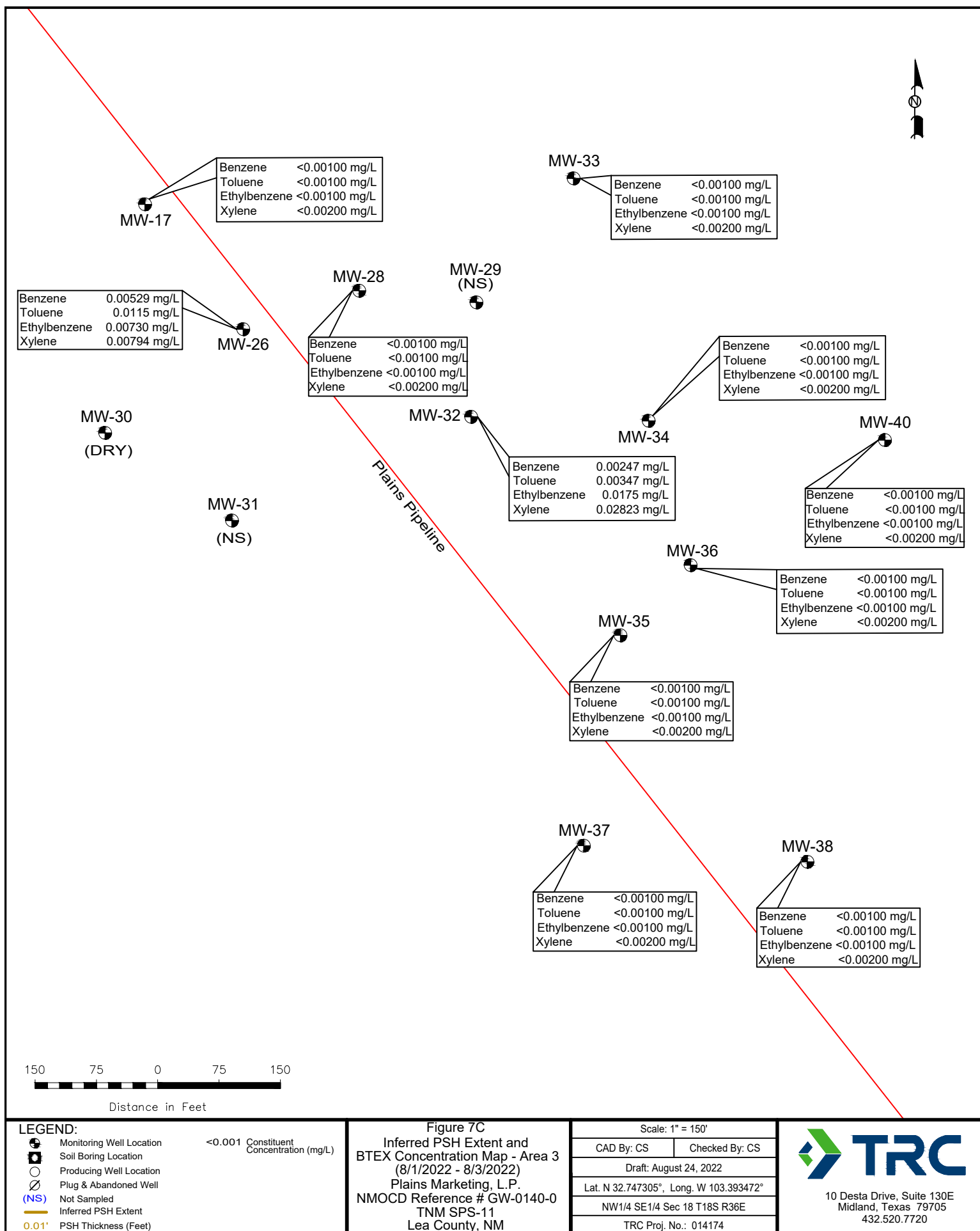


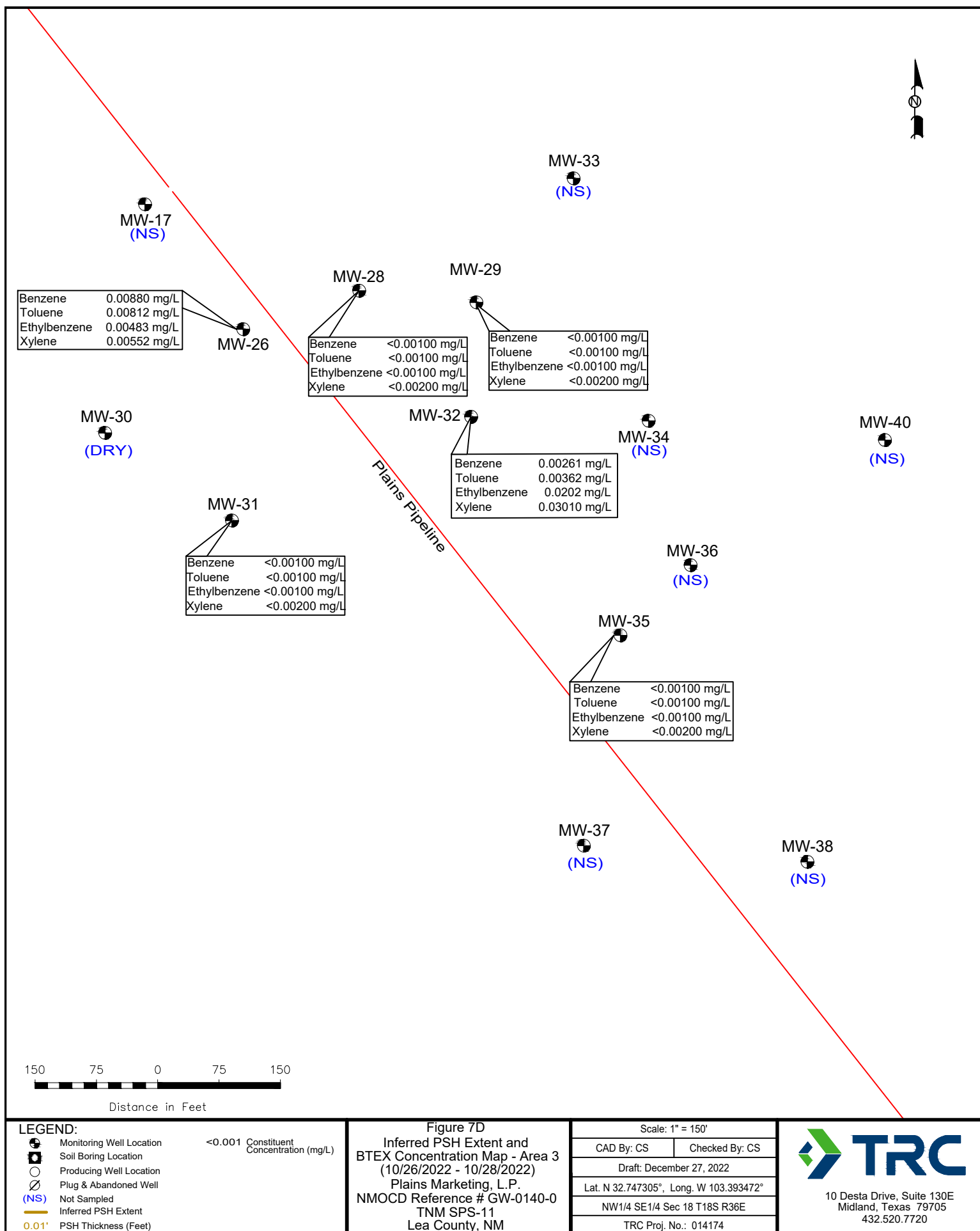












## **TABLES**



TABLE 1

## 2022 GROUNDWATER ELEVATION DATA

TNM SPS - 11  
PLAINS MARKETING, L.P.  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER GW-0140

All Measurements are in Feet

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 01/06/22      | 3859.08                     | -                   | 64.71             | 0.00             | 3794.37                                |
| MW - 1 | 02/10/22      | 3859.08                     | 64.65               | 64.66             | 0.01             | 3794.43                                |
| MW - 1 | 02/18/22      | 3859.08                     | -                   | 64.62             | 0.00             | 3794.46                                |
| MW - 1 | 05/04/22      | 3859.08                     | -                   | 64.71             | 0.00             | 3794.37                                |
| MW - 1 | 07/27/22      | 3859.08                     | 64.80               | 64.84             | 0.04             | 3794.27                                |
| MW - 1 | 08/02/22      | 3859.08                     | 64.82               | 64.83             | 0.01             | 3794.26                                |
| MW - 1 | 10/27/22      | 3859.08                     | -                   | 65.02             | 0.00             | 3794.06                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 2 | 01/06/22      | 3860.76                     | 65.20               | 65.26             | 0.06             | 3795.55                                |
| MW - 2 | 02/10/22      | 3860.76                     | 65.25               | 65.34             | 0.09             | 3795.50                                |
| MW - 2 | 02/18/22      | 3860.76                     | 65.15               | 65.24             | 0.09             | 3795.60                                |
| MW - 2 | 04/07/22      | 3860.76                     | 65.22               | 65.29             | 0.07             | 3795.53                                |
| MW - 2 | 05/04/22      | 3860.76                     | 65.28               | 65.32             | 0.04             | 3795.47                                |
| MW - 2 | 08/03/22      | 3860.76                     | 65.92               | 67.55             | 1.63             | 3794.60                                |
| MW - 2 | 10/27/22      | 3860.76                     | 65.51               | 65.71             | 0.20             | 3795.22                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 3 | 02/09/22      | 3861.15                     | -                   | 65.55             | 0.00             | 3795.60                                |
| MW - 3 | 05/02/22      | 3861.15                     | -                   | 65.60             | 0.00             | 3795.55                                |
| MW - 3 | 08/01/22      | 3861.15                     | -                   | 65.69             | 0.00             | 3795.46                                |
| MW - 3 | 10/26/22      | 3861.15                     | -                   | 65.81             | 0.00             | 3795.34                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 4 | 01/06/22      | 3859.62                     | 64.39               | 68.61             | 4.22             | 3794.60                                |
| MW - 4 | 01/31/22      | 3859.62                     | 64.34               | 68.72             | 4.38             | 3794.62                                |
| MW - 4 | 02/10/22      | 3859.62                     | 64.36               | 68.73             | 4.37             | 3794.60                                |
| MW - 4 | 02/18/22      | 3859.62                     | 64.37               | 68.75             | 4.38             | 3794.59                                |
| MW - 4 | 02/25/22      | 3859.62                     | 64.40               | 68.72             | 4.32             | 3794.57                                |
| MW - 4 | 03/10/22      | 3859.62                     | 64.45               | 68.14             | 3.69             | 3794.62                                |
| MW - 4 | 03/23/22      | 3859.62                     | 64.45               | 68.75             | 4.30             | 3794.53                                |
| MW - 4 | 04/07/22      | 3859.62                     | 64.45               | 68.80             | 4.35             | 3794.52                                |
| MW - 4 | 04/14/22      | 3859.62                     | 64.46               | 68.86             | 4.40             | 3794.50                                |
| MW - 4 | 05/03/22      | 3859.62                     | 64.45               | 68.75             | 4.30             | 3794.53                                |
| MW - 4 | 05/27/22      | 3859.62                     | 64.52               | 68.88             | 4.36             | 3794.45                                |
| MW - 4 | 06/15/22      | 3859.62                     | 64.53               | 68.97             | 4.44             | 3794.42                                |
| MW - 4 | 06/29/22      | 3859.62                     | 64.55               | 68.95             | 4.40             | 3794.41                                |
| MW - 4 | 07/21/22      | 3859.62                     | 64.58               | 68.98             | 4.40             | 3794.38                                |
| MW - 4 | 07/27/22      | 3859.62                     | 64.60               | 69.32             | 4.72             | 3794.31                                |
| MW - 4 | 08/03/22      | 3859.62                     | 64.78               | 69.09             | 4.31             | 3794.19                                |
| MW - 4 | 08/10/22      | 3859.62                     | 64.61               | 68.95             | 4.34             | 3794.36                                |
| MW - 4 | 09/22/22      | 3859.62                     | 64.65               | 69.25             | 4.60             | 3794.28                                |
| MW - 4 | 09/30/22      | 3859.62                     | 64.68               | 69.11             | 4.43             | 3794.28                                |
| MW - 4 | 10/22/22      | 3859.62                     | 64.69               | 69.13             | 4.44             | 3794.26                                |
| MW - 4 | 10/27/22      | 3859.62                     | 64.72               | 69.13             | 4.41             | 3794.24                                |
| MW - 4 | 11/07/22      | 3859.62                     | 64.73               | 69.19             | 4.46             | 3794.22                                |
| MW - 4 | 10/27/22      | 3859.62                     | 64.76               | 69.25             | 4.49             | 3794.19                                |
| MW - 4 | 12/23/22      | 3859.62                     | 64.82               | 69.35             | 4.53             | 3794.12                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 6 | 02/10/22      | 3862.47                     | -                   | 65.16             | 0.00             | 3797.31                                |
| MW - 6 | 05/04/22      | 3862.47                     | -                   | 65.22             | 0.00             | 3797.25                                |
| MW - 6 | 08/02/22      | 3862.47                     | -                   | 65.34             | 0.00             | 3797.13                                |
| MW - 6 | 10/28/22      | 3862.47                     | -                   | 65.44             | 0.00             | 3797.03                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 7 | 01/06/22      | 3859.31                     | 64.87               | 65.32             | 0.45             | 3794.37                                |
| MW - 7 | 02/10/22      | 3859.31                     | 64.70               | 66.37             | 1.67             | 3794.36                                |
| MW - 7 | 02/18/22      | 3859.31                     | 64.62               | 66.54             | 1.92             | 3794.40                                |
| MW - 7 | 04/07/22      | 3859.31                     | 64.75               | 66.40             | 1.65             | 3794.31                                |
| MW - 7 | 05/04/22      | 3859.31                     | 64.95               | 65.53             | 0.58             | 3794.27                                |
| MW - 7 | 06/15/22      | 3859.31                     | 64.92               | 66.23             | 1.31             | 3794.19                                |
| MW - 7 | 07/27/22      | 3859.31                     | 64.96               | 66.50             | 1.54             | 3794.12                                |

TABLE 1

## 2022 GROUNDWATER ELEVATION DATA

TNM SPS - 11  
PLAINS MARKETING, L.P.  
LEA COUNTY, NEW MEXICO  
NMOC D REFERENCE NUMBER GW-0140

All Measurements are in Feet

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7  | 08/03/22      | 3859.31                     | 65.07               | 66.00             | 0.93             | 3794.10                                |
| MW - 7  | 10/11/22      | 3859.31                     | 64.85               | 67.92             | 3.07             | 3794.00                                |
| MW - 7  | 10/27/22      | 3859.31                     | 65.12               | 66.45             | 1.33             | 3793.99                                |
| MW - 7  | 11/07/22      | 3859.31                     | 65.10               | 66.62             | 1.52             | 3793.98                                |
| MW - 7  | 11/23/22      | 3859.31                     | 65.20               | 66.20             | 1.00             | 3793.96                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 9  | 02/10/22      | 3861.88                     | -                   | 64.09             | 0.00             | 3797.79                                |
| MW - 9  | 03/09/22      | 3861.88                     | -                   | 63.94             | 0.00             | 3797.94                                |
| MW - 9  | 05/03/22      | 3861.88                     | -                   | 64.20             | 0.00             | 3797.68                                |
| MW - 9  | 08/03/22      | 3861.88                     | -                   | 64.31             | 0.00             | 3797.57                                |
| MW - 9  | 10/27/22      | 3861.88                     | -                   | 64.42             | 0.00             | 3797.46                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 10 | 02/10/22      | 3860.58                     | -                   | 66.36             | 0.00             | 3794.22                                |
| MW - 10 | 05/04/22      | 3860.58                     | -                   | 66.50             | 0.00             | 3794.08                                |
| MW - 10 | 08/02/22      | 3860.58                     | -                   | 66.64             | 0.00             | 3793.94                                |
| MW - 10 | 10/28/22      | 3860.58                     | -                   | 66.77             | 0.00             | 3793.81                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-11   | 01/06/22      | 3860.00                     | 65.68               | 66.08             | 0.40             | 3794.26                                |
| MW-11   | 02/10/22      | 3860.00                     | 65.57               | 66.72             | 1.15             | 3794.26                                |
| MW-11   | 02/18/22      | 3860.00                     | 65.53               | 66.85             | 1.32             | 3794.27                                |
| MW-11   | 03/10/22      | 3860.00                     | 65.61               | 66.60             | 0.99             | 3794.24                                |
| MW-11   | 04/07/22      | 3860.00                     | 65.64               | 66.75             | 1.11             | 3794.19                                |
| MW-11   | 05/03/22      | 3860.00                     | 65.70               | 66.60             | 0.90             | 3794.17                                |
| MW-11   | 06/15/22      | 3860.00                     | 65.74               | 67.13             | 1.39             | 3794.05                                |
| MW-11   | 07/27/22      | 3860.00                     | 65.92               | 66.40             | 0.48             | 3794.01                                |
| MW-11   | 08/03/22      | 3860.00                     | -                   | 66.68             | 0.00             | 3793.32                                |
| MW-11   | 09/30/22      | 3860.00                     | 65.89               | 67.38             | 1.49             | 3793.89                                |
| MW-11   | 10/11/22      | 3860.00                     | 65.97               | 66.55             | 0.58             | 3793.94                                |
| MW-11   | 10/27/22      | 3860.00                     | 66.00               | 66.77             | 0.77             | 3793.88                                |
| MW-11   | 11/07/22      | 3860.00                     | 66.04               | 66.53             | 0.49             | 3793.89                                |
| MW-11   | 11/23/22      | 3860.00                     | 66.05               | 66.72             | 0.67             | 3793.85                                |
| MW-11   | 12/23/22      | 3860.00                     | 66.07               | 67.00             | 0.93             | 3793.79                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-12   | 02/09/22      | 3863.10                     | -                   | 66.21             | 0.00             | 3796.89                                |
| MW-12   | 05/02/22      | 3863.10                     | -                   | 66.32             | 0.00             | 3796.78                                |
| MW-12   | 08/02/22      | 3863.10                     | -                   | 66.45             | 0.00             | 3796.65                                |
| MW-12   | 10/26/22      | 3863.10                     | -                   | 66.56             | 0.00             | 3796.54                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 13 | 02/09/22      | 3862.44                     | -                   | 64.69             | 0.00             | 3797.75                                |
| MW - 13 | 05/02/22      | 3862.44                     | -                   | 64.77             | 0.00             | 3797.67                                |
| MW - 13 | 08/01/22      | 3862.44                     | -                   | 64.89             | 0.00             | 3797.55                                |
| MW - 13 | 10/26/22      | 3862.44                     | -                   | 64.99             | 0.00             | 3797.45                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 14 | 02/10/22      | 3862.95                     | -                   | 65.65             | 0.00             | 3797.30                                |
| MW - 14 | 03/09/22      | 3862.95                     | -                   | 65.66             | 0.00             | 3797.29                                |
| MW - 14 | 05/03/22      | 3862.95                     | -                   | 65.77             | 0.00             | 3797.18                                |
| MW - 14 | 08/03/22      | 3862.95                     | -                   | 65.91             | 0.00             | 3797.04                                |
| MW - 14 | 10/27/22      | 3862.95                     | -                   | 66.02             | 0.00             | 3796.93                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 15 | 02/09/22      | 3861.70                     | -                   | 64.75             | 0.00             | 3796.95                                |
| MW - 15 | 05/02/22      | 3861.70                     | -                   | 64.88             | 0.00             | 3796.82                                |
| MW - 15 | 08/02/22      | 3861.70                     | -                   | 64.97             | 0.00             | 3796.73                                |
| MW - 15 | 10/26/22      | 3861.70                     | -                   | 65.13             | 0.00             | 3796.57                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 16 | 02/10/22      | 3863.15                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 16 | 05/03/22      | 3863.15                     | -                   | 63.11             | 0.00             | Dry                                    |
| MW - 16 | 08/02/22      | 3863.15                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 16 | 10/26/22      | 3863.15                     | -                   | Dry               | 0.00             | Dry                                    |

TABLE 1

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TNM SPS - 11  
PLAINS MARKETING, L.P.  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER GW-0140

All Measurements are in Feet

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 17 | 02/10/22      | 3859.17                     | -                   | 66.65             | 0.00             | 3792.52                                |
| MW - 17 | 05/02/22      | 3859.17                     | -                   | 66.75             | 0.00             | Dry                                    |
| MW - 17 | 08/02/22      | 3859.17                     | -                   | 66.85             | 0.00             | 3792.32                                |
| MW - 17 | 10/26/22      | 3859.17                     | -                   | 66.95             | 0.00             | 3792.22                                |
| MW - 18 | 02/10/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 05/02/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 08/02/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 10/27/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 19 | 02/10/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 19 | 05/02/22      | 3862.30                     | -                   | 67.48             | 0.00             | Dry                                    |
| MW - 19 | 08/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 19 | 10/27/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 02/10/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 05/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 08/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 10/27/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 23 | 02/09/22      | 3862.44                     | -                   | 64.23             | 0.00             | 3798.21                                |
| MW - 23 | 05/02/22      | 3862.44                     | -                   | 64.35             | 0.00             | 3798.09                                |
| MW - 23 | 08/01/22      | 3862.44                     | -                   | 64.47             | 0.00             | 3797.97                                |
| MW - 23 | 10/26/22      | 3862.44                     | -                   | 64.59             | 0.00             | 3797.85                                |
| MW - 24 | 02/09/22      | 3864.36                     | -                   | 65.28             | 0.00             | 3799.08                                |
| MW - 24 | 05/04/22      | 3864.36                     | -                   | 65.42             | 0.00             | 3798.94                                |
| MW - 24 | 08/01/22      | 3864.36                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 24 | 10/26/22      | 3864.36                     | -                   | 65.62             | 0.00             | 3798.74                                |
| MW-25   | 02/09/22      | 3864.16                     | -                   | 64.20             | 0.00             | 3799.96                                |
| MW-25   | 05/02/22      | 3864.16                     | -                   | 64.34             | 0.00             | 3799.82                                |
| MW-25   | 08/01/22      | 3864.16                     | -                   | 64.43             | 0.00             | 3799.73                                |
| MW-25   | 10/26/22      | 3864.16                     | -                   | 64.56             | 0.00             | 3799.60                                |
| MW - 26 | 02/10/22      | 3858.79                     | -                   | 67.62             | 0.00             | 3791.17                                |
| MW - 26 | 05/04/22      | 3858.79                     | -                   | 67.75             | 0.00             | 3791.04                                |
| MW - 26 | 08/02/22      | 3858.79                     | -                   | 67.88             | 0.00             | 3790.91                                |
| MW - 26 | 10/28/22      | 3858.79                     | -                   | 68.02             | 0.00             | 3790.77                                |
| MW - 28 | 02/10/22      | 3858.60                     | -                   | 67.82             | 0.00             | 3790.78                                |
| MW - 28 | 05/04/22      | 3858.60                     | -                   | 67.97             | 0.00             | 3790.63                                |
| MW - 28 | 08/02/22      | 3858.60                     | -                   | 67.99             | 0.00             | 3790.61                                |
| MW - 28 | 10/28/22      | 3858.60                     | -                   | 68.22             | 0.00             | 3790.38                                |
| MW - 29 | 02/09/22      | 3858.54                     | -                   | 68.22             | 0.00             | 3790.32                                |
| MW - 29 | 05/02/22      | 3858.54                     | -                   | 68.38             | 0.00             | 3790.16                                |
| MW - 29 | 08/01/22      | 3858.54                     | -                   | 68.50             | 0.00             | 3790.04                                |
| MW - 29 | 10/28/22      | 3858.54                     | -                   | 68.64             | 0.00             | 3789.90                                |
| MW - 30 | 02/10/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 05/02/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 08/02/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 10/27/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 31 | 02/09/22      | 3858.52                     | -                   | 67.75             | 0.00             | 3790.77                                |
| MW - 31 | 05/02/22      | 3858.52                     | -                   | 67.90             | 0.00             | 3790.62                                |

TABLE 1

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TNM SPS - 11  
 PLAINS MARKETING, L.P.  
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All Measurements are in Feet

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 31 | 08/01/22      | 3858.52                     | -                   | 68.04             | 0.00             | 3790.48                                |
| MW - 31 | 10/27/22      | 3858.52                     | -                   | 68.18             | 0.00             | 3790.34                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-32   | 02/10/22      | 3858.07                     | -                   | 67.95             | 0.00             | 3790.12                                |
| MW-32   | 03/09/22      | 3858.07                     | -                   | 68.01             | 0.00             | 3790.06                                |
| MW-32   | 05/03/22      | 3858.07                     | -                   | 68.10             | 0.00             | 3789.97                                |
| MW-32   | 08/03/22      | 3858.07                     | -                   | 68.23             | 0.00             | 3789.84                                |
| MW-32   | 10/27/22      | 3858.07                     | -                   | 68.40             | 0.00             | 3789.67                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-33   | 02/09/22      | 3858.36                     | -                   | 68.48             | 0.00             | 3789.88                                |
| MW-33   | 05/02/22      | 3858.36                     | -                   | 68.62             | 0.00             | 3789.74                                |
| MW-33   | 08/02/22      | 3858.36                     | -                   | 68.76             | 0.00             | 3789.60                                |
| MW-33   | 10/26/22      | 3858.36                     | -                   | 68.88             | 0.00             | 3789.48                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-34   | 02/09/22      | 3857.91                     | -                   | 68.43             | 0.00             | 3789.48                                |
| MW-34   | 05/02/22      | 3857.91                     | -                   | 68.60             | 0.00             | 3789.31                                |
| MW-34   | 08/02/22      | 3857.91                     | -                   | 68.70             | 0.00             | 3789.21                                |
| MW-34   | 10/26/22      | 3857.91                     | -                   | 68.88             | 0.00             | 3789.03                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-35   | 02/09/22      | 3857.16                     | -                   | 68.07             | 0.00             | 3789.09                                |
| MW-35   | 03/09/22      | 3857.16                     | -                   | 68.11             | 0.00             | 3789.05                                |
| MW-35   | 05/03/22      | 3857.16                     | -                   | 68.21             | 0.00             | 3788.95                                |
| MW-35   | 08/03/22      | 3857.16                     | -                   | 68.32             | 0.00             | 3788.84                                |
| MW-35   | 10/27/22      | 3857.16                     | -                   | 68.50             | 0.00             | 3788.66                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-36   | 02/09/22      | 3858.80                     | -                   | 68.62             | 0.00             | 3790.18                                |
| MW-36   | 05/02/22      | 3858.80                     | -                   | 68.75             | 0.00             | 3790.05                                |
| MW-36   | 08/02/22      | 3858.80                     | -                   | 68.89             | 0.00             | 3789.91                                |
| MW-36   | 10/26/22      | 3858.80                     | -                   | 69.04             | 0.00             | 3789.76                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-37   | 02/09/22      | 3857.69                     | -                   | 67.74             | 0.00             | 3789.95                                |
| MW-37   | 05/02/22      | 3857.69                     | -                   | 67.86             | 0.00             | 3789.83                                |
| MW-37   | 08/02/22      | 3857.69                     | -                   | 68.00             | 0.00             | 3789.69                                |
| MW-37   | 10/26/22      | 3857.69                     | -                   | 68.13             | 0.00             | 3789.56                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-38   | 02/09/22      | 3855.95                     | -                   | 66.48             | 0.00             | 3789.47                                |
| MW-38   | 05/02/22      | 3855.95                     | -                   | 66.61             | 0.00             | 3789.34                                |
| MW-38   | 08/02/22      | 3855.95                     | -                   | 66.74             | 0.00             | 3789.21                                |
| MW-38   | 10/26/22      | 3855.95                     | -                   | 66.88             | 0.00             | 3789.07                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-39   | 02/09/22      | -                           | -                   | 67.15             | 0.00             | -                                      |
| MW-39   | 05/02/22      | -                           | -                   | 67.28             | 0.00             | -                                      |
| MW-39   | 08/02/22      | -                           | -                   | 67.42             | 0.00             | -                                      |
| MW-39   | 10/26/22      | -                           | -                   | 67.58             | 0.00             | -                                      |
|         |               |                             |                     |                   |                  |                                        |
| MW-40   | 02/09/22      | -                           | -                   | 69.12             | 0.00             | -                                      |
| MW-40   | 05/02/22      | -                           | -                   | 69.30             | 0.00             | -                                      |
| MW-40   | 08/02/22      | -                           | -                   | 69.42             | 0.00             | -                                      |
| MW-40   | 10/26/22      | -                           | -                   | 69.56             | 0.00             | -                                      |
|         |               |                             |                     |                   |                  |                                        |

**TABLE 2**  
**2022 CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION            | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|----------------------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                            |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| NMOCD REGULATORY GUIDELINE |             | 0.01                                   | 0.75     | 0.75          | 0.62           |            |
| MW - 1                     | 02/10/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 1                     | 05/04/22    | 3.10                                   | 0.0289   | 0.107         | 0.1018         |            |
| MW - 1                     | 08/02/22    | 3.59                                   | 0.0292   | 0.131         | 0.0805         |            |
| MW - 1                     | 10/27/22    | 1.08                                   | 0.0178   | 0.0231        | 0.0557         |            |
|                            |             |                                        |          |               |                |            |
| MW - 2                     | 02/10/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 2                     | 05/04/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 2                     | 08/02/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 2                     | 10/27/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
|                            |             |                                        |          |               |                |            |
| MW - 3                     | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3                     | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3                     | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3                     | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                            |             |                                        |          |               |                |            |
| MW - 4                     | 02/10/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 4                     | 03/10/22    | 1.70                                   | 0.111    | 2.63          | 2.872          |            |
| MW - 4                     | 05/03/22    | 1.85                                   | 0.00515  | 2.20          | 2.187          |            |
| MW - 4                     | 08/03/22    | 0.340                                  | 0.00481  | 0.0140        | 1.033          |            |
| MW - 4                     | 10/27/22    | 1.39                                   | 0.00620  | 1.11          | 0.994          |            |
|                            |             |                                        |          |               |                |            |
| MW - 6                     | 02/10/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6                     | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6                     | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6                     | 10/28/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                            |             |                                        |          |               |                |            |
| MW - 7                     | 02/10/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 7                     | 05/04/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 7                     | 08/02/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 7                     | 10/27/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
|                            |             |                                        |          |               |                |            |
| MW - 9                     | 02/10/22    | 0.431                                  | 0.00132  | 0.0862        | 0.01220        |            |
| MW - 9                     | 03/09/22    | 0.299                                  | 0.00116  | 0.0347        | 0.00647        |            |
| MW - 9                     | 05/03/22    | 0.393                                  | 0.00113  | 0.0674        | 0.0137         |            |
| MW - 9                     | 08/03/22    | 0.226                                  | <0.00100 | 0.0121        | 0.00514        |            |
| MW - 9                     | 10/27/22    | 0.195                                  | <0.00100 | 0.00659       | <0.00200       |            |
|                            |             |                                        |          |               |                |            |
| MW - 10                    | 02/10/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10                    | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10                    | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 2**  
**2022 CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 10         | 10/28/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 11         | 02/10/22    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 11         | 03/10/22    | 9.18                                   | 0.0115   | 2.18          | 1.2698         |            |
| MW - 11         | 05/03/22    | 9.61                                   | 0.00457  | 2.53          | 1.431          |            |
| MW - 11         | 08/03/22    | 7.85                                   | 0.00595  | 2.40          | 1.470          |            |
| MW - 11         | 10/27/22    | 7.82                                   | 0.0104   | 1.25          | 0.6923         |            |
|                 |             |                                        |          |               |                |            |
| MW - 12         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 13         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 14         | 02/10/22    | <0.00100                               | 0.00101  | 0.00487       | <0.00200       |            |
| MW - 14         | 03/09/22    | <0.00100                               | 0.00100  | 0.00481       | <0.00200       |            |
| MW - 14         | 05/03/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 14         | 08/03/22    | 0.00119                                | <0.00100 | <0.00100      | 0.00164        |            |
| MW - 14         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 15         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 08/02/22    | <0.00100                               | 0.0606   | <0.00100      | <0.00200       |            |
| MW - 15         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 16         | 02/10/22    | DRY                                    |          |               |                |            |
| MW - 16         | 05/04/22    | DRY                                    |          |               |                |            |
| MW - 16         | 08/02/22    | DRY                                    |          |               |                |            |
| MW - 16         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 17         | 02/10/22    | 0.00191                                | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 18         | 02/10/22    | DRY                                    |          |               |                |            |
| MW - 18         | 05/03/22    | DRY                                    |          |               |                |            |
| MW - 18         | 08/02/22    | DRY                                    |          |               |                |            |

**TABLE 2**  
**2022 CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 18         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 19         | 02/10/22    | DRY                                    |          |               |                |            |
| MW - 19         | 05/03/22    | DRY                                    |          |               |                |            |
| MW - 19         | 08/02/22    | DRY                                    |          |               |                |            |
| MW - 19         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 21         | 02/10/22    | DRY                                    |          |               |                |            |
| MW - 21         | 05/03/22    | DRY                                    |          |               |                |            |
| MW - 21         | 08/02/22    | DRY                                    |          |               |                |            |
| MW - 21         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 23         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 24         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 25         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 26         | 02/10/22    | 0.00771                                | 0.0135   | 0.00796       | 0.00799        |            |
| MW - 26         | 05/04/22    | 0.00693                                | 0.0112   | 0.00702       | 0.00712        |            |
| MW - 26         | 08/02/22    | 0.00529                                | 0.0115   | 0.00730       | 0.00794        |            |
| MW - 26         | 10/28/22    | 0.00880                                | 0.00812  | 0.00483       | 0.00552        |            |
|                 |             |                                        |          |               |                |            |
| MW - 28         | 02/10/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 10/28/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 29         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 10/28/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 30         | 02/10/22    | DRY                                    |          |               |                |            |



**TABLE 2**  
**2022 CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 30         | 05/03/22    | DRY                                    |          |               |                |            |
| MW - 30         | 08/02/22    | DRY                                    |          |               |                |            |
| MW - 30         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 31         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 32         | 02/10/22    | 0.00320                                | 0.00141  | 0.00463       | 0.00612        |            |
| MW - 32         | 03/09/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 32         | 05/03/22    | 0.00182                                | 0.00250  | 0.0148        | 0.02260        |            |
| MW - 32         | 08/03/22    | 0.00247                                | 0.00347  | 0.0175        | 0.02823        |            |
| MW - 32         | 10/27/22    | 0.00261                                | 0.00362  | 0.0202        | 0.03010        |            |
|                 |             |                                        |          |               |                |            |
| MW - 33         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 34         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 35         | 03/09/22    | <0.00100                               | 0.00103  | <0.00100      | <0.00200       |            |
| MW - 35         | 05/03/22    | <0.00100                               | <0.00100 | 0.00237       | <0.00200       |            |
| MW - 35         | 08/03/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 36         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 37         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 38         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 2**  
**2022 CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 38         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 39         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 40         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |

TABLE 3

## 2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L.

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | —                                                  | —              | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | —                    | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | —                   |              |
| MW-1                                                                                            | 10/27/22    | <0.00011                                           | 0.0012         | <0.00011   | <0.00011           | <0.00011       | <0.00011             | <0.00011             | <0.00011             | <0.00011    | <0.00011              | <0.00011     | 0.0064     | <0.00011               | 0.017        | <0.11      | 0.285       |                     | -                   |              |
| MW-2                                                                                            | 10/26/22    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 10/27/22    | <0.00010                                           | 0.0015         | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | <0.00010     | 0.0079     | <0.00010               | 0.021        | <0.00010   | 0.319       |                     | -                   |              |
| MW-6                                                                                            | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 10/26/22    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-9                                                                                            | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-10                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 10/27/22    | <0.00010                                           | 0.002          | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | <0.00010     | 0.0079     | <0.00010               | <0.00010     | 0.016      | 0.35        |                     | -                   |              |
| MW-12                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-13                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-14                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-15                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 3

## 2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L.

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | —                                                  | —              | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | —                    | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | —                   |
| MW-19                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-21                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-23                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-24                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-25                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-26                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-28                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-29                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-30                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-31                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-32                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-33                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-34                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-35                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-36                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-37                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |

TABLE 3

## 2022 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L.

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L |             | 0.03 mg/L           |                     | ---          |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-40                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 03/24/00      | 3859.08                     | -                   | 56.87             | 0.00             | 3802.21                                |
| MW - 1 | 06/14/00      | 3859.08                     | -                   | 57.40             | 0.00             | 3801.68                                |
| MW - 1 | 09/22/00      | 3859.08                     | -                   | 56.50             | 0.00             | 3802.58                                |
| MW - 1 | 12/28/00      | 3859.08                     | -                   | 56.68             | 0.00             | 3802.40                                |
| MW - 1 | 03/14/01      | 3859.08                     | -                   | 56.78             | 0.00             | 3802.30                                |
| MW - 1 | 06/06/01      | 3859.08                     | -                   | 56.94             | 0.00             | 3802.14                                |
| MW - 1 | 09/28/01      | 3859.08                     | -                   | 57.05             | 0.00             | 3802.03                                |
| MW - 1 | 11/17/01      | 3859.08                     | -                   | 57.57             | 0.00             | 3801.51                                |
| MW - 1 | 03/26/02      | 3859.08                     | -                   | 57.54             | 0.00             | 3801.54                                |
| MW - 1 | 06/26/02      | 3859.08                     | -                   | 57.45             | 0.00             | 3801.63                                |
| MW - 1 | 09/25/02      | 3859.08                     | -                   | 57.60             | 0.00             | 3801.48                                |
| MW - 1 | 12/10/02      | 3859.08                     | -                   | 57.61             | 0.00             | 3801.47                                |
| MW - 1 | 03/10/03      | 3859.08                     | -                   | 57.67             | 0.00             | 3801.41                                |
| MW - 1 | 06/09/03      | 3859.08                     | -                   | 57.79             | 0.00             | 3801.29                                |
| MW - 1 | 09/03/03      | 3859.08                     | 57.90               | 57.98             | 0.08             | 3801.17                                |
| MW - 1 | 09/25/03      | 3859.08                     | 57.90               | 57.96             | 0.06             | 3801.17                                |
| MW - 1 | 10/06/03      | 3859.08                     | sheen               | 58.09             | 0.00             | 3800.99                                |
| MW - 1 | 10/21/03      | 3859.08                     | sheen               | 58.11             | 0.00             | 3800.97                                |
| MW - 1 | 11/11/03      | 3859.08                     | sheen               | 58.42             | 0.00             | 3800.66                                |
| MW - 1 | 12/08/03      | 3859.08                     | 57.99               | 58.23             | 0.24             | 3801.05                                |
| MW - 1 | 01/05/04      | 3859.08                     | 58.16               | 58.54             | 0.38             | 3800.86                                |
| MW - 1 | 01/13/04      | 3859.08                     | 58.67               | 58.68             | 0.01             | 3800.41                                |
| MW - 1 | 02/19/04      | 3859.08                     | -                   | 58.37             | 0.00             | 3800.71                                |
| MW - 1 | 03/01/04      | 3859.08                     | -                   | 58.24             | 0.00             | 3800.84                                |
| MW - 1 | 03/11/04      | 3859.08                     | -                   | 58.56             | 0.00             | 3800.52                                |
| MW - 1 | 04/09/04      | 3859.08                     | 58.85               | 58.87             | 0.02             | 3800.23                                |
| MW - 1 | 05/19/04      | 3859.08                     | -                   | 58.20             | 0.00             | 3800.88                                |
| MW - 1 | 06/10/04      | 3859.08                     | 58.27               | 58.28             | 0.01             | 3800.81                                |
| MW - 1 | 07/01/04      | 3859.08                     | 58.33               | 58.34             | 0.01             | 3800.75                                |
| MW - 1 | 08/26/04      | 3859.08                     | 58.26               | 58.42             | 0.16             | 3800.80                                |
| MW - 1 | 09/23/04      | 3859.08                     | 58.30               | 58.75             | 0.45             | 3800.71                                |
| MW - 1 | 10/15/04      | 3859.08                     | sheen               | 57.66             | 0.00             | 3801.42                                |
| MW - 1 | 11/14/04      | 3859.08                     | 57.22               | 57.23             | 0.01             | 3801.86                                |
| MW - 1 | 12/09/04      | 3859.08                     | 57.30               | 57.35             | 0.05             | 3801.77                                |
| MW - 1 | 12/14/04      | 3859.08                     | 57.28               | 57.35             | 0.07             | 3801.79                                |
| MW - 1 | 12/31/04      | 3859.08                     | 57.08               | 57.31             | 0.23             | 3801.97                                |
| MW - 1 | 01/13/05      | 3859.08                     | 56.97               | 57.20             | 0.23             | 3802.08                                |
| MW - 1 | 01/20/05      | 3859.08                     | 56.94               | 56.97             | 0.03             | 3802.14                                |
| MW - 1 | 01/27/05      | 3859.08                     | sheen               | 57.09             | 0.00             | 3801.99                                |
| MW - 1 | 02/04/05      | 3859.08                     | sheen               | 57.02             | 0.00             | 3802.06                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 02/10/05      | 3859.08                     | sheen               | 56.98             | 0.00             | 3802.10                                |
| MW - 1 | 02/17/05      | 3859.08                     | sheen               | 57.08             | 0.00             | 3802.00                                |
| MW - 1 | 02/24/05      | 3859.08                     | sheen               | 57.04             | 0.00             | 3802.04                                |
| MW - 1 | 03/03/05      | 3859.08                     | sheen               | 57.08             | 0.00             | 3802.00                                |
| MW - 1 | 03/17/05      | 3859.08                     | 57.11               | 57.12             | 0.01             | 3801.97                                |
| MW - 1 | 04/07/05      | 3859.08                     | 57.18               | 57.25             | 0.07             | 3801.89                                |
| MW - 1 | 05/26/05      | 3859.08                     | 57.42               | 57.45             | 0.03             | 3801.66                                |
| MW - 1 | 06/15/05      | 3859.08                     | -                   | 57.42             | 0.00             | 3801.66                                |
| MW - 1 | 06/23/05      | 3859.08                     | sheen               | 57.38             | 0.00             | 3801.70                                |
| MW - 1 | 07/27/05      | 3859.08                     | sheen               | 57.51             | 0.00             | 3801.57                                |
| MW - 1 | 08/25/05      | 3859.08                     | sheen               | 57.30             | 0.00             | 3801.78                                |
| MW - 1 | 09/14/05      | 3859.08                     | 57.56               | 57.71             | 0.15             | 3801.50                                |
| MW - 1 | 09/28/05      | 3859.08                     | 57.50               | 57.74             | 0.24             | 3801.54                                |
| MW - 1 | 10/28/05      | 3859.08                     | 57.55               | 57.95             | 0.40             | 3801.47                                |
| MW - 1 | 11/16/05      | 3859.08                     | 57.51               | 60.01             | 2.50             | 3801.20                                |
| MW - 1 | 12/13/05      | 3859.08                     | 57.67               | 58.31             | 0.64             | 3801.31                                |
| MW - 1 | 12/29/05      | 3859.08                     | 57.70               | 58.40             | 0.70             | 3801.28                                |
| MW - 1 | 01/13/06      | 3859.08                     | 57.73               | 58.51             | 0.78             | 3801.23                                |
| MW - 1 | 01/27/06      | 3859.08                     | 57.80               | 58.35             | 0.55             | 3801.20                                |
| MW - 1 | 02/24/06      | 3859.08                     | 57.83               | 58.60             | 0.77             | 3801.13                                |
| MW - 1 | 03/08/06      | 3859.08                     | 57.86               | 58.51             | 0.65             | 3801.12                                |
| MW - 1 | 03/15/06      | 3859.08                     | 57.80               | 58.71             | 0.91             | 3801.14                                |
| MW - 1 | 03/24/06      | 3859.08                     | 57.80               | 58.64             | 0.84             | 3801.15                                |
| MW - 1 | 03/31/06      | 3859.08                     | 57.85               | 58.85             | 1.00             | 3801.08                                |
| MW - 1 | 05/04/06      | 3859.08                     | 57.93               | 58.69             | 0.76             | 3801.04                                |
| MW - 1 | 05/09/06      | 3859.08                     | 58.01               | 58.21             | 0.20             | 3801.04                                |
| MW - 1 | 05/10/06      | 3859.08                     | 58.03               | 58.12             | 0.09             | 3801.04                                |
| MW - 1 | 05/15/06      | 3859.08                     | 58.08               | 58.17             | 0.09             | 3800.99                                |
| MW - 1 | 05/17/06      | 3859.08                     | 58.05               | 58.11             | 0.06             | 3801.02                                |
| MW - 1 | 05/24/06      | 3859.08                     | 58.09               | 58.11             | 0.02             | 3800.99                                |
| MW - 1 | 05/31/06      | 3859.08                     | 58.07               | 58.23             | 0.16             | 3800.99                                |
| MW - 1 | 06/02/06      | 3859.08                     | 58.08               | 58.13             | 0.05             | 3800.99                                |
| MW - 1 | 06/05/06      | 3859.08                     | 58.08               | 58.17             | 0.09             | 3800.99                                |
| MW - 1 | 06/12/06      | 3859.08                     | 58.08               | 58.26             | 0.18             | 3800.97                                |
| MW - 1 | 06/14/06      | 3859.08                     | 58.09               | 58.18             | 0.09             | 3800.98                                |
| MW - 1 | 06/15/06      | 3859.08                     | 58.10               | 58.21             | 0.11             | 3800.96                                |
| MW - 1 | 06/19/06      | 3859.08                     | 58.10               | 58.23             | 0.13             | 3800.96                                |
| MW - 1 | 07/10/06      | 3859.08                     | 58.11               | 58.44             | 0.33             | 3800.92                                |
| MW - 1 | 07/12/06      | 3859.08                     | 58.14               | 58.29             | 0.15             | 3800.92                                |
| MW - 1 | 07/14/06      | 3859.08                     | 58.12               | 58.38             | 0.26             | 3800.92                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 07/20/06      | 3859.08                     | 58.02               | 58.33             | 0.31             | 3801.01                                |
| MW - 1 | 07/31/06      | 3859.08                     | 58.16               | 58.46             | 0.30             | 3800.88                                |
| MW - 1 | 08/08/06      | 3859.08                     | 58.20               | 58.48             | 0.28             | 3800.84                                |
| MW - 1 | 08/10/06      | 3859.08                     | 58.17               | 58.44             | 0.27             | 3800.87                                |
| MW - 1 | 08/17/06      | 3859.08                     | 58.21               | 58.59             | 0.38             | 3800.81                                |
| MW - 1 | 08/21/06      | 3859.08                     | 58.39               | 58.86             | 0.47             | 3800.62                                |
| MW - 1 | 08/23/06      | 3859.08                     | 58.20               | 58.38             | 0.18             | 3800.85                                |
| MW - 1 | 09/13/06      | 3859.08                     | 58.19               | 58.61             | 0.42             | 3800.83                                |
| MW - 1 | 09/18/06      | 3859.08                     | 58.17               | 58.69             | 0.52             | 3800.83                                |
| MW - 1 | 10/03/06      | 3859.08                     | 58.20               | 58.40             | 0.20             | 3800.85                                |
| MW - 1 | 10/04/06      | 3859.08                     | 58.28               | 58.56             | 0.28             | 3800.76                                |
| MW - 1 | 10/06/06      | 3859.08                     | 58.25               | 58.72             | 0.47             | 3800.76                                |
| MW - 1 | 10/10/06      | 3859.08                     | 58.26               | 58.59             | 0.33             | 3800.77                                |
| MW - 1 | 10/11/06      | 3859.08                     | 58.25               | 58.56             | 0.31             | 3800.78                                |
| MW - 1 | 10/20/06      | 3859.08                     | 58.27               | 58.50             | 0.23             | 3800.78                                |
| MW - 1 | 10/26/06      | 3859.08                     | 58.28               | 58.58             | 0.30             | 3800.76                                |
| MW - 1 | 10/30/06      | 3859.08                     | 58.29               | 58.55             | 0.26             | 3800.75                                |
| MW - 1 | 11/06/06      | 3859.08                     | 58.29               | 58.55             | 0.26             | 3800.75                                |
| MW - 1 | 11/07/06      | 3859.08                     | 58.29               | 58.40             | 0.11             | 3800.77                                |
| MW - 1 | 11/09/06      | 3859.08                     | 58.30               | 58.31             | 0.01             | 3800.78                                |
| MW - 1 | 11/17/06      | 3859.08                     | 58.32               | 58.43             | 0.11             | 3800.74                                |
| MW - 1 | 11/20/06      | 3859.08                     | 58.30               | 58.44             | 0.14             | 3800.76                                |
| MW - 1 | 11/22/06      | 3859.08                     | 58.31               | 58.45             | 0.14             | 3800.75                                |
| MW - 1 | 11/27/06      | 3859.08                     | 58.28               | 58.48             | 0.20             | 3800.77                                |
| MW - 1 | 11/29/06      | 3859.08                     | 58.31               | 58.48             | 0.17             | 3800.74                                |
| MW - 1 | 12/01/06      | 3859.08                     | 58.34               | 58.46             | 0.12             | 3800.72                                |
| MW - 1 | 12/04/06      | 3859.08                     | 58.35               | 58.50             | 0.15             | 3800.71                                |
| MW - 1 | 12/06/06      | 3859.08                     | 58.33               | 58.47             | 0.14             | 3800.73                                |
| MW - 1 | 12/08/06      | 3859.08                     | 58.33               | 58.47             | 0.14             | 3800.73                                |
| MW - 1 | 12/13/06      | 3859.08                     | 58.32               | 58.57             | 0.25             | 3800.72                                |
| MW - 1 | 12/18/06      | 3859.08                     | 58.34               | 58.60             | 0.26             | 3800.70                                |
| MW - 1 | 01/10/07      | 3859.08                     | 58.25               | 58.93             | 0.68             | 3800.73                                |
| MW - 1 | 02/06/07      | 3859.08                     | 58.34               | 58.90             | 0.56             | 3800.66                                |
| MW - 1 | 02/13/07      | 3859.08                     | 58.35               | 58.84             | 0.49             | 3800.66                                |
| MW - 1 | 02/28/07      | 3859.08                     | 58.33               | 58.68             | 0.35             | 3800.70                                |
| MW - 1 | 03/01/07      | 3859.08                     | 58.41               | 58.68             | 0.27             | 3800.63                                |
| MW - 1 | 03/06/07      | 3859.08                     | 58.35               | 58.69             | 0.34             | 3800.68                                |
| MW - 1 | 03/14/07      | 3859.08                     | 58.34               | 58.75             | 0.41             | 3800.68                                |
| MW - 1 | 04/04/07      | 3859.08                     | 58.39               | 58.82             | 0.43             | 3800.63                                |
| MW - 1 | 04/16/07      | 3859.08                     | 58.37               | 58.96             | 0.59             | 3800.62                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 04/24/07      | 3859.08                     | 58.38               | 58.83             | 0.45             | 3800.63                                |
| MW - 1 | 05/01/07      | 3859.08                     | 58.41               | 58.75             | 0.34             | 3800.62                                |
| MW - 1 | 05/16/07      | 3859.08                     | 58.38               | 59.02             | 0.64             | 3800.60                                |
| MW - 1 | 05/21/07      | 3859.08                     | 58.36               | 59.14             | 0.78             | 3800.60                                |
| MW - 1 | 05/24/07      | 3859.08                     | 58.40               | 58.90             | 0.50             | 3800.61                                |
| MW - 1 | 05/29/07      | 3859.08                     | 58.38               | 59.09             | 0.71             | 3800.59                                |
| MW - 1 | 06/05/07      | 3859.08                     | 58.39               | 58.98             | 0.59             | 3800.60                                |
| MW - 1 | 06/12/07      | 3859.08                     | 58.43               | 58.98             | 0.55             | 3800.57                                |
| MW - 1 | 06/18/07      | 3859.08                     | 58.43               | 58.90             | 0.47             | 3800.58                                |
| MW - 1 | 06/29/07      | 3859.08                     | 58.41               | 58.96             | 0.55             | 3800.59                                |
| MW - 1 | 07/03/07      | 3859.08                     | 58.44               | 58.81             | 0.37             | 3800.58                                |
| MW - 1 | 07/10/07      | 3859.08                     | 58.45               | 58.83             | 0.38             | 3800.57                                |
| MW - 1 | 07/18/07      | 3859.08                     | 58.44               | 58.84             | 0.40             | 3800.58                                |
| MW - 1 | 07/30/07      | 3859.08                     | 58.47               | 58.90             | 0.43             | 3800.55                                |
| MW - 1 | 08/06/07      | 3859.08                     | 58.48               | 58.88             | 0.40             | 3800.54                                |
| MW - 1 | 08/13/07      | 3859.08                     | 58.49               | 58.88             | 0.39             | 3800.53                                |
| MW - 1 | 08/23/07      | 3859.08                     | 58.48               | 59.04             | 0.56             | 3800.52                                |
| MW - 1 | 08/31/07      | 3859.08                     | 58.44               | 59.27             | 0.83             | 3800.52                                |
| MW - 1 | 09/17/07      | 3859.08                     | 58.50               | 59.04             | 0.54             | 3800.50                                |
| MW - 1 | 09/28/07      | 3859.08                     | 58.49               | 59.15             | 0.66             | 3800.49                                |
| MW - 1 | 10/12/07      | 3859.08                     | 58.48               | 59.31             | 0.83             | 3800.48                                |
| MW - 1 | 11/08/07      | 3859.08                     | 58.46               | 59.68             | 1.22             | 3800.44                                |
| MW - 1 | 11/09/07      | 3859.08                     | 58.46               | 59.71             | 1.25             | 3800.43                                |
| MW - 1 | 12/13/07      | 3859.08                     | 58.41               | 59.96             | 1.55             | 3800.44                                |
| MW - 1 | 01/10/08      | 3859.08                     | 58.51               | 59.63             | 1.12             | 3800.40                                |
| MW - 1 | 01/16/08      | 3859.08                     | 58.60               | 59.21             | 0.61             | 3800.39                                |
| MW - 1 | 01/22/08      | 3859.08                     | 58.56               | 59.38             | 0.82             | 3800.40                                |
| MW - 1 | 02/07/08      | 3859.08                     | 58.65               | 59.21             | 0.56             | 3800.35                                |
| MW - 1 | 02/12/08      | 3859.08                     | 58.69               | 59.10             | 0.41             | 3800.33                                |
| MW - 1 | 02/20/08      | 3859.08                     | 58.63               | 59.11             | 0.48             | 3800.38                                |
| MW - 1 | 02/27/08      | 3859.08                     | 58.69               | 59.11             | 0.42             | 3800.33                                |
| MW - 1 | 03/04/08      | 3859.08                     | 58.66               | 59.11             | 0.45             | 3800.35                                |
| MW - 1 | 03/23/08      | 3859.08                     | 58.61               | 59.41             | 0.80             | 3800.35                                |
| MW - 1 | 04/09/08      | 3859.08                     | 58.66               | 59.49             | 0.83             | 3800.30                                |
| MW - 1 | 04/18/08      | 3859.08                     | 58.68               | 59.40             | 0.72             | 3800.29                                |
| MW - 1 | 04/25/08      | 3859.08                     | 58.73               | 59.30             | 0.57             | 3800.26                                |
| MW - 1 | 04/30/08      | 3859.08                     | 58.71               | 59.21             | 0.50             | 3800.30                                |
| MW - 1 | 05/16/08      | 3859.08                     | 58.66               | 59.62             | 0.96             | 3800.28                                |
| MW - 1 | 05/16/08      | 3859.08                     | sheen               | 60.56             | 0.00             | 3798.52                                |
| MW - 1 | 06/03/08      | 3859.08                     | 58.76               | 59.23             | 0.47             | 3800.25                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 06/11/08      | 3859.08                     | 58.74               | 59.29             | 0.55             | 3800.26                                |
| MW - 1 | 06/11/08      | 3859.08                     | 58.74               | 59.33             | 0.59             | 3800.25                                |
| MW - 1 | 06/18/08      | 3859.08                     | 58.77               | 59.33             | 0.56             | 3800.23                                |
| MW - 1 | 06/25/08      | 3859.08                     | 58.76               | 59.31             | 0.55             | 3800.24                                |
| MW - 1 | 07/01/08      | 3859.08                     | 58.80               | 59.23             | 0.43             | 3800.22                                |
| MW - 1 | 07/09/08      | 3859.08                     | 58.79               | 59.35             | 0.56             | 3800.21                                |
| MW - 1 | 07/15/08      | 3859.08                     | 58.80               | 59.25             | 0.45             | 3800.21                                |
| MW - 1 | 07/23/08      | 3859.08                     | 58.78               | 59.39             | 0.61             | 3800.21                                |
| MW - 1 | 08/13/08      | 3859.08                     | 58.73               | 59.90             | 1.17             | 3800.17                                |
| MW - 1 | 09/09/08      | 3859.08                     | 58.73               | 60.01             | 1.28             | 3800.16                                |
| MW - 1 | 09/11/08      | 3859.08                     | 58.70               | 60.07             | 1.37             | 3800.17                                |
| MW - 1 | 09/22/08      | 3859.08                     | 58.80               | 59.59             | 0.79             | 3800.16                                |
| MW - 1 | 10/01/08      | 3859.08                     | 58.84               | 59.56             | 0.72             | 3800.13                                |
| MW - 1 | 10/16/08      | 3859.08                     | 58.89               | 59.42             | 0.53             | 3800.11                                |
| MW - 1 | 10/23/08      | 3859.08                     | 58.88               | 59.40             | 0.52             | 3800.12                                |
| MW - 1 | 10/30/08      | 3859.08                     | 58.91               | 59.45             | 0.54             | 3800.09                                |
| MW - 1 | 11/04/08      | 3859.08                     | 58.90               | 59.31             | 0.41             | 3800.12                                |
| MW - 1 | 11/25/08      | 3859.08                     | 58.80               | 60.08             | 1.28             | 3800.09                                |
| MW - 1 | 11/25/08      | 3859.08                     | 60.04               | 60.08             | 0.04             | 3799.03                                |
| MW - 1 | 12/11/08      | 3859.08                     | 58.88               | 60.02             | 1.14             | 3800.03                                |
| MW - 1 | 01/02/09      | 3859.08                     | 58.75               | 60.73             | 1.98             | 3800.03                                |
| MW - 1 | 01/08/09      | 3859.08                     | 58.95               | 59.66             | 0.71             | 3800.02                                |
| MW - 1 | 01/14/09      | 3859.08                     | 59.02               | 59.61             | 0.59             | 3799.97                                |
| MW - 1 | 02/12/09      | 3859.08                     | 58.62               | 60.60             | 1.98             | 3800.16                                |
| MW - 1 | 02/19/09      | 3859.08                     | 58.81               | 60.81             | 2.00             | 3799.97                                |
| MW - 1 | 02/26/09      | 3859.08                     | 58.96               | 59.67             | 0.71             | 3800.01                                |
| MW - 1 | 03/04/09      | 3859.08                     | 58.92               | 60.00             | 1.08             | 3800.00                                |
| MW - 1 | 03/16/09      | 3859.08                     | 59.06               | 60.04             | 0.98             | 3799.87                                |
| MW - 1 | 03/19/09      | 3859.08                     | 58.85               | 60.57             | 1.72             | 3799.97                                |
| MW - 1 | 03/24/09      | 3859.08                     | 58.82               | 60.79             | 1.97             | 3799.96                                |
| MW - 1 | 04/08/09      | 3859.08                     | 59.05               | 60.06             | 1.01             | 3799.88                                |
| MW - 1 | 04/15/09      | 3859.08                     | 58.89               | 60.47             | 1.58             | 3799.95                                |
| MW - 1 | 04/17/09      | 3859.08                     | 59.04               | 60.04             | 1.00             | 3799.89                                |
| MW - 1 | 04/21/09      | 3859.08                     | 59.02               | 60.01             | 0.99             | 3799.91                                |
| MW - 1 | 04/29/09      | 3859.08                     | 58.94               | 60.24             | 1.30             | 3799.95                                |
| MW - 1 | 05/06/09      | 3859.08                     | 59.03               | 59.77             | 0.74             | 3799.94                                |
| MW - 1 | 05/20/09      | 3859.08                     | 59.00               | 60.15             | 1.15             | 3799.91                                |
| MW - 1 | 05/22/09      | 3859.08                     | 59.11               | 59.54             | 0.43             | 3799.91                                |
| MW - 1 | 05/27/09      | 3859.08                     | 59.02               | 59.97             | 0.95             | 3799.92                                |
| MW - 1 | 06/01/09      | 3859.08                     | 59.00               | 60.16             | 1.16             | 3799.91                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 06/09/09      | 3859.08                     | 59.08               | 59.81             | 0.73             | 3799.89                                |
| MW - 1 | 06/17/09      | 3859.08                     | 59.02               | 60.05             | 1.03             | 3799.91                                |
| MW - 1 | 06/23/09      | 3859.08                     | 59.04               | 60.02             | 0.98             | 3799.89                                |
| MW - 1 | 06/30/09      | 3859.08                     | 58.91               | 60.62             | 1.71             | 3799.91                                |
| MW - 1 | 07/10/09      | 3859.08                     | 59.02               | 60.01             | 0.99             | 3799.91                                |
| MW - 1 | 07/13/09      | 3859.08                     | 59.08               | 59.53             | 0.45             | 3799.93                                |
| MW - 1 | 07/17/09      | 3859.08                     | 59.00               | 60.01             | 1.01             | 3799.93                                |
| MW - 1 | 07/24/09      | 3859.08                     | 59.01               | 59.91             | 0.90             | 3799.94                                |
| MW - 1 | 07/28/09      | 3859.08                     | 59.08               | 59.54             | 0.46             | 3799.93                                |
| MW - 1 | 08/04/09      | 3859.08                     | 59.00               | 59.91             | 0.91             | 3799.94                                |
| MW - 1 | 08/12/09      | 3859.08                     | 59.02               | 59.94             | 0.92             | 3799.92                                |
| MW - 1 | 08/18/09      | 3859.08                     | 59.05               | 59.79             | 0.74             | 3799.92                                |
| MW - 1 | 08/20/09      | 3859.08                     | 59.03               | 59.84             | 0.81             | 3799.93                                |
| MW - 1 | 08/26/09      | 3859.08                     | 59.04               | 59.95             | 0.91             | 3799.90                                |
| MW - 1 | 09/02/09      | 3859.08                     | 59.02               | 59.86             | 0.84             | 3799.93                                |
| MW - 1 | 09/09/09      | 3859.08                     | 59.05               | 59.73             | 0.68             | 3799.93                                |
| MW - 1 | 09/14/09      | 3859.08                     | 59.08               | 59.63             | 0.55             | 3799.92                                |
| MW - 1 | 09/21/09      | 3859.08                     | 59.09               | 59.69             | 0.60             | 3799.90                                |
| MW - 1 | 10/01/09      | 3859.08                     | 59.06               | 59.94             | 0.88             | 3799.89                                |
| MW - 1 | 10/08/09      | 3859.08                     | 59.04               | 59.81             | 0.77             | 3799.92                                |
| MW - 1 | 10/14/09      | 3859.08                     | 59.10               | 59.68             | 0.58             | 3799.89                                |
| MW - 1 | 10/21/09      | 3859.08                     | 59.01               | 60.53             | 1.52             | 3799.84                                |
| MW - 1 | 10/28/09      | 3859.08                     | 59.08               | 59.97             | 0.89             | 3799.87                                |
| MW - 1 | 10/29/09      | 3859.08                     | 59.17               | 59.47             | 0.30             | 3799.87                                |
| MW - 1 | 11/04/09      | 3859.08                     | 59.12               | 59.70             | 0.58             | 3799.87                                |
| MW - 1 | 11/11/09      | 3859.08                     | 59.15               | 59.85             | 0.70             | 3799.83                                |
| MW - 1 | 11/18/09      | 3859.08                     | 59.14               | 59.85             | 0.71             | 3799.83                                |
| MW - 1 | 12/02/09      | 3859.08                     | 59.10               | 60.25             | 1.15             | 3799.81                                |
| MW - 1 | 12/10/09      | 3859.08                     | 59.20               | 59.85             | 0.65             | 3799.78                                |
| MW - 1 | 12/18/09      | 3859.08                     | 59.16               | 60.05             | 0.89             | 3799.79                                |
| MW - 1 | 12/23/09      | 3859.08                     | 59.20               | 59.78             | 0.58             | 3799.79                                |
| MW - 1 | 12/30/09      | 3859.08                     | 59.25               | 59.92             | 0.67             | 3799.73                                |
| MW - 1 | 01/06/10      | 3859.08                     | 59.20               | 59.85             | 0.65             | 3799.78                                |
| MW - 1 | 01/19/10      | 3859.08                     | 59.21               | 59.83             | 0.62             | 3799.78                                |
| MW - 1 | 02/02/10      | 3859.08                     | 59.05               | 60.94             | 1.89             | 3799.75                                |
| MW - 1 | 02/19/10      | 3859.08                     | 59.18               | 60.90             | 1.72             | 3799.64                                |
| MW - 1 | 02/22/10      | 3859.08                     | 59.31               | 59.96             | 0.65             | 3799.67                                |
| MW - 1 | 03/02/10      | 3859.08                     | 59.24               | 60.49             | 1.25             | 3799.65                                |
| MW - 1 | 03/09/10      | 3859.08                     | 59.33               | 60.05             | 0.72             | 3799.64                                |
| MW - 1 | 03/11/10      | 3859.08                     | 59.36               | 60.03             | 0.67             | 3799.62                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 03/16/10      | 3859.08                     | 59.08               | 60.92             | 1.84             | 3799.72                                |
| MW - 1 | 03/18/10      | 3859.08                     | 59.22               | 60.00             | 0.78             | 3799.74                                |
| MW - 1 | 03/24/10      | 3859.08                     | 59.34               | 60.03             | 0.69             | 3799.64                                |
| MW - 1 | 03/31/10      | 3859.08                     | 59.34               | 59.99             | 0.65             | 3799.64                                |
| MW - 1 | 04/08/10      | 3859.08                     | 59.07               | 60.90             | 1.83             | 3799.74                                |
| MW - 1 | 04/15/10      | 3859.08                     | 59.09               | 60.89             | 1.80             | 3799.72                                |
| MW - 1 | 04/28/10      | 3859.08                     | 59.12               | 60.63             | 1.51             | 3799.73                                |
| MW - 1 | 05/06/10      | 3859.08                     | 59.10               | 60.65             | 1.55             | 3799.75                                |
| MW - 1 | 05/13/10      | 3859.08                     | 59.13               | 60.60             | 1.47             | 3799.73                                |
| MW - 1 | 05/19/10      | 3859.08                     | 59.11               | 60.58             | 1.47             | 3799.75                                |
| MW - 1 | 05/27/10      | 3859.08                     | 59.09               | 61.08             | 1.99             | 3799.69                                |
| MW - 1 | 06/04/10      | 3859.08                     | 59.28               | 60.13             | 0.85             | 3799.67                                |
| MW - 1 | 07/02/10      | 3859.08                     | 59.19               | 60.88             | 1.69             | 3799.64                                |
| MW - 1 | 07/09/10      | 3859.08                     | 59.06               | 60.96             | 1.90             | 3799.74                                |
| MW - 1 | 07/14/10      | 3859.08                     | 58.95               | 59.67             | 0.72             | 3800.02                                |
| MW - 1 | 07/22/10      | 3859.08                     | 58.82               | 59.67             | 0.85             | 3800.13                                |
| MW - 1 | 07/29/10      | 3859.08                     | 58.78               | 59.81             | 1.03             | 3800.15                                |
| MW - 1 | 08/05/10      | 3859.08                     | 58.74               | 60.17             | 1.43             | 3800.13                                |
| MW - 1 | 08/12/10      | 3859.08                     | 58.80               | 59.82             | 1.02             | 3800.13                                |
| MW - 1 | 08/18/10      | 3859.08                     | 58.82               | 59.82             | 1.00             | 3800.11                                |
| MW - 1 | 08/26/10      | 3859.08                     | 58.82               | 59.92             | 1.10             | 3800.10                                |
| MW - 1 | 09/02/10      | 3859.08                     | 58.75               | 60.46             | 1.71             | 3800.07                                |
| MW - 1 | 09/08/10      | 3859.08                     | 58.83               | 59.91             | 1.08             | 3800.09                                |
| MW - 1 | 09/30/10      | 3859.08                     | 58.91               | 60.27             | 1.36             | 3799.97                                |
| MW - 1 | 10/07/10      | 3859.08                     | 58.93               | 60.25             | 1.32             | 3799.95                                |
| MW - 1 | 10/14/10      | 3859.08                     | 58.95               | 60.23             | 1.28             | 3799.94                                |
| MW - 1 | 10/21/10      | 3859.08                     | 58.93               | 60.26             | 1.33             | 3799.95                                |
| MW - 1 | 11/04/10      | 3859.08                     | 58.75               | 60.94             | 2.19             | 3800.00                                |
| MW - 1 | 11/11/10      | 3859.08                     | 58.73               | 62.10             | 3.37             | 3799.84                                |
| MW - 1 | 11/30/10      | 3859.08                     | 58.94               | 60.24             | 1.30             | 3799.95                                |
| MW - 1 | 12/08/10      | 3859.08                     | 58.84               | 60.63             | 1.79             | 3799.97                                |
| MW - 1 | 12/16/10      | 3859.08                     | 58.76               | 60.59             | 1.83             | 3800.05                                |
| MW - 1 | 12/22/10      | 3859.08                     | 59.41               | 61.13             | 1.72             | 3799.41                                |
| MW - 1 | 01/13/11      | 3859.08                     | 58.76               | 60.37             | 1.61             | 3800.08                                |
| MW - 1 | 01/27/11      | 3859.08                     | 58.97               | 61.30             | 2.33             | 3799.76                                |
| MW - 1 | 03/08/11      | 3859.08                     | 58.80               | 60.27             | 1.47             | 3800.06                                |
| MW - 1 | 04/28/11      | 3859.08                     | 58.66               | 64.08             | 5.42             | 3799.61                                |
| MW - 1 | 05/11/11      | 3859.08                     | 58.58               | 63.97             | 5.39             | 3799.69                                |
| MW - 1 | 05/18/11      | 3859.08                     | 58.60               | 64.02             | 5.42             | 3799.67                                |
| MW - 1 | 05/23/11      | 3859.08                     | 58.70               | 64.05             | 5.35             | 3799.58                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 05/26/11      | 3859.08                     | 58.70               | 64.05             | 5.35             | 3799.58                                |
| MW - 1 | 06/02/11      | 3859.08                     | 58.66               | 64.40             | 5.74             | 3799.56                                |
| MW - 1 | 06/08/11      | 3859.08                     | 59.23               | 64.30             | 5.07             | 3799.09                                |
| MW - 1 | 06/16/11      | 3859.08                     | 58.91               | 64.19             | 5.28             | 3799.38                                |
| MW - 1 | 06/22/11      | 3859.08                     | 58.90               | 64.31             | 5.41             | 3799.37                                |
| MW - 1 | 06/30/11      | 3859.08                     | 59.00               | 63.88             | 4.88             | 3799.35                                |
| MW - 1 | 07/06/11      | 3859.08                     | 59.34               | 63.70             | 4.36             | 3799.09                                |
| MW - 1 | 07/13/11      | 3859.08                     | 59.28               | 62.80             | 3.52             | 3799.27                                |
| MW - 1 | 07/19/11      | 3859.08                     | 59.39               | 61.44             | 2.05             | 3799.38                                |
| MW - 1 | 07/26/11      | 3859.08                     | 59.31               | 60.91             | 1.60             | 3799.53                                |
| MW - 1 | 08/12/11      | 3859.08                     | 59.27               | 61.38             | 2.11             | 3799.49                                |
| MW - 1 | 08/16/11      | 3859.08                     | 59.39               | 60.55             | 1.16             | 3799.52                                |
| MW - 1 | 08/19/11      | 3859.08                     | 59.39               | 60.99             | 1.60             | 3799.45                                |
| MW - 1 | 08/23/11      | 3859.08                     | 59.41               | 60.52             | 1.11             | 3799.50                                |
| MW - 1 | 09/06/11      | 3859.08                     | 59.42               | 62.49             | 3.07             | 3799.20                                |
| MW - 1 | 09/13/11      | 3859.08                     | 59.43               | 60.81             | 1.38             | 3799.44                                |
| MW - 1 | 10/13/11      | 3859.08                     | 59.41               | 60.82             | 1.41             | 3799.46                                |
| MW - 1 | 11/15/11      | 3859.08                     | 59.38               | 61.45             | 2.07             | 3799.39                                |
| MW - 1 | 11/30/11      | 3859.08                     | 59.31               | 61.92             | 2.61             | 3799.38                                |
| MW - 1 | 01/24/12      | 3859.08                     | 59.59               | 62.55             | 2.96             | 3799.05                                |
| MW - 1 | 01/31/12      | 3859.08                     | 59.55               | 61.06             | 1.51             | 3799.30                                |
| MW - 1 | 02/08/12      | 3859.08                     | 59.50               | 60.79             | 1.29             | 3799.39                                |
| MW - 1 | 02/29/12      | 3859.08                     | 59.53               | 61.55             | 2.02             | 3799.25                                |
| MW - 1 | 03/09/12      | 3859.08                     | 59.74               | 60.60             | 0.86             | 3799.21                                |
| MW - 1 | 03/16/12      | 3859.08                     | 59.68               | 60.86             | 1.18             | 3799.22                                |
| MW - 1 | 03/21/12      | 3859.08                     | 59.79               | 60.42             | 0.63             | 3799.20                                |
| MW - 1 | 03/28/12      | 3859.08                     | 59.79               | 60.53             | 0.74             | 3799.18                                |
| MW - 1 | 04/04/12      | 3859.08                     | 59.75               | 60.55             | 0.80             | 3799.21                                |
| MW - 1 | 04/11/12      | 3859.08                     | 59.77               | 60.64             | 0.87             | 3799.18                                |
| MW - 1 | 04/18/12      | 3859.08                     | 59.78               | 60.62             | 0.84             | 3799.17                                |
| MW - 1 | 04/25/12      | 3859.08                     | 59.78               | 60.60             | 0.82             | 3799.18                                |
| MW - 1 | 05/01/12      | 3859.08                     | 59.77               | 60.73             | 0.96             | 3799.17                                |
| MW - 1 | 05/09/12      | 3859.08                     | 59.78               | 60.60             | 0.82             | 3799.18                                |
| MW - 1 | 06/07/12      | 3859.08                     | 59.60               | 61.85             | 2.25             | 3799.14                                |
| MW - 1 | 06/20/12      | 3859.08                     | 59.55               | 62.44             | 2.89             | 3799.10                                |
| MW - 1 | 06/27/12      | 3859.08                     | 59.65               | 61.90             | 2.25             | 3799.09                                |
| MW - 1 | 07/11/12      | 3859.08                     | 59.62               | 62.96             | 3.34             | 3798.96                                |
| MW - 1 | 08/10/12      | 3859.08                     | 60.12               | 61.08             | 0.96             | 3798.82                                |
| MW - 1 | 09/06/12      | 3859.08                     | 59.39               | 64.05             | 4.66             | 3798.99                                |
| MW - 1 | 10/04/12      | 3859.08                     | 59.65               | 63.29             | 3.64             | 3798.88                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 10/12/12      | 3859.08                     | 59.98               | 61.16             | 1.18             | 3798.92                                |
| MW - 1 | 10/18/12      | 3859.08                     | 59.96               | 61.46             | 1.50             | 3798.90                                |
| MW - 1 | 10/25/12      | 3859.08                     | 60.08               | 60.73             | 0.65             | 3798.90                                |
| MW - 1 | 10/31/12      | 3859.08                     | 60.04               | 60.83             | 0.79             | 3798.92                                |
| MW - 1 | 11/15/12      | 3859.08                     | 60.13               | 60.43             | 0.30             | 3798.91                                |
| MW - 1 | 11/27/12      | 3859.08                     | 60.10               | 60.81             | 0.71             | 3798.87                                |
| MW - 1 | 12/19/12      | 3859.08                     | 60.02               | 61.45             | 1.43             | 3798.85                                |
| MW - 1 | 01/17/13      | 3859.08                     | 59.92               | 62.16             | 2.24             | 3798.82                                |
| MW - 1 | 01/31/13      | 3859.08                     | 59.89               | 62.41             | 2.52             | 3798.81                                |
| MW - 1 | 02/21/13      | 3859.08                     | 59.88               | 62.69             | 2.81             | 3798.78                                |
| MW - 1 | 03/05/13      | 3859.08                     | 59.86               | 62.94             | 3.08             | 3798.76                                |
| MW - 1 | 03/21/13      | 3859.08                     | 59.89               | 62.64             | 2.75             | 3798.78                                |
| MW - 1 | 04/04/13      | 3859.08                     | 59.92               | 62.76             | 2.84             | 3798.73                                |
| MW - 1 | 04/11/13      | 3859.08                     | 60.29               | 60.57             | 0.28             | 3798.75                                |
| MW - 1 | 04/18/13      | 3859.08                     | 60.30               | 60.67             | 0.37             | 3798.72                                |
| MW - 1 | 04/25/13      | 3859.08                     | 60.26               | 60.82             | 0.56             | 3798.74                                |
| MW - 1 | 05/01/13      | 3859.08                     | 60.26               | 60.89             | 0.63             | 3798.73                                |
| MW - 1 | 05/10/13      | 3859.08                     | 60.26               | 60.91             | 0.65             | 3798.72                                |
| MW - 1 | 05/15/13      | 3859.08                     | 60.24               | 60.81             | 0.57             | 3798.75                                |
| MW - 1 | 05/24/13      | 3859.08                     | 60.23               | 61.28             | 1.05             | 3798.69                                |
| MW - 1 | 05/30/13      | 3859.08                     | 60.29               | 60.90             | 0.61             | 3798.70                                |
| MW - 1 | 06/06/13      | 3859.08                     | 60.30               | 60.89             | 0.59             | 3798.69                                |
| MW - 1 | 06/14/13      | 3859.08                     | 60.29               | 60.98             | 0.69             | 3798.69                                |
| MW - 1 | 06/20/13      | 3859.08                     | 60.35               | 60.70             | 0.35             | 3798.68                                |
| MW - 1 | 06/27/13      | 3859.08                     | 60.32               | 60.68             | 0.36             | 3798.71                                |
| MW - 1 | 07/03/13      | 3859.08                     | 60.34               | 60.84             | 0.50             | 3798.67                                |
| MW - 1 | 07/10/13      | 3859.08                     | 60.37               | 60.73             | 0.36             | 3798.66                                |
| MW - 1 | 07/25/13      | 3859.08                     | 60.35               | 60.91             | 0.56             | 3798.65                                |
| MW - 1 | 07/31/13      | 3859.08                     | 60.54               | 60.63             | 0.09             | 3798.53                                |
| MW - 1 | 08/20/13      | 3859.08                     | 60.38               | 60.81             | 0.43             | 3798.64                                |
| MW - 1 | 08/29/13      | 3859.08                     | 60.32               | 61.02             | 0.70             | 3798.66                                |
| MW - 1 | 09/09/13      | 3859.08                     | 60.33               | 61.31             | 0.98             | 3798.60                                |
| MW - 1 | 09/18/13      | 3859.08                     | 60.34               | 61.21             | 0.87             | 3798.61                                |
| MW - 1 | 09/27/13      | 3859.08                     | 60.36               | 61.12             | 0.76             | 3798.61                                |
| MW - 1 | 10/02/13      | 3859.08                     | 60.39               | 61.09             | 0.70             | 3798.59                                |
| MW - 1 | 10/08/13      | 3859.08                     | 60.38               | 60.95             | 0.57             | 3798.61                                |
| MW - 1 | 10/16/13      | 3859.08                     | 60.38               | 61.01             | 0.63             | 3798.61                                |
| MW - 1 | 10/24/13      | 3859.08                     | 60.34               | 61.18             | 0.84             | 3798.61                                |
| MW - 1 | 10/31/13      | 3859.08                     | 60.38               | 61.05             | 0.67             | 3798.60                                |
| MW - 1 | 11/11/13      | 3859.08                     | 60.40               | 61.10             | 0.70             | 3798.58                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 12/11/13      | 3859.08                     | 60.43               | 61.30             | 0.87             | 3798.52                                |
| MW - 1 | 12/17/13      | 3859.08                     | 60.40               | 61.46             | 1.06             | 3798.52                                |
| MW - 1 | 01/03/14      | 3859.08                     | 60.45               | 61.47             | 1.02             | 3798.48                                |
| MW - 1 | 01/09/14      | 3859.08                     | 60.43               | 61.28             | 0.85             | 3798.52                                |
| MW - 1 | 01/15/14      | 3859.08                     | 60.45               | 61.22             | 0.77             | 3798.51                                |
| MW - 1 | 01/22/14      | 3859.08                     | 60.44               | 61.40             | 0.96             | 3798.50                                |
| MW - 1 | 01/29/14      | 3859.08                     | 60.39               | 61.36             | 0.97             | 3798.54                                |
| MW - 1 | 02/20/14      | 3859.08                     | 60.34               | 61.85             | 1.51             | 3798.51                                |
| MW - 1 | 03/04/14      | 3859.08                     | 60.34               | 62.16             | 1.82             | 3798.47                                |
| MW - 1 | 03/11/14      | 3859.08                     | 60.35               | 62.30             | 1.95             | 3798.44                                |
| MW - 1 | 03/18/14      | 3859.08                     | 60.31               | 62.45             | 2.14             | 3798.45                                |
| MW - 1 | 03/29/14      | 3859.08                     | 60.36               | 62.19             | 1.83             | 3798.45                                |
| MW - 1 | 04/01/14      | 3859.08                     | 60.56               | 61.11             | 0.55             | 3798.44                                |
| MW - 1 | 04/08/14      | 3859.08                     | 60.54               | 61.15             | 0.61             | 3798.45                                |
| MW - 1 | 04/18/14      | 3859.08                     | 60.54               | 61.23             | 0.69             | 3798.44                                |
| MW - 1 | 04/23/14      | 3859.08                     | 60.58               | 61.10             | 0.52             | 3798.42                                |
| MW - 1 | 05/05/14      | 3859.08                     | 60.56               | 61.14             | 0.58             | 3798.43                                |
| MW - 1 | 05/16/14      | 3859.08                     | 60.59               | 61.25             | 0.66             | 3798.39                                |
| MW - 1 | 05/20/14      | 3859.08                     | 60.62               | 61.08             | 0.46             | 3798.39                                |
| MW - 1 | 05/30/14      | 3859.08                     | 60.56               | 61.43             | 0.87             | 3798.39                                |
| MW - 1 | 06/18/14      | 3859.08                     | 60.52               | 61.80             | 1.28             | 3798.37                                |
| MW - 1 | 06/27/14      | 3859.08                     | 60.58               | 61.50             | 0.92             | 3798.36                                |
| MW - 1 | 07/02/14      | 3859.08                     | 60.60               | 61.43             | 0.83             | 3798.36                                |
| MW - 1 | 07/10/14      | 3859.08                     | 60.55               | 61.22             | 0.67             | 3798.43                                |
| MW - 1 | 07/29/14      | 3859.08                     | 60.60               | 61.65             | 1.05             | 3798.32                                |
| MW - 1 | 07/30/14      | 3859.08                     | 60.60               | 61.65             | 1.05             | 3798.32                                |
| MW - 1 | 08/08/14      | 3859.08                     | 60.54               | 62.05             | 1.51             | 3798.31                                |
| MW - 1 | 08/19/14      | 3859.08                     | 60.51               | 62.02             | 1.51             | 3798.34                                |
| MW - 1 | 09/04/14      | 3859.08                     | 60.51               | 62.55             | 2.04             | 3798.26                                |
| MW - 1 | 09/11/14      | 3859.08                     | 60.65               | 61.80             | 1.15             | 3798.26                                |
| MW - 1 | 10/16/14      | 3859.08                     | 60.49               | 62.20             | 1.71             | 3798.33                                |
| MW - 1 | 10/22/12      | 3859.08                     | 60.62               | 61.50             | 0.88             | 3798.33                                |
| MW - 1 | 10/23/14      | 3859.08                     | 60.60               | 61.50             | 0.90             | 3798.35                                |
| MW - 1 | 11/24/14      | 3859.08                     | 60.55               | 62.20             | 1.65             | 3798.28                                |
| MW - 1 | 12/05/14      | 3859.08                     | 60.54               | 62.52             | 1.98             | 3798.24                                |
| MW - 1 | 12/12/14      | 3859.08                     | 61.50               | 62.70             | 1.20             | 3797.40                                |
| MW - 1 | 12/19/14      | 3859.08                     | 60.66               | 61.78             | 1.12             | 3798.25                                |
| MW - 1 | 01/07/15      | 3859.08                     | 60.66               | 62.04             | 1.38             | 3798.21                                |
| MW - 1 | 01/15/15      | 3859.08                     | 60.70               | 61.70             | 1.00             | 3798.23                                |
| MW - 1 | 02/05/15      | 3859.08                     | 60.64               | 62.08             | 1.44             | 3798.22                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 02/11/15      | 3859.08                     | 60.71               | 61.70             | 0.99             | 3798.22                                |
| MW - 1 | 02/20/15      | 3859.08                     | 60.66               | 62.08             | 1.42             | 3798.21                                |
| MW - 1 | 03/06/15      | 3859.08                     | 60.67               | 61.94             | 1.27             | 3798.22                                |
| MW - 1 | 03/11/15      | 3859.08                     | 60.74               | 61.71             | 0.97             | 3798.19                                |
| MW - 1 | 03/13/15      | 3859.08                     | 61.72               | 62.79             | 1.07             | 3797.20                                |
| MW - 1 | 03/17/15      | 3859.08                     | 60.78               | 61.58             | 0.80             | 3798.18                                |
| MW - 1 | 04/01/15      | 3859.08                     | 61.72               | 62.85             | 1.13             | 3797.19                                |
| MW - 1 | 04/09/15      | 3859.08                     | 60.78               | 61.76             | 0.98             | 3798.15                                |
| MW - 1 | 04/15/15      | 3859.08                     | 60.79               | 61.52             | 0.73             | 3798.18                                |
| MW - 1 | 04/17/15      | 3859.08                     | 60.87               | 61.27             | 0.40             | 3798.15                                |
| MW - 1 | 04/28/15      | 3859.08                     | 60.81               | 61.74             | 0.93             | 3798.13                                |
| MW - 1 | 05/19/15      | 3859.08                     | 60.74               | 62.11             | 1.37             | 3798.13                                |
| MW - 1 | 06/02/15      | 3859.08                     | 60.68               | 62.53             | 1.85             | 3798.12                                |
| MW - 1 | 06/11/15      | 3859.08                     | 60.83               | 61.80             | 0.97             | 3798.10                                |
| MW - 1 | 06/17/15      | 3859.08                     | 60.85               | 61.65             | 0.80             | 3798.11                                |
| MW - 1 | 06/25/15      | 3859.08                     | 60.85               | 61.70             | 0.85             | 3798.10                                |
| MW - 1 | 07/01/15      | 3859.08                     | 60.89               | 61.56             | 0.67             | 3798.09                                |
| MW - 1 | 07/08/15      | 3859.08                     | 60.89               | 61.59             | 0.70             | 3798.09                                |
| MW - 1 | 07/15/15      | 3859.08                     | 60.90               | 61.60             | 0.70             | 3798.08                                |
| MW - 1 | 07/22/15      | 3859.08                     | 60.74               | 62.09             | 1.35             | 3798.14                                |
| MW - 1 | 07/29/15      | 3859.08                     | 60.80               | 62.15             | 1.35             | 3798.08                                |
| MW - 1 | 07/31/15      | 3859.08                     | 60.91               | 61.58             | 0.67             | 3798.07                                |
| MW - 1 | 08/06/15      | 3859.08                     | 60.87               | 61.84             | 0.97             | 3798.06                                |
| MW - 1 | 08/12/15      | 3859.08                     | 60.90               | 61.71             | 0.81             | 3798.06                                |
| MW - 1 | 08/17/15      | 3859.08                     | 60.87               | 61.78             | 0.91             | 3798.07                                |
| MW - 1 | 08/19/15      | 3859.08                     | 60.82               | 60.91             | 0.09             | 3798.25                                |
| MW - 1 | 08/27/15      | 3859.08                     | 60.90               | 61.82             | 0.92             | 3798.04                                |
| MW - 1 | 09/03/15      | 3859.08                     | 60.95               | 61.52             | 0.57             | 3798.04                                |
| MW - 1 | 09/09/15      | 3859.08                     | 60.96               | 61.38             | 0.42             | 3798.06                                |
| MW - 1 | 09/11/15      | 3859.08                     | 61.03               | 61.23             | 0.20             | 3798.02                                |
| MW - 1 | 09/15/15      | 3859.08                     | 60.98               | 61.40             | 0.42             | 3798.04                                |
| MW - 1 | 09/22/15      | 3859.08                     | 60.96               | 61.55             | 0.59             | 3798.03                                |
| MW - 1 | 09/30/15      | 3859.08                     | 60.95               | 61.68             | 0.73             | 3798.02                                |
| MW - 1 | 10/06/15      | 3859.08                     | 60.97               | 61.66             | 0.69             | 3798.01                                |
| MW - 1 | 10/13/15      | 3859.08                     | 60.99               | 61.52             | 0.53             | 3798.01                                |
| MW - 1 | 10/22/15      | 3859.08                     | 61.01               | 61.57             | 0.56             | 3797.99                                |
| MW - 1 | 10/27/15      | 3859.08                     | 61.00               | 61.59             | 0.59             | 3797.99                                |
| MW - 1 | 11/11/15      | 3859.08                     | 60.96               | 61.93             | 0.97             | 3797.97                                |
| MW - 1 | 11/18/15      | 3859.08                     | 60.98               | 62.09             | 1.11             | 3797.93                                |
| MW - 1 | 12/03/15      | 3859.08                     | 60.87               | 62.67             | 1.80             | 3797.94                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED     | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|-------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 12/10/15          | 3859.08                     | 60.94               | 62.30             | 1.36             | 3797.94                                |
| MW - 1 | 12/22/15          | 3859.08                     | 60.92               | 62.30             | 1.38             | 3797.95                                |
| MW - 1 | 01/08/16          | 3859.08                     | 60.96               | 62.38             | 1.42             | 3797.91                                |
| MW - 1 | 01/14/16          | 3859.08                     | 60.93               | 62.43             | 1.50             | 3797.93                                |
| MW - 1 | 01/28/16          | 3859.08                     | 60.91               | 62.63             | 1.72             | 3797.91                                |
| MW - 1 | 02/02/16          | 3859.08                     | 61.12               | 61.51             | 0.39             | 3797.90                                |
| MW - 1 | 02/09/16          | 3859.08                     | 61.08               | 61.79             | 0.71             | 3797.89                                |
| MW - 1 | 03/02/16          | 3859.08                     | 60.95               | 62.60             | 1.65             | 3797.88                                |
| MW - 1 | 03/09/16          | 3859.08                     | 61.08               | 61.98             | 0.90             | 3797.87                                |
| MW - 1 | 03/17/16          | 3859.08                     | 61.04               | 62.30             | 1.26             | 3797.85                                |
| MW - 1 | 04/06/16          | 3859.08                     | 61.06               | 62.17             | 1.11             | 3797.85                                |
| MW - 1 | 04/13/16          | 3859.08                     | 61.15               | 61.67             | 0.52             | 3797.85                                |
| MW - 1 | 04/20/16          | 3859.08                     | 61.07               | 61.96             | 0.89             | 3797.88                                |
| MW - 1 | 04/27/16          | 3859.08                     | 61.17               | 61.66             | 0.49             | 3797.84                                |
| MW - 1 | 04/28/16          | 3859.08                     | 61.17               | 61.66             | 0.49             | 3797.84                                |
| MW - 1 | 05/05/16          | 3859.08                     | 61.18               | 61.70             | 0.52             | 3797.82                                |
| MW - 1 | 05/10/16          | 3859.08                     | 61.18               | 62.96             | 1.78             | 3797.63                                |
| MW - 1 | 06/08/16          | 3859.08                     | 61.03               | 63.33             | 2.30             | 3797.71                                |
| MW - 1 | 06/15/16          | 3859.08                     | 61.22               | 61.70             | 0.48             | 3797.79                                |
| MW - 1 | 06/21/16          | 3859.08                     | 61.20               | 61.82             | 0.62             | 3797.79                                |
| MW - 1 | 06/30/16          | 3859.08                     | 61.18               | 62.04             | 0.86             | 3797.77                                |
| MW - 1 | 07/01/16          | 3859.08                     | 61.18               | 62.04             | 0.86             | 3797.77                                |
| MW - 1 | 07/07/16          | 3859.08                     | 61.24               | 61.86             | 0.62             | 3797.75                                |
| MW - 1 | 07/15/16          | 3859.08                     | 61.23               | 61.93             | 0.70             | 3797.75                                |
| MW - 1 | 07/21/16          | 3859.08                     | 61.23               | 61.99             | 0.76             | 3797.74                                |
| MW - 1 | 07/28/16          | 3859.08                     | 61.25               | 61.91             | 0.66             | 3797.73                                |
| MW - 1 | 08/09/16          | 3859.08                     | 61.21               | 62.25             | 1.04             | 3797.71                                |
| MW - 1 | 08/12/16          | 3859.08                     | 61.19               | 62.35             | 1.16             | 3797.72                                |
| MW - 1 | 08/16/16          | 3859.08                     | 61.24               | 62.04             | 0.80             | 3797.72                                |
| MW - 1 | 08/25/16          | 3859.08                     | 61.25               | 62.06             | 0.81             | 3797.71                                |
| MW - 1 | 09/01/16          | 3859.08                     | 61.28               | 61.95             | 0.67             | 3797.70                                |
| MW - 1 | 09/08/16          | 3859.08                     | 61.23               | 62.27             | 1.04             | 3797.69                                |
| MW - 1 | 9/14/16-9/15/2016 | 3859.08                     | 61.24               | 62.26             | 1.02             | 3797.69                                |
| MW - 1 | 09/22/16          | 3859.08                     | 61.27               | 62.19             | 0.92             | 3797.67                                |
| MW - 1 | 09/29/16          | 3859.08                     | 61.30               | 62.17             | 0.87             | 3797.65                                |
| MW - 1 | 10/06/16          | 3859.08                     | 61.31               | 62.12             | 0.81             | 3797.65                                |
| MW - 1 | 10/13/16          | 3859.08                     | 61.33               | 62.17             | 0.84             | 3797.62                                |
| MW - 1 | 10/20/16          | 3859.08                     | 61.36               | 62.03             | 0.67             | 3797.62                                |
| MW - 1 | 10/27/16          | 3859.08                     | 61.35               | 62.04             | 0.69             | 3797.63                                |
| MW - 1 | 11/10/16          | 3859.08                     | 61.32               | 62.44             | 1.12             | 3797.59                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 11/16/16      | 3859.08                     | 61.28               | 62.70             | 1.42             | 3797.59                                |
| MW - 1 | 11/23/16      | 3859.08                     | 61.25               | 62.95             | 1.70             | 3797.58                                |
| MW - 1 | 12/09/16      | 3859.08                     | 61.23               | 63.13             | 1.90             | 3797.57                                |
| MW - 1 | 12/14/16      | 3859.08                     | 61.23               | 63.33             | 2.10             | 3797.54                                |
| MW - 1 | 12/28/16      | 3859.08                     | 61.16               | 63.78             | 2.62             | 3797.53                                |
| MW - 1 | 01/05/17      | 3859.08                     | 61.42               | 62.45             | 1.03             | 3797.51                                |
| MW - 1 | 01/12/17      | 3859.08                     | 61.40               | 62.55             | 1.15             | 3797.51                                |
| MW - 1 | 01/19/17      | 3859.08                     | 61.45               | 62.24             | 0.79             | 3797.51                                |
| MW - 1 | 01/20/17      | 3859.08                     | 61.45               | 62.24             | 0.79             | 3797.51                                |
| MW - 1 | 01/25/17      | 3859.08                     | 61.48               | 62.26             | 0.78             | 3797.48                                |
| MW - 1 | 02/02/17      | 3859.08                     | 61.49               | 62.25             | 0.76             | 3797.48                                |
| MW - 1 | 02/09/17      | 3859.08                     | 61.48               | 62.25             | 0.77             | 3797.48                                |
| MW - 1 | 02/17/17      | 3859.08                     | 61.51               | 62.33             | 0.82             | 3797.45                                |
| MW - 1 | 02/22/17      | 3859.08                     | 61.52               | 62.30             | 0.78             | 3797.44                                |
| MW - 1 | 03/02/17      | 3859.08                     | 61.48               | 62.70             | 1.22             | 3797.42                                |
| MW - 1 | 03/09/17      | 3859.08                     | 61.53               | 62.36             | 0.83             | 3797.43                                |
| MW - 1 | 03/16/17      | 3859.08                     | 61.55               | 62.38             | 0.83             | 3797.41                                |
| MW - 1 | 03/23/17      | 3859.08                     | 61.54               | 62.26             | 0.72             | 3797.43                                |
| MW - 1 | 03/30/17      | 3859.08                     | 61.55               | 62.50             | 0.95             | 3797.39                                |
| MW - 1 | 04/06/17      | 3859.08                     | 61.57               | 62.44             | 0.87             | 3797.38                                |
| MW - 1 | 04/12/17      | 3859.08                     | 61.61               | 62.38             | 0.77             | 3797.35                                |
| MW - 1 | 04/20/17      | 3859.08                     | 61.58               | 62.42             | 0.84             | 3797.37                                |
| MW - 1 | 04/27/17      | 3859.08                     | 61.63               | 62.33             | 0.70             | 3797.35                                |
| MW - 1 | 05/03/17      | 3859.08                     | 62.26               | 62.95             | 0.69             | 3796.72                                |
| MW - 1 | 05/11/17      | 3859.08                     | 61.65               | 62.39             | 0.74             | 3797.32                                |
| MW - 1 | 05/17/17      | 3859.08                     | 61.66               | 62.33             | 0.67             | 3797.32                                |
| MW - 1 | 05/26/17      | 3859.08                     | 61.63               | 62.81             | 1.18             | 3797.27                                |
| MW - 1 | 06/02/17      | 3859.08                     | 61.56               | 63.11             | 1.55             | 3797.29                                |
| MW - 1 | 06/08/17      | 3859.08                     | 61.67               | 62.52             | 0.85             | 3797.28                                |
| MW - 1 | 06/09/17      | 3859.08                     | 61.67               | 62.52             | 0.85             | 3797.28                                |
| MW - 1 | 06/14/17      | 3859.08                     | 61.70               | 62.40             | 0.70             | 3797.28                                |
| MW - 1 | 06/21/17      | 3859.08                     | 61.71               | 62.37             | 0.66             | 3797.27                                |
| MW - 1 | 06/30/17      | 3859.08                     | 61.74               | 62.40             | 0.66             | 3797.24                                |
| MW - 1 | 07/06/17      | 3859.08                     | 61.74               | 62.53             | 0.79             | 3797.22                                |
| MW - 1 | 07/13/17      | 3859.08                     | 61.74               | 62.63             | 0.89             | 3797.21                                |
| MW - 1 | 07/19/17      | 3859.08                     | 61.80               | 62.29             | 0.49             | 3797.21                                |
| MW - 1 | 07/23/17      | 3859.08                     | 61.80               | 62.26             | 0.46             | 3797.21                                |
| MW - 1 | 07/26/17      | 3859.08                     | 61.67               | 65.40             | 3.73             | 3796.85                                |
| MW - 1 | 08/23/17      | 3859.08                     | 61.65               | 63.48             | 1.83             | 3797.16                                |
| MW - 1 | 08/31/17      | 3859.08                     | 61.62               | 63.78             | 2.16             | 3797.14                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 09/20/17      | 3859.08                     | 61.66               | 63.81             | 2.15             | 3797.10                                |
| MW - 1 | 09/28/17      | 3859.08                     | 61.90               | 62.65             | 0.75             | 3797.07                                |
| MW - 1 | 10/05/17      | 3859.08                     | 61.89               | 62.78             | 0.89             | 3797.06                                |
| MW - 1 | 10/10/17      | 3859.08                     | 61.96               | 62.43             | 0.47             | 3797.05                                |
| MW - 1 | 10/12/17      | 3859.08                     | 61.92               | 62.53             | 0.61             | 3797.07                                |
| MW - 1 | 10/19/17      | 3859.08                     | 61.94               | 62.55             | 0.61             | 3797.05                                |
| MW - 1 | 11/02/17      | 3859.08                     | 61.91               | 62.84             | 0.93             | 3797.03                                |
| MW - 1 | 11/17/17      | 3859.08                     | 61.90               | 63.12             | 1.22             | 3797.00                                |
| MW - 1 | 11/22/17      | 3859.08                     | 61.94               | 63.15             | 1.21             | 3796.96                                |
| MW - 1 | 11/29/17      | 3859.08                     | 61.88               | 63.33             | 1.45             | 3796.98                                |
| MW - 1 | 12/20/17      | 3859.08                     | 61.79               | 64.05             | 2.26             | 3796.95                                |
| MW - 1 | 01/08/18      | 3859.08                     | 62.07               | 62.58             | 0.51             | 3796.93                                |
| MW - 1 | 01/18/18      | 3859.08                     | 62.06               | 62.87             | 0.81             | 3796.90                                |
| MW - 1 | 01/25/18      | 3859.08                     | 62.09               | 62.85             | 0.76             | 3796.88                                |
| MW - 1 | 02/01/18      | 3859.08                     | 62.16               | 62.74             | 0.58             | 3796.83                                |
| MW - 1 | 02/14/18      | 3859.08                     | 62.08               | 62.98             | 0.90             | 3796.87                                |
| MW - 1 | 03/01/18      | 3859.08                     | 62.04               | 63.61             | 1.57             | 3796.80                                |
| MW - 1 | 03/08/18      | 3859.08                     | 62.10               | 63.23             | 1.13             | 3796.81                                |
| MW - 1 | 03/22/18      | 3859.08                     | 62.13               | 63.18             | 1.05             | 3796.79                                |
| MW - 1 | 04/05/18      | 3859.08                     | 62.20               | 62.90             | 0.70             | 3796.78                                |
| MW - 1 | 04/12/18      | 3859.08                     | 62.23               | 62.71             | 0.48             | 3796.78                                |
| MW - 1 | 04/26/18      | 3859.08                     | 62.20               | 63.14             | 0.94             | 3796.74                                |
| MW - 1 | 04/30/18      | 3859.08                     | 62.28               | 62.72             | 0.44             | 3796.73                                |
| MW - 1 | 05/03/18      | 3859.08                     | 62.25               | 62.86             | 0.61             | 3796.74                                |
| MW - 1 | 05/08/18      | 3859.08                     | 62.25               | 62.91             | 0.66             | 3796.73                                |
| MW - 1 | 05/10/18      | 3859.08                     | 62.25               | 62.91             | 0.66             | 3796.73                                |
| MW - 1 | 05/17/18      | 3859.08                     | 62.22               | 63.20             | 0.98             | 3796.71                                |
| MW - 1 | 05/24/18      | 3859.08                     | 62.21               | 63.41             | 1.20             | 3796.69                                |
| MW - 1 | 06/21/18      | 3859.08                     | 62.23               | 63.68             | 1.45             | 3796.63                                |
| MW - 1 | 07/05/18      | 3859.08                     | 62.38               | 62.71             | 0.33             | 3796.65                                |
| MW - 1 | 07/06/18      | 3859.08                     | 62.38               | 62.71             | 0.33             | 3796.65                                |
| MW - 1 | 07/12/18      | 3859.08                     | 62.41               | 62.83             | 0.42             | 3796.61                                |
| MW - 1 | 07/18/18      | 3859.08                     | 62.42               | 62.75             | 0.33             | 3796.61                                |
| MW - 1 | 07/26/18      | 3859.08                     | 62.42               | 62.78             | 0.36             | 3796.61                                |
| MW - 1 | 08/02/18      | 3859.08                     | 62.41               | 63.03             | 0.62             | 3796.58                                |
| MW - 1 | 08/16/18      | 3859.08                     | 62.40               | 63.01             | 0.61             | 3796.59                                |
| MW - 1 | 08/30/18      | 3859.08                     | 62.43               | 63.11             | 0.68             | 3796.55                                |
| MW - 1 | 09/13/18      | 3859.08                     | 62.47               | 63.10             | 0.63             | 3796.52                                |
| MW - 1 | 09/20/18      | 3859.08                     | 62.51               | 62.94             | 0.43             | 3796.51                                |
| MW - 1 | 09/24/18      | 3859.08                     | 63.52               | 65.28             | 1.76             | 3795.30                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 10/18/18      | 3859.08                     | 62.50               | 63.40             | 0.90             | 3796.45                                |
| MW - 1 | 10/25/18      | 3859.08                     | 62.52               | 63.20             | 0.68             | 3796.46                                |
| MW - 1 | 11/16/18      | 3859.08                     | 62.56               | 63.19             | 0.63             | 3796.43                                |
| MW - 1 | 11/20/18      | 3859.08                     | 62.63               | 62.83             | 0.20             | 3796.42                                |
| MW - 1 | 11/29/18      | 3859.08                     | 62.60               | 62.87             | 0.27             | 3796.44                                |
| MW - 1 | 12/06/18      | 3859.08                     | 62.62               | 63.09             | 0.47             | 3796.39                                |
| MW - 1 | 12/11/18      | 3859.08                     | 62.67               | 62.83             | 0.16             | 3796.39                                |
| MW - 1 | 12/18/18      | 3859.08                     | 62.65               | 62.86             | 0.21             | 3796.40                                |
| MW - 1 | 12/27/18      | 3859.08                     | 62.65               | 63.03             | 0.38             | 3796.37                                |
| MW - 1 | 01/04/19      | 3859.08                     | 62.66               | 62.95             | 0.29             | 3796.38                                |
| MW - 1 | 01/17/19      | 3859.08                     | 62.67               | 63.12             | 0.45             | 3796.34                                |
| MW - 1 | 01/30/19      | 3859.08                     | 62.64               | 63.32             | 0.68             | 3796.34                                |
| MW - 1 | 02/21/19      | 3859.08                     | 62.68               | 63.39             | 0.71             | 3796.29                                |
| MW - 1 | 03/12/19      | 3859.08                     | 62.65               | 63.60             | 0.95             | 3796.29                                |
| MW - 1 | 04/02/19      | 3859.08                     | 62.75               | 63.18             | 0.43             | 3796.27                                |
| MW - 1 | 04/04/19      | 3859.08                     | 62.78               | 63.09             | 0.31             | 3796.25                                |
| MW - 1 | 04/11/19      | 3859.08                     | 62.79               | 63.21             | 0.42             | 3796.23                                |
| MW - 1 | 04/24/19      | 3859.08                     | 63.80               | 65.81             | 2.01             | 3794.98                                |
| MW - 1 | 04/26/19      | 3859.08                     | 62.82               | 63.08             | 0.26             | 3796.22                                |
| MW - 1 | 05/29/19      | 3859.08                     | 62.82               | 63.42             | 0.60             | 3796.17                                |
| MW - 1 | 08/13/19      | 3859.08                     | 62.87               | 64.17             | 1.30             | 3796.02                                |
| MW - 1 | 08/28/19      | 3859.08                     | 62.92               | 64.00             | 1.08             | 3796.00                                |
| MW - 1 | 10/01/19      | 3859.08                     | 62.97               | 64.24             | 1.27             | 3795.92                                |
| MW - 1 | 10/07/19      | 3859.08                     | 63.02               | 63.80             | 0.78             | 3795.94                                |
| MW - 1 | 10/29/19      | 3859.08                     | 63.10               | 63.90             | 0.80             | 3795.86                                |
| MW - 1 | 01/30/20      | 3859.08                     | 63.21               | 64.35             | 1.14             | 3795.70                                |
| MW - 1 | 02/07/20      | 3859.08                     | 63.35               | 63.75             | 0.40             | 3795.67                                |
| MW - 1 | 03/18/20      | 3859.08                     | 63.39               | 63.78             | 0.39             | 3795.63                                |
| MW - 1 | 05/13/20      | 3859.08                     | 63.47               | 64.00             | 0.53             | 3795.53                                |
| MW - 1 | 05/19/20      | 3859.08                     | 63.49               | 64.04             | 0.55             | 3795.51                                |
| MW - 1 | 06/10/20      | 3859.08                     | 63.55               | 63.75             | 0.20             | 3795.50                                |
| MW - 1 | 07/16/20      | 3859.08                     | 63.61               | 63.88             | 0.27             | 3795.43                                |
| MW - 1 | 08/07/20      | 3859.08                     | 63.65               | 63.96             | 0.31             | 3795.38                                |
| MW - 1 | 08/21/20      | 3859.08                     | 63.70               | 63.87             | 0.17             | 3795.35                                |
| MW - 1 | 08/26/20      | 3859.08                     | 63.71               | 63.81             | 0.10             | 3795.36                                |
| MW - 1 | 09/03/20      | 3859.08                     | 63.73               | 64.09             | 0.36             | 3795.30                                |
| MW - 1 | 10/08/20      | 3859.08                     | 63.75               | 63.85             | 0.10             | 3795.32                                |
| MW - 1 | 10/20/20      | 3859.08                     | 63.76               | 63.82             | 0.06             | 3795.31                                |
| MW - 1 | 11/19/20      | 3859.08                     | 63.80               | 63.90             | 0.10             | 3795.27                                |
| MW - 1 | 12/18/20      | 3859.08                     | 63.85               | 63.95             | 0.10             | 3795.22                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 1 | 12/29/20      | 3859.08                     | 63.86               | 63.94             | 0.08             | 3795.21                                |
| MW - 1 | 01/20/21      | 3859.08                     | 63.91               | 63.95             | 0.04             | 3795.16                                |
| MW - 1 | 01/28/21      | 3859.08                     | -                   | 64.00             | 0.00             | 3795.08                                |
| MW - 1 | 03/02/21      | 3859.08                     | -                   | 64.07             | 0.00             | 3795.01                                |
| MW - 1 | 03/11/21      | 3859.08                     | -                   | 64.05             | 0.00             | 3795.03                                |
| MW - 1 | 03/24/21      | 3859.08                     | -                   | 64.05             | 0.00             | 3795.03                                |
| MW - 1 | 06/23/21      | 3859.08                     | -                   | 64.26             | 0.00             | 3794.82                                |
| MW - 1 | 07/23/21      | 3859.08                     | -                   | 64.32             | 0.00             | 3794.76                                |
| MW - 1 | 08/05/21      | 3859.08                     | -                   | 64.38             | 0.00             | 3794.70                                |
| MW - 1 | 08/20/21      | 3859.08                     | -                   | 64.32             | 0.00             | 3794.76                                |
| MW - 1 | 09/09/21      | 3859.08                     | 64.32               | 64.35             | 0.03             | 3794.76                                |
| MW - 1 | 09/17/21      | 3859.08                     | 64.32               | 64.35             | 0.03             | 3794.76                                |
| MW - 1 | 10/07/21      | 3859.08                     | -                   | 64.40             | 0.00             | 3794.68                                |
| MW - 1 | 10/26/21      | 3859.08                     | -                   | 64.47             | 0.00             | 3794.61                                |
| MW - 1 | 12/15/21      | 3859.08                     | 64.50               | 64.52             | 0.02             | 3794.58                                |
| MW - 1 | 12/29/21      | 3859.08                     | 64.64               | 64.65             | 0.01             | 3794.44                                |
| MW - 1 | 01/06/22      | 3859.08                     | -                   | 64.71             | 0.00             | 3794.37                                |
| MW - 1 | 02/10/22      | 3859.08                     | 64.65               | 64.66             | 0.01             | 3794.43                                |
| MW - 1 | 02/18/22      | 3859.08                     | -                   | 64.62             | 0.00             | 3794.46                                |
| MW - 1 | 05/04/22      | 3859.08                     | -                   | 64.71             | 0.00             | 3794.37                                |
| MW - 1 | 07/27/22      | 3859.08                     | 64.80               | 64.84             | 0.04             | 3794.27                                |
| MW - 1 | 08/02/22      | 3859.08                     | 64.82               | 64.83             | 0.01             | 3794.26                                |
| MW - 1 | 10/27/22      | 3859.08                     | -                   | 65.02             | 0.00             | 3794.06                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 2 | 03/24/00      | 3860.76                     | -                   | 57.55             | 0.00             | 3803.21                                |
| MW - 2 | 06/14/00      | 3860.76                     | -                   | 58.05             | 0.00             | 3802.71                                |
| MW - 2 | 09/22/00      | 3860.76                     | -                   | 57.04             | 0.00             | 3803.72                                |
| MW - 2 | 12/28/00      | 3860.76                     | -                   | 57.32             | 0.00             | 3803.44                                |
| MW - 2 | 03/14/01      | 3860.76                     | -                   | 57.41             | 0.00             | 3803.35                                |
| MW - 2 | 06/06/01      | 3860.76                     | -                   | 57.58             | 0.00             | 3803.18                                |
| MW - 2 | 09/28/01      | 3860.76                     | -                   | 57.68             | 0.00             | 3803.08                                |
| MW - 2 | 11/17/01      | 3860.76                     | -                   | 58.00             | 0.00             | 3802.76                                |
| MW - 2 | 03/26/02      | 3860.76                     | -                   | 58.20             | 0.00             | 3802.56                                |
| MW - 2 | 06/26/02      | 3860.76                     | -                   | 58.12             | 0.00             | 3802.64                                |
| MW - 2 | 09/25/02      | 3860.76                     | -                   | 58.28             | 0.00             | 3802.48                                |
| MW - 2 | 12/10/02      | 3860.76                     | -                   | 58.30             | 0.00             | 3802.46                                |
| MW - 2 | 03/10/03      | 3860.76                     | -                   | 58.36             | 0.00             | 3802.40                                |
| MW - 2 | 06/09/03      | 3860.76                     | -                   | 58.46             | 0.00             | 3802.30                                |
| MW - 2 | 09/03/03      | 3860.76                     | -                   | 58.57             | 0.00             | 3802.19                                |
| MW - 2 | 12/08/03      | 3860.76                     | -                   | 58.55             | 0.00             | 3802.21                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 2 | 03/01/04      | 3860.76                     | -                   | 58.80             | 0.00             | 3801.96                                |
| MW - 2 | 05/19/04      | 3860.76                     | -                   | 58.54             | 0.00             | 3802.22                                |
| MW - 2 | 08/26/04      | 3860.76                     | -                   | 59.05             | 0.00             | 3801.71                                |
| MW - 2 | 12/09/04      | 3860.76                     | -                   | 57.16             | 0.00             | 3803.60                                |
| MW - 2 | 03/17/05      | 3860.76                     | -                   | 57.51             | 0.00             | 3803.25                                |
| MW - 2 | 06/15/05      | 3860.76                     | -                   | 57.86             | 0.00             | 3802.90                                |
| MW - 2 | 09/14/05      | 3860.76                     | -                   | 58.11             | 0.00             | 3802.65                                |
| MW - 2 | 12/13/05      | 3860.76                     | -                   | 58.36             | 0.00             | 3802.40                                |
| MW - 2 | 03/15/06      | 3860.76                     | -                   | 58.59             | 0.00             | 3802.17                                |
| MW - 2 | 06/14/06      | 3860.76                     | -                   | 58.81             | 0.00             | 3801.95                                |
| MW - 2 | 09/13/06      | 3860.76                     | -                   | 59.04             | 0.00             | 3801.72                                |
| MW - 2 | 12/05/06      | 3860.76                     | -                   | 59.00             | 0.00             | 3801.76                                |
| MW - 2 | 03/01/07      | 3860.76                     | -                   | 59.24             | 0.00             | 3801.52                                |
| MW - 2 | 05/24/07      | 3860.76                     | -                   | 59.36             | 0.00             | 3801.40                                |
| MW - 2 | 08/23/07      | 3860.76                     | -                   | 59.39             | 0.00             | 3801.37                                |
| MW - 2 | 11/08/07      | 3860.76                     | -                   | 59.32             | 0.00             | 3801.44                                |
| MW - 2 | 03/04/08      | 3860.76                     | -                   | 59.61             | 0.00             | 3801.15                                |
| MW - 2 | 06/11/08      | 3860.76                     | -                   | 59.71             | 0.00             | 3801.05                                |
| MW - 2 | 09/09/08      | 3860.76                     | -                   | 59.03             | 0.00             | 3801.73                                |
| MW - 2 | 12/11/08      | 3860.76                     | -                   | 59.76             | 0.00             | 3801.00                                |
| MW - 2 | 02/27/09      | 3860.76                     | -                   | 60.11             | 0.00             | 3800.65                                |
| MW - 2 | 05/21/09      | 3860.76                     | -                   | 60.11             | 0.00             | 3800.65                                |
| MW - 2 | 08/18/09      | 3860.76                     | -                   | 60.02             | 0.00             | 3800.74                                |
| MW - 2 | 12/09/09      | 3860.76                     | -                   | 59.96             | 0.00             | 3800.80                                |
| MW - 2 | 01/06/10      | 3860.76                     | -                   | 59.94             | 0.00             | 3800.82                                |
| MW - 2 | 02/22/10      | 3860.76                     | -                   | 60.04             | 0.00             | 3800.72                                |
| MW - 2 | 06/04/10      | 3860.76                     | -                   | 60.34             | 0.00             | 3800.42                                |
| MW - 2 | 08/26/10      | 3860.76                     | -                   | 60.34             | 0.00             | 3800.42                                |
| MW - 2 | 11/30/10      | 3860.76                     | -                   | 59.97             | 0.00             | 3800.79                                |
| MW - 2 | 03/08/11      | 3860.76                     | -                   | 59.96             | 0.00             | 3800.80                                |
| MW - 2 | 05/26/11      | 3860.76                     | -                   | 59.95             | 0.00             | 3800.81                                |
| MW - 2 | 08/18/11      | 3860.76                     | -                   | 60.32             | 0.00             | 3800.44                                |
| MW - 2 | 11/15/11      | 3860.76                     | -                   | 60.38             | 0.00             | 3800.38                                |
| MW - 2 | 02/29/12      | 3860.76                     | -                   | 60.58             | 0.00             | 3800.18                                |
| MW - 2 | 05/01/12      | 3860.76                     | -                   | 60.62             | 0.00             | 3800.14                                |
| MW - 2 | 08/10/12      | 3860.76                     | -                   | 60.98             | 0.00             | 3799.78                                |
| MW - 2 | 11/28/12      | 3860.76                     | -                   | 60.91             | 0.00             | 3799.85                                |
| MW - 2 | 02/21/13      | 3860.76                     | -                   | 60.99             | 0.00             | 3799.77                                |
| MW - 2 | 05/15/13      | 3860.76                     | -                   | 61.07             | 0.00             | 3799.69                                |
| MW - 2 | 08/20/13      | 3860.76                     | -                   | 61.16             | 0.00             | 3799.60                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 2 | 11/11/13      | 3860.76                     | -                   | 61.24             | 0.00             | 3799.52                                |
| MW - 2 | 02/19/14      | 3860.76                     | -                   | 61.32             | 0.00             | 3799.44                                |
| MW - 2 | 05/20/14      | 3860.76                     | -                   | 61.40             | 0.00             | 3799.36                                |
| MW - 2 | 07/29/14      | 3860.76                     | -                   | 61.68             | 0.00             | 3799.08                                |
| MW - 2 | 08/19/14      | 3860.76                     | -                   | 61.64             | 0.00             | 3799.12                                |
| MW - 2 | 10/30/14      | 3860.76                     | -                   | 61.59             | 0.00             | 3799.17                                |
| MW - 2 | 11/24/14      | 3860.76                     | -                   | 61.64             | 0.00             | 3799.12                                |
| MW - 2 | 02/10/15      | 3860.76                     | -                   | 61.55             | 0.00             | 3799.21                                |
| MW - 2 | 03/11/15      | 3860.76                     | -                   | 61.59             | 0.00             | 3799.17                                |
| MW - 2 | 04/17/15      | 3860.76                     | -                   | 61.92             | 0.00             | 3798.84                                |
| MW - 2 | 05/19/15      | 3860.76                     | -                   | 61.62             | 0.00             | 3799.14                                |
| MW - 2 | 07/31/15      | 3860.76                     | -                   | 61.73             | 0.00             | 3799.03                                |
| MW - 2 | 08/12/15      | 3860.76                     | -                   | 61.75             | 0.00             | 3799.01                                |
| MW - 2 | 09/11/15      | 3860.76                     | -                   | 61.79             | 0.00             | 3798.97                                |
| MW - 2 | 11/10/15      | 3860.76                     | -                   | 61.82             | 0.00             | 3798.94                                |
| MW - 2 | 02/02/16      | 3860.76                     | -                   | 61.92             | 0.00             | 3798.84                                |
| MW - 2 | 04/28/16      | 3860.76                     | -                   | 62.20             | 0.00             | 3798.56                                |
| MW - 2 | 05/10/16      | 3860.76                     | -                   | 62.00             | 0.00             | 3798.76                                |
| MW - 2 | 07/01/16      | 3860.76                     | -                   | 62.07             | 0.00             | 3798.69                                |
| MW - 2 | 07/29/16      | 3860.76                     | -                   | 62.10             | 0.00             | 3798.66                                |
| MW - 2 | 08/08/16      | 3860.76                     | -                   | 62.09             | 0.00             | 3798.67                                |
| MW - 2 | 09/15/16      | 3860.76                     | -                   | 62.29             | 0.00             | 3798.47                                |
| MW - 2 | 11/15/16      | 3860.76                     | -                   | 62.38             | 0.00             | 3798.38                                |
| MW - 2 | 12/14/16      | 3860.76                     | -                   | 62.44             | 0.00             | 3798.32                                |
| MW - 2 | 01/20/17      | 3860.76                     | -                   | 62.49             | 0.00             | 3798.27                                |
| MW - 2 | 02/21/17      | 3860.76                     | -                   | 62.50             | 0.00             | 3798.26                                |
| MW - 2 | 05/16/17      | 3860.76                     | -                   | 62.65             | 0.00             | 3798.11                                |
| MW - 2 | 06/09/17      | 3860.76                     | -                   | 62.70             | 0.00             | 3798.06                                |
| MW - 2 | 07/26/17      | 3860.76                     | -                   | 61.69             | 0.00             | 3799.07                                |
| MW - 2 | 08/22/17      | 3860.76                     | -                   | 62.82             | 0.00             | 3797.94                                |
| MW - 2 | 10/10/17      | 3860.76                     | -                   | 62.93             | 0.00             | 3797.83                                |
| MW - 2 | 11/27/17      | 3860.76                     | -                   | 62.97             | 0.00             | 3797.79                                |
| MW - 2 | 01/08/18      | 3860.76                     | -                   | 63.05             | 0.00             | 3797.71                                |
| MW - 2 | 02/13/18      | 3860.76                     | -                   | 63.09             | 0.00             | 3797.67                                |
| MW - 2 | 04/30/18      | 3860.76                     | -                   | 63.26             | 0.00             | 3797.50                                |
| MW - 2 | 05/16/18      | 3860.76                     | -                   | 63.24             | 0.00             | 3797.52                                |
| MW - 2 | 07/05/18      | 3860.76                     | -                   | 63.36             | 0.00             | 3797.40                                |
| MW - 2 | 07/26/18      | 3860.76                     | -                   | 63.41             | 0.00             | 3797.35                                |
| MW - 2 | 08/15/18      | 3860.76                     | -                   | 63.41             | 0.00             | 3797.35                                |
| MW - 2 | 11/27/18      | 3860.76                     | -                   | 63.36             | 0.00             | 3797.40                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 2 | 12/27/18      | 3860.76                     | -                   | 63.43             | 0.00             | 3797.33                                |
| MW - 2 | 01/17/19      | 3860.76                     | -                   | 63.47             | 0.00             | 3797.29                                |
| MW - 2 | 02/20/19      | 3860.76                     | -                   | 63.51             | 0.00             | 3797.25                                |
| MW - 2 | 04/04/19      | 3860.76                     | -                   | 63.59             | 0.00             | 3797.17                                |
| MW - 2 | 05/29/19      | 3860.76                     | -                   | 63.65             | 0.00             | 3797.11                                |
| MW - 2 | 08/27/19      | 3860.76                     | -                   | 64.20             | 0.00             | 3796.56                                |
| MW - 2 | 10/29/19      | 3860.76                     | -                   | 63.90             | 0.00             | 3796.86                                |
| MW - 2 | 03/17/20      | 3860.76                     | -                   | 64.18             | 0.00             | 3796.58                                |
| MW - 2 | 05/13/20      | 3860.76                     | 64.26               | 64.38             | 0.12             | 3796.48                                |
| MW - 2 | 05/19/20      | 3860.76                     | 64.26               | 64.41             | 0.15             | 3796.48                                |
| MW - 2 | 06/09/20      | 3860.76                     | 64.33               | 64.45             | 0.12             | 3796.41                                |
| MW - 2 | 07/16/20      | 3860.76                     | 64.36               | 64.58             | 0.22             | 3796.37                                |
| MW - 2 | 08/07/20      | 3860.76                     | 64.38               | 64.64             | 0.26             | 3796.34                                |
| MW - 2 | 08/21/20      | 3860.76                     | 64.42               | 64.59             | 0.17             | 3796.31                                |
| MW - 2 | 08/26/20      | 3860.76                     | 64.46               | 64.56             | 0.10             | 3796.29                                |
| MW - 2 | 09/03/20      | 3860.76                     | 64.47               | 64.57             | 0.10             | 3796.28                                |
| MW - 2 | 10/08/20      | 3860.76                     | 64.47               | 64.64             | 0.17             | 3796.26                                |
| MW - 2 | 10/20/20      | 3860.76                     | 64.49               | 64.58             | 0.09             | 3796.26                                |
| MW - 2 | 11/19/20      | 3860.76                     | 64.52               | 64.65             | 0.13             | 3796.22                                |
| MW - 2 | 12/18/20      | 3860.76                     | 64.57               | 64.68             | 0.11             | 3796.17                                |
| MW - 2 | 01/20/21      | 3860.76                     | 64.63               | 64.66             | 0.03             | 3796.13                                |
| MW - 2 | 01/28/21      | 3860.76                     | -                   | 65.04             | 0.00             | 3795.72                                |
| MW - 2 | 01/28/21      | 3860.76                     | -                   | 65.11             | 0.00             | 3795.65                                |
| MW - 2 | 03/11/21      | 3860.76                     | -                   | 64.79             | 0.00             | 3795.97                                |
| MW - 2 | 03/24/21      | 3860.76                     | -                   | 64.80             | 0.00             | 3795.96                                |
| MW - 2 | 06/23/21      | 3860.76                     | 65.01               | 65.05             | 0.04             | 3795.74                                |
| MW - 2 | 07/23/21      | 3860.76                     | 65.06               | 65.16             | 0.10             | 3795.69                                |
| MW - 2 | 08/05/21      | 3860.76                     | 65.10               | 65.22             | 0.12             | 3795.64                                |
| MW - 2 | 08/20/21      | 3860.76                     | 64.95               | 65.03             | 0.08             | 3795.80                                |
| MW - 2 | 09/09/21      | 3860.76                     | 64.99               | 65.06             | 0.07             | 3795.76                                |
| MW - 2 | 09/17/21      | 3860.76                     | 64.99               | 65.05             | 0.06             | 3795.76                                |
| MW - 2 | 10/07/21      | 3860.76                     | 65.04               | 65.09             | 0.05             | 3795.71                                |
| MW - 2 | 10/26/21      | 3860.76                     | 65.05               | 65.10             | 0.05             | 3795.70                                |
| MW - 2 | 11/23/21      | 3860.76                     | 65.09               | 65.20             | 0.11             | 3795.65                                |
| MW - 2 | 12/15/21      | 3860.76                     | 65.09               | 65.15             | 0.06             | 3795.66                                |
| MW - 2 | 12/29/21      | 3860.76                     | 65.11               | 65.20             | 0.09             | 3795.64                                |
| MW - 2 | 12/29/21      | 3860.76                     | 64.58               | 64.70             | 0.12             | 3796.16                                |
| MW - 2 | 01/06/22      | 3860.76                     | 65.20               | 65.26             | 0.06             | 3795.55                                |
| MW - 2 | 02/10/22      | 3860.76                     | 65.25               | 65.34             | 0.09             | 3795.50                                |
| MW - 2 | 02/18/22      | 3860.76                     | 65.15               | 65.24             | 0.09             | 3795.60                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 2 | 04/07/22      | 3860.76                     | 65.22               | 65.29             | 0.07             | 3795.53                                |
| MW - 2 | 05/04/22      | 3860.76                     | 65.28               | 65.32             | 0.04             | 3795.47                                |
| MW - 2 | 08/03/22      | 3860.76                     | 65.92               | 67.55             | 1.63             | 3794.60                                |
| MW - 2 | 10/27/22      | 3860.76                     | 65.51               | 65.71             | 0.20             | 3795.22                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 3 | 03/24/00      | 3861.15                     | -                   | 57.98             | 0.00             | 3803.17                                |
| MW - 3 | 06/14/00      | 3861.15                     | -                   | 58.50             | 0.00             | 3802.65                                |
| MW - 3 | 09/22/00      | 3861.15                     | -                   | 57.48             | 0.00             | 3803.67                                |
| MW - 3 | 12/28/00      | 3861.15                     | -                   | 57.74             | 0.00             | 3803.41                                |
| MW - 3 | 03/14/01      | 3861.15                     | -                   | 57.85             | 0.00             | 3803.30                                |
| MW - 3 | 06/06/01      | 3861.15                     | -                   | 58.00             | 0.00             | 3803.15                                |
| MW - 3 | 09/28/01      | 3861.15                     | -                   | 58.13             | 0.00             | 3803.02                                |
| MW - 3 | 11/17/01      | 3861.15                     | -                   | 58.46             | 0.00             | 3802.69                                |
| MW - 3 | 03/26/02      | 3861.15                     | -                   | 58.65             | 0.00             | 3802.50                                |
| MW - 3 | 06/26/02      | 3861.15                     | -                   | 58.55             | 0.00             | 3802.60                                |
| MW - 3 | 09/25/02      | 3861.15                     | -                   | 58.71             | 0.00             | 3802.44                                |
| MW - 3 | 12/10/02      | 3861.15                     | -                   | 58.75             | 0.00             | 3802.40                                |
| MW - 3 | 03/10/03      | 3861.15                     | -                   | 58.81             | 0.00             | 3802.34                                |
| MW - 3 | 06/09/03      | 3861.15                     | -                   | 58.91             | 0.00             | 3802.24                                |
| MW - 3 | 09/03/03      | 3861.15                     | -                   | 59.01             | 0.00             | 3802.14                                |
| MW - 3 | 12/08/03      | 3861.15                     | -                   | 59.10             | 0.00             | 3802.05                                |
| MW - 3 | 03/01/04      | 3861.15                     | -                   | 59.25             | 0.00             | 3801.90                                |
| MW - 3 | 05/19/04      | 3861.15                     | -                   | 59.00             | 0.00             | 3802.15                                |
| MW - 3 | 08/26/04      | 3861.15                     | -                   | 57.29             | 0.00             | 3803.86                                |
| MW - 3 | 12/09/04      | 3861.15                     | -                   | 57.63             | 0.00             | 3803.52                                |
| MW - 3 | 03/17/05      | 3861.15                     | -                   | 57.97             | 0.00             | 3803.18                                |
| MW - 3 | 06/15/05      | 3861.15                     | -                   | 58.31             | 0.00             | 3802.84                                |
| MW - 3 | 09/14/05      | 3861.15                     | -                   | 58.56             | 0.00             | 3802.59                                |
| MW - 3 | 12/13/05      | 3861.15                     | -                   | 58.80             | 0.00             | 3802.35                                |
| MW - 3 | 03/15/06      | 3861.15                     | -                   | 59.04             | 0.00             | 3802.11                                |
| MW - 3 | 06/14/06      | 3861.15                     | -                   | 59.24             | 0.00             | 3801.91                                |
| MW - 3 | 09/13/06      | 3861.15                     | -                   | 59.37             | 0.00             | 3801.78                                |
| MW - 3 | 12/05/06      | 3861.15                     | -                   | 59.42             | 0.00             | 3801.73                                |
| MW - 3 | 03/01/07      | 3861.15                     | -                   | 59.52             | 0.00             | 3801.63                                |
| MW - 3 | 05/24/07      | 3861.15                     | -                   | 59.63             | 0.00             | 3801.52                                |
| MW - 3 | 08/24/07      | 3861.15                     | -                   | 59.68             | 0.00             | 3801.47                                |
| MW - 3 | 11/08/07      | 3861.15                     | -                   | 59.76             | 0.00             | 3801.39                                |
| MW - 3 | 03/04/08      | 3861.15                     | -                   | 59.86             | 0.00             | 3801.29                                |
| MW - 3 | 06/11/08      | 3861.15                     | -                   | 59.93             | 0.00             | 3801.22                                |
| MW - 3 | 09/09/08      | 3861.15                     | -                   | 60.06             | 0.00             | 3801.09                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 3 | 12/11/08      | 3861.15                     | -                   | 61.13             | 0.00             | 3800.02                                |
| MW - 3 | 02/27/09      | 3861.15                     | -                   | 60.24             | 0.00             | 3800.91                                |
| MW - 3 | 05/21/09      | 3861.15                     | -                   | 60.32             | 0.00             | 3800.83                                |
| MW - 3 | 08/18/09      | 3861.15                     | -                   | 60.23             | 0.00             | 3800.92                                |
| MW - 3 | 12/09/09      | 3861.15                     | -                   | 60.38             | 0.00             | 3800.77                                |
| MW - 3 | 01/06/10      | 3861.15                     | -                   | 60.39             | 0.00             | 3800.76                                |
| MW - 3 | 02/22/10      | 3861.15                     | -                   | 60.44             | 0.00             | 3800.71                                |
| MW - 3 | 06/04/10      | 3861.15                     | -                   | 60.56             | 0.00             | 3800.59                                |
| MW - 3 | 08/26/10      | 3861.15                     | -                   | 60.58             | 0.00             | 3800.57                                |
| MW - 3 | 11/30/10      | 3861.15                     | -                   | 60.40             | 0.00             | 3800.75                                |
| MW - 3 | 03/08/11      | 3861.15                     | -                   | 60.39             | 0.00             | 3800.76                                |
| MW - 3 | 05/26/11      | 3861.15                     | -                   | 60.38             | 0.00             | 3800.77                                |
| MW - 3 | 07/06/11      | 3861.15                     | -                   | 60.71             | 0.00             | 3800.44                                |
| MW - 3 | 07/13/11      | 3861.15                     | -                   | 60.72             | 0.00             | 3800.43                                |
| MW - 3 | 07/19/11      | 3861.15                     | -                   | 60.68             | 0.00             | 3800.47                                |
| MW - 3 | 07/26/11      | 3861.15                     | -                   | 60.67             | 0.00             | 3800.48                                |
| MW - 3 | 08/12/11      | 3861.15                     | -                   | 60.72             | 0.00             | 3800.43                                |
| MW - 3 | 08/16/11      | 3861.15                     | -                   | 60.75             | 0.00             | 3800.40                                |
| MW - 3 | 08/18/11      | 3861.15                     | -                   | 60.75             | 0.00             | 3800.40                                |
| MW - 3 | 08/23/11      | 3861.15                     | -                   | 60.73             | 0.00             | 3800.42                                |
| MW - 3 | 11/15/11      | 3861.15                     | -                   | 60.81             | 0.00             | 3800.34                                |
| MW - 3 | 02/29/12      | 3861.15                     | -                   | 61.00             | 0.00             | 3800.15                                |
| MW - 3 | 05/01/12      | 3861.15                     | -                   | 61.05             | 0.00             | 3800.10                                |
| MW - 3 | 08/10/12      | 3861.15                     | -                   | 61.41             | 0.00             | 3799.74                                |
| MW - 3 | 11/28/12      | 3861.15                     | -                   | 61.33             | 0.00             | 3799.82                                |
| MW - 3 | 02/21/13      | 3861.15                     | -                   | 61.42             | 0.00             | 3799.73                                |
| MW - 3 | 05/15/13      | 3861.15                     | -                   | 61.50             | 0.00             | 3799.65                                |
| MW - 3 | 08/20/13      | 3861.15                     | -                   | 61.58             | 0.00             | 3799.57                                |
| MW - 3 | 11/11/13      | 3861.15                     | -                   | 61.69             | 0.00             | 3799.46                                |
| MW - 3 | 02/19/14      | 3861.15                     | -                   | 61.75             | 0.00             | 3799.40                                |
| MW - 3 | 05/20/14      | 3861.15                     | -                   | 61.83             | 0.00             | 3799.32                                |
| MW - 3 | 07/29/14      | 3861.15                     | -                   | 61.90             | 0.00             | 3799.25                                |
| MW - 3 | 08/19/14      | 3861.15                     | -                   | 61.89             | 0.00             | 3799.26                                |
| MW - 3 | 10/30/14      | 3861.15                     | -                   | 61.86             | 0.00             | 3799.29                                |
| MW - 3 | 11/24/14      | 3861.15                     | -                   | 61.89             | 0.00             | 3799.26                                |
| MW - 3 | 02/10/15      | 3861.15                     | -                   | 61.96             | 0.00             | 3799.19                                |
| MW - 3 | 03/11/15      | 3861.15                     | -                   | 62.01             | 0.00             | 3799.14                                |
| MW - 3 | 04/17/15      | 3861.15                     | -                   | 62.03             | 0.00             | 3799.12                                |
| MW - 3 | 05/19/15      | 3861.15                     | -                   | 62.03             | 0.00             | 3799.12                                |
| MW - 3 | 07/31/15      | 3861.15                     | -                   | 62.14             | 0.00             | 3799.01                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 3 | 08/12/15      | 3861.15                     | -                   | 62.15             | 0.00             | 3799.00                                |
| MW - 3 | 09/11/15      | 3861.15                     | -                   | 62.20             | 0.00             | 3798.95                                |
| MW - 3 | 11/10/15      | 3861.15                     | -                   | 62.22             | 0.00             | 3798.93                                |
| MW - 3 | 02/02/16      | 3861.15                     | -                   | 62.32             | 0.00             | 3798.83                                |
| MW - 3 | 04/28/16      | 3861.15                     | -                   | 62.39             | 0.00             | 3798.76                                |
| MW - 3 | 05/10/16      | 3861.15                     | -                   | 62.40             | 0.00             | 3798.75                                |
| MW - 3 | 07/01/16      | 3861.15                     | -                   | 62.48             | 0.00             | 3798.67                                |
| MW - 3 | 07/29/16      | 3861.15                     | -                   | 62.50             | 0.00             | 3798.65                                |
| MW - 3 | 08/08/16      | 3861.15                     | -                   | 62.48             | 0.00             | 3798.67                                |
| MW - 3 | 09/15/16      | 3861.15                     | -                   | 62.53             | 0.00             | 3798.62                                |
| MW - 3 | 11/15/16      | 3861.15                     | -                   | 62.63             | 0.00             | 3798.52                                |
| MW - 3 | 12/14/16      | 3861.15                     | -                   | 62.68             | 0.00             | 3798.47                                |
| MW - 3 | 01/20/17      | 3861.15                     | -                   | 62.73             | 0.00             | 3798.42                                |
| MW - 3 | 02/21/17      | 3861.15                     | -                   | 62.74             | 0.00             | 3798.41                                |
| MW - 3 | 05/16/17      | 3861.15                     | -                   | 62.87             | 0.00             | 3798.28                                |
| MW - 3 | 06/09/17      | 3861.15                     | -                   | 62.67             | 0.00             | 3798.48                                |
| MW - 3 | 07/26/17      | 3861.15                     | -                   | 62.65             | 0.00             | 3798.50                                |
| MW - 3 | 08/22/17      | 3861.15                     | -                   | 63.05             | 0.00             | 3798.10                                |
| MW - 3 | 10/10/17      | 3861.15                     | -                   | 63.19             | 0.00             | 3797.96                                |
| MW - 3 | 11/28/17      | 3861.15                     | -                   | 63.20             | 0.00             | 3797.95                                |
| MW - 3 | 01/08/18      | 3861.15                     | -                   | 63.30             | 0.00             | 3797.85                                |
| MW - 3 | 02/13/18      | 3861.15                     | -                   | 63.34             | 0.00             | 3797.81                                |
| MW - 3 | 04/30/18      | 3861.15                     | -                   | 63.49             | 0.00             | 3797.66                                |
| MW - 3 | 05/16/18      | 3861.15                     | -                   | 63.49             | 0.00             | 3797.66                                |
| MW - 3 | 07/05/18      | 3861.15                     | -                   | 63.60             | 0.00             | 3797.55                                |
| MW - 3 | 07/26/18      | 3861.15                     | -                   | 63.47             | 0.00             | 3797.68                                |
| MW - 3 | 08/15/18      | 3861.15                     | -                   | 63.66             | 0.00             | 3797.49                                |
| MW - 3 | 11/27/18      | 3861.15                     | -                   | 63.78             | 0.00             | 3797.37                                |
| MW - 3 | 12/27/18      | 3861.15                     | -                   | 63.85             | 0.00             | 3797.30                                |
| MW - 3 | 01/17/19      | 3861.15                     | -                   | 63.89             | 0.00             | 3797.26                                |
| MW - 3 | 02/20/19      | 3861.15                     | -                   | 63.92             | 0.00             | 3797.23                                |
| MW - 3 | 04/04/19      | 3861.15                     | -                   | 64.00             | 0.00             | 3797.15                                |
| MW - 3 | 05/29/19      | 3861.15                     | -                   | 64.08             | 0.00             | 3797.07                                |
| MW - 3 | 08/27/19      | 3861.15                     | -                   | 63.79             | 0.00             | 3797.36                                |
| MW - 3 | 10/21/19      | 3861.15                     | -                   | 62.49             | 0.00             | 3798.66                                |
| MW - 3 | 10/29/19      | 3861.15                     | -                   | 64.30             | 0.00             | 3796.85                                |
| MW - 3 | 03/17/20      | 3861.15                     | -                   | 64.59             | 0.00             | 3796.56                                |
| MW - 3 | 05/13/20      | 3861.15                     | -                   | 64.68             | 0.00             | 3796.47                                |
| MW - 3 | 06/09/20      | 3861.15                     | -                   | 64.73             | 0.00             | 3796.42                                |
| MW - 3 | 07/16/20      | 3861.15                     | -                   | 64.48             | 0.00             | 3796.67                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 3 | 08/25/20      | 3861.15                     | -                   | 64.83             | 0.00             | 3796.32                                |
| MW - 3 | 12/17/20      | 3861.15                     | -                   | 64.98             | 0.00             | 3796.17                                |
| MW - 3 | 01/28/21      | 3861.15                     | -                   | 65.03             | 0.00             | 3796.12                                |
| MW - 3 | 03/22/21      | 3861.15                     | -                   | 65.10             | 0.00             | 3796.05                                |
| MW - 3 | 06/21/21      | 3861.15                     | -                   | 65.21             | 0.00             | 3795.94                                |
| MW - 3 | 07/22/21      | 3861.15                     | -                   | 65.30             | 0.00             | 3795.85                                |
| MW - 3 | 09/09/21      | 3861.15                     | -                   | 65.32             | 0.00             | 3795.83                                |
| MW - 3 | 10/26/21      | 3861.15                     | -                   | 65.40             | 0.00             | 3795.75                                |
| MW - 3 | 12/15/21      | 3861.15                     | -                   | 65.45             | 0.00             | 3795.70                                |
| MW - 3 | 02/09/22      | 3861.15                     | -                   | 65.55             | 0.00             | 3795.60                                |
| MW - 3 | 05/02/22      | 3861.15                     | -                   | 65.60             | 0.00             | 3795.55                                |
| MW - 3 | 08/01/22      | 3861.15                     | -                   | 65.69             | 0.00             | 3795.46                                |
| MW - 3 | 10/26/22      | 3861.15                     | -                   | 65.81             | 0.00             | 3795.34                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 4 | 03/24/00      | 3859.62                     | -                   | 57.03             | 0.00             | 3802.59                                |
| MW - 4 | 06/14/00      | 3859.62                     | -                   | 57.57             | 0.00             | 3802.05                                |
| MW - 4 | 09/22/00      | 3859.62                     | -                   | 56.64             | 0.00             | 3802.98                                |
| MW - 4 | 12/28/00      | 3859.62                     | -                   | 56.86             | 0.00             | 3802.76                                |
| MW - 4 | 03/14/01      | 3859.62                     | -                   | 56.96             | 0.00             | 3802.66                                |
| MW - 4 | 06/06/01      | 3859.62                     | -                   | 57.12             | 0.00             | 3802.50                                |
| MW - 4 | 09/28/01      | 3859.62                     | -                   | 57.23             | 0.00             | 3802.39                                |
| MW - 4 | 11/17/01      | 3859.62                     | -                   | 58.04             | 0.00             | 3801.58                                |
| MW - 4 | 03/26/02      | 3859.62                     | -                   | 57.69             | 0.00             | 3801.93                                |
| MW - 4 | 06/26/02      | 3859.62                     | -                   | 57.60             | 0.00             | 3802.02                                |
| MW - 4 | 09/25/02      | 3859.62                     | -                   | 57.77             | 0.00             | 3801.85                                |
| MW - 4 | 12/10/02      | 3859.62                     | -                   | 57.79             | 0.00             | 3801.83                                |
| MW - 4 | 03/10/03      | 3859.62                     | -                   | 57.87             | 0.00             | 3801.75                                |
| MW - 4 | 06/09/03      | 3859.62                     | -                   | 58.00             | 0.00             | 3801.62                                |
| MW - 4 | 09/03/03      | 3859.62                     | -                   | 58.06             | 0.00             | 3801.56                                |
| MW - 4 | 12/08/03      | 3859.62                     | -                   | 58.16             | 0.00             | 3801.46                                |
| MW - 4 | 03/01/04      | 3859.62                     | -                   | 58.29             | 0.00             | 3801.33                                |
| MW - 4 | 05/19/04      | 3859.62                     | -                   | 58.13             | 0.00             | 3801.49                                |
| MW - 4 | 08/26/04      | 3859.62                     | -                   | 58.38             | 0.00             | 3801.24                                |
| MW - 4 | 12/09/04      | 3859.62                     | -                   | 56.91             | 0.00             | 3802.71                                |
| MW - 4 | 03/17/05      | 3859.62                     | -                   | 57.09             | 0.00             | 3802.53                                |
| MW - 4 | 06/15/05      | 3859.62                     | -                   | 57.36             | 0.00             | 3802.26                                |
| MW - 4 | 09/14/05      | 3859.62                     | -                   | 57.64             | 0.00             | 3801.98                                |
| MW - 4 | 12/13/05      | 3859.62                     | -                   | 57.89             | 0.00             | 3801.73                                |
| MW - 4 | 03/15/06      | 3859.62                     | -                   | 58.12             | 0.00             | 3801.50                                |
| MW - 4 | 06/14/06      | 3859.62                     | -                   | 58.28             | 0.00             | 3801.34                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 09/13/06      | 3859.62                     | -                   | 58.56             | 0.00             | 3801.06                                |
| MW - 4 | 12/06/06      | 3859.62                     | -                   | 58.52             | 0.00             | 3801.10                                |
| MW - 4 | 03/01/07      | 3859.62                     | -                   | 58.58             | 0.00             | 3801.04                                |
| MW - 4 | 05/24/07      | 3859.62                     | -                   | 58.65             | 0.00             | 3800.97                                |
| MW - 4 | 08/23/07      | 3859.62                     | -                   | 59.75             | 0.00             | 3799.87                                |
| MW - 4 | 11/08/07      | 3859.62                     | -                   | 58.79             | 0.00             | 3800.83                                |
| MW - 4 | 03/04/08      | 3859.62                     | 58.69               | 60.21             | 1.52             | 3800.70                                |
| MW - 4 | 03/13/08      | 3859.62                     | 58.69               | 60.33             | 1.64             | 3800.68                                |
| MW - 4 | 03/20/08      | 3859.62                     | 59.82               | 60.53             | 0.71             | 3799.69                                |
| MW - 4 | 03/23/08      | 3859.62                     | 58.97               | 59.02             | 0.05             | 3800.64                                |
| MW - 4 | 04/09/08      | 3859.62                     | 58.84               | 59.76             | 0.92             | 3800.64                                |
| MW - 4 | 04/18/08      | 3859.62                     | 58.86               | 59.61             | 0.75             | 3800.65                                |
| MW - 4 | 04/25/08      | 3859.62                     | 58.91               | 59.67             | 0.76             | 3800.60                                |
| MW - 4 | 04/30/08      | 3859.62                     | 58.91               | 59.19             | 0.28             | 3800.67                                |
| MW - 4 | 05/16/08      | 3859.62                     | 58.86               | 59.75             | 0.89             | 3800.63                                |
| MW - 4 | 06/03/08      | 3859.62                     | 58.94               | 59.55             | 0.61             | 3800.59                                |
| MW - 4 | 06/11/08      | 3859.62                     | 58.94               | 59.60             | 0.66             | 3800.58                                |
| MW - 4 | 06/11/08      | 3859.62                     | 58.90               | 59.52             | 0.62             | 3800.63                                |
| MW - 4 | 06/18/08      | 3859.62                     | 58.94               | 59.54             | 0.60             | 3800.59                                |
| MW - 4 | 06/25/08      | 3859.62                     | 58.94               | 59.55             | 0.61             | 3800.59                                |
| MW - 4 | 07/01/08      | 3859.62                     | 58.96               | 59.55             | 0.59             | 3800.57                                |
| MW - 4 | 07/09/08      | 3859.62                     | 58.94               | 59.65             | 0.71             | 3800.57                                |
| MW - 4 | 07/15/08      | 3859.62                     | 58.96               | 59.61             | 0.65             | 3800.56                                |
| MW - 4 | 07/23/08      | 3859.62                     | 58.94               | 59.72             | 0.78             | 3800.56                                |
| MW - 4 | 08/13/08      | 3859.62                     | 58.90               | 60.36             | 1.46             | 3800.50                                |
| MW - 4 | 09/09/08      | 3859.62                     | 58.88               | 60.44             | 1.56             | 3800.51                                |
| MW - 4 | 09/11/08      | 3859.62                     | 58.84               | 60.52             | 1.68             | 3800.53                                |
| MW - 4 | 09/11/08      | 3859.62                     | 58.84               | 60.52             | 1.68             | 3800.53                                |
| MW - 4 | 09/22/08      | 3859.62                     | 58.87               | 60.48             | 1.61             | 3800.51                                |
| MW - 4 | 10/01/08      | 3859.62                     | 58.93               | 60.23             | 1.30             | 3800.50                                |
| MW - 4 | 10/09/08      | 3859.62                     | 58.96               | 59.97             | 1.01             | 3800.51                                |
| MW - 4 | 10/16/08      | 3859.62                     | 59.03               | 59.93             | 0.90             | 3800.46                                |
| MW - 4 | 10/23/08      | 3859.62                     | 59.01               | 59.91             | 0.90             | 3800.48                                |
| MW - 4 | 10/30/08      | 3859.62                     | 59.03               | 60.04             | 1.01             | 3800.44                                |
| MW - 4 | 11/04/08      | 3859.62                     | 59.00               | 59.93             | 0.93             | 3800.48                                |
| MW - 4 | 11/25/08      | 3859.62                     | 58.92               | 60.74             | 1.82             | 3800.43                                |
| MW - 4 | 11/25/08      | 3859.62                     | 59.41               | 59.51             | 0.10             | 3800.20                                |
| MW - 4 | 12/11/08      | 3859.62                     | 58.94               | 60.64             | 1.70             | 3800.43                                |
| MW - 4 | 01/02/09      | 3859.62                     | 58.92               | 61.72             | 2.80             | 3800.28                                |
| MW - 4 | 01/08/09      | 3859.62                     | 59.07               | 60.41             | 1.34             | 3800.35                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 01/14/09      | 3859.62                     | 59.10               | 60.09             | 0.99             | 3800.37                                |
| MW - 4 | 02/12/09      | 3859.62                     | 59.23               | 61.21             | 1.98             | 3800.09                                |
| MW - 4 | 02/19/09      | 3859.62                     | 59.95               | 61.33             | 1.38             | 3799.46                                |
| MW - 4 | 02/26/09      | 3859.62                     | 59.15               | 61.15             | 2.00             | 3800.17                                |
| MW - 4 | 03/04/09      | 3859.62                     | 60.00               | 61.38             | 1.38             | 3799.41                                |
| MW - 4 | 03/16/09      | 3859.62                     | 59.98               | 61.29             | 1.31             | 3799.44                                |
| MW - 4 | 03/19/09      | 3859.62                     | 58.93               | 61.52             | 2.59             | 3800.30                                |
| MW - 4 | 03/24/09      | 3859.62                     | 58.94               | 61.61             | 2.67             | 3800.28                                |
| MW - 4 | 04/08/09      | 3859.62                     | 59.99               | 61.30             | 1.31             | 3799.43                                |
| MW - 4 | 04/15/09      | 3859.62                     | 58.96               | 61.39             | 2.43             | 3800.30                                |
| MW - 4 | 04/17/09      | 3859.62                     | 59.97               | 61.26             | 1.29             | 3799.46                                |
| MW - 4 | 04/21/09      | 3859.62                     | 59.95               | 61.23             | 1.28             | 3799.48                                |
| MW - 4 | 04/29/09      | 3859.62                     | 59.00               | 61.30             | 2.30             | 3800.28                                |
| MW - 4 | 05/06/09      | 3859.62                     | 59.48               | 61.38             | 1.90             | 3799.86                                |
| MW - 4 | 05/20/09      | 3859.62                     | 59.07               | 61.17             | 2.10             | 3800.24                                |
| MW - 4 | 05/22/09      | 3859.62                     | 59.23               | 60.28             | 1.05             | 3800.23                                |
| MW - 4 | 05/27/09      | 3859.62                     | 59.07               | 61.02             | 1.95             | 3800.26                                |
| MW - 4 | 06/01/09      | 3859.62                     | 59.16               | 60.59             | 1.43             | 3800.25                                |
| MW - 4 | 06/09/09      | 3859.62                     | 59.36               | 60.89             | 1.53             | 3800.03                                |
| MW - 4 | 06/17/09      | 3859.62                     | 59.03               | 61.12             | 2.09             | 3800.28                                |
| MW - 4 | 06/23/09      | 3859.62                     | 59.94               | 61.26             | 1.32             | 3799.48                                |
| MW - 4 | 06/30/09      | 3859.62                     | 59.06               | 61.06             | 2.00             | 3800.26                                |
| MW - 4 | 07/10/09      | 3859.62                     | 59.26               | 61.11             | 1.85             | 3800.08                                |
| MW - 4 | 07/13/09      | 3859.62                     | 59.15               | 60.26             | 1.11             | 3800.30                                |
| MW - 4 | 07/17/09      | 3859.62                     | 59.27               | 61.10             | 1.83             | 3800.08                                |
| MW - 4 | 07/24/09      | 3859.62                     | 59.05               | 60.90             | 1.85             | 3800.29                                |
| MW - 4 | 07/28/09      | 3859.62                     | 59.13               | 60.32             | 1.19             | 3800.31                                |
| MW - 4 | 08/04/09      | 3859.62                     | 59.03               | 60.90             | 1.87             | 3800.31                                |
| MW - 4 | 08/12/09      | 3859.62                     | 59.02               | 60.90             | 1.88             | 3800.32                                |
| MW - 4 | 08/18/09      | 3859.62                     | 59.20               | 61.45             | 2.25             | 3800.08                                |
| MW - 4 | 08/20/09      | 3859.62                     | 59.00               | 61.28             | 2.28             | 3800.28                                |
| MW - 4 | 08/26/09      | 3859.62                     | 59.05               | 61.00             | 1.95             | 3800.28                                |
| MW - 4 | 09/02/09      | 3859.62                     | 59.02               | 61.10             | 2.08             | 3800.29                                |
| MW - 4 | 09/09/09      | 3859.62                     | 59.10               | 60.75             | 1.65             | 3800.27                                |
| MW - 4 | 09/14/09      | 3859.62                     | 59.13               | 60.51             | 1.38             | 3800.28                                |
| MW - 4 | 09/21/09      | 3859.62                     | 59.12               | 60.69             | 1.57             | 3800.26                                |
| MW - 4 | 10/01/09      | 3859.62                     | 59.10               | 60.97             | 1.87             | 3800.24                                |
| MW - 4 | 10/08/09      | 3859.62                     | 59.39               | 60.05             | 0.66             | 3800.13                                |
| MW - 4 | 10/14/09      | 3859.62                     | 59.14               | 60.66             | 1.52             | 3800.25                                |
| MW - 4 | 10/21/09      | 3859.62                     | 59.08               | 61.45             | 2.37             | 3800.18                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 10/28/09      | 3859.62                     | 59.12               | 61.08             | 1.96             | 3800.21                                |
| MW - 4 | 10/29/09      | 3859.62                     | 59.29               | 60.35             | 1.06             | 3800.17                                |
| MW - 4 | 11/04/09      | 3859.62                     | 59.31               | 60.25             | 0.94             | 3800.17                                |
| MW - 4 | 11/11/09      | 3859.62                     | 59.19               | 60.75             | 1.56             | 3800.20                                |
| MW - 4 | 11/18/09      | 3859.62                     | 59.19               | 60.76             | 1.57             | 3800.19                                |
| MW - 4 | 12/02/09      | 3859.62                     | 59.13               | 61.25             | 2.12             | 3800.17                                |
| MW - 4 | 12/10/09      | 3859.62                     | 59.24               | 61.07             | 1.83             | 3800.11                                |
| MW - 4 | 12/18/09      | 3859.62                     | 59.20               | 61.14             | 1.94             | 3800.13                                |
| MW - 4 | 12/23/09      | 3859.62                     | 59.30               | 60.55             | 1.25             | 3800.13                                |
| MW - 4 | 12/30/09      | 3859.62                     | 59.34               | 60.81             | 1.47             | 3800.06                                |
| MW - 4 | 01/06/10      | 3859.62                     | 59.28               | 60.82             | 1.54             | 3800.11                                |
| MW - 4 | 01/19/10      | 3859.62                     | 59.26               | 60.82             | 1.56             | 3800.13                                |
| MW - 4 | 02/02/10      | 3859.62                     | 59.21               | 61.70             | 2.49             | 3800.04                                |
| MW - 4 | 02/19/10      | 3859.62                     | 59.25               | 61.84             | 2.59             | 3799.98                                |
| MW - 4 | 02/22/10      | 3859.62                     | 59.40               | 61.71             | 2.31             | 3799.87                                |
| MW - 4 | 03/02/10      | 3859.62                     | 59.25               | 61.89             | 2.64             | 3799.97                                |
| MW - 4 | 03/09/10      | 3859.62                     | 59.39               | 61.16             | 1.77             | 3799.96                                |
| MW - 4 | 03/11/10      | 3859.62                     | 59.41               | 61.09             | 1.68             | 3799.96                                |
| MW - 4 | 03/16/10      | 3859.62                     | 59.25               | 61.64             | 2.39             | 3800.01                                |
| MW - 4 | 03/18/10      | 3859.62                     | 59.28               | 61.12             | 1.84             | 3800.06                                |
| MW - 4 | 03/24/10      | 3859.62                     | 59.42               | 61.06             | 1.64             | 3799.95                                |
| MW - 4 | 03/31/10      | 3859.62                     | 59.40               | 61.05             | 1.65             | 3799.97                                |
| MW - 4 | 04/08/10      | 3859.62                     | 59.24               | 61.05             | 1.81             | 3800.11                                |
| MW - 4 | 04/15/10      | 3859.62                     | 59.25               | 61.06             | 1.81             | 3800.10                                |
| MW - 4 | 04/28/10      | 3859.62                     | 59.20               | 61.80             | 2.60             | 3800.03                                |
| MW - 4 | 05/06/10      | 3859.62                     | 59.24               | 61.82             | 2.58             | 3799.99                                |
| MW - 4 | 05/13/10      | 3859.62                     | 59.28               | 61.77             | 2.49             | 3799.97                                |
| MW - 4 | 05/19/10      | 3859.62                     | 59.30               | 61.75             | 2.45             | 3799.95                                |
| MW - 4 | 05/27/10      | 3859.62                     | 59.18               | 62.26             | 3.08             | 3799.98                                |
| MW - 4 | 06/04/10      | 3859.62                     | 59.27               | 61.71             | 2.44             | 3799.98                                |
| MW - 4 | 07/02/10      | 3859.62                     | 59.21               | 62.17             | 2.96             | 3799.97                                |
| MW - 4 | 07/09/10      | 3859.62                     | 59.17               | 61.50             | 2.33             | 3800.10                                |
| MW - 4 | 07/14/10      | 3859.62                     | 58.90               | 60.44             | 1.54             | 3800.49                                |
| MW - 4 | 07/22/10      | 3859.62                     | 58.79               | 60.47             | 1.68             | 3800.58                                |
| MW - 4 | 07/29/10      | 3859.62                     | 58.79               | 60.75             | 1.96             | 3800.54                                |
| MW - 4 | 08/05/10      | 3859.62                     | 58.75               | 61.10             | 2.35             | 3800.52                                |
| MW - 4 | 08/12/10      | 3859.62                     | 58.79               | 60.76             | 1.97             | 3800.53                                |
| MW - 4 | 08/18/10      | 3859.62                     | 58.85               | 60.73             | 1.88             | 3800.49                                |
| MW - 4 | 08/26/10      | 3859.62                     | 58.87               | 60.51             | 1.64             | 3800.50                                |
| MW - 4 | 09/02/10      | 3859.62                     | 58.89               | 60.98             | 2.09             | 3800.42                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 09/08/10      | 3859.62                     | 58.86               | 60.52             | 1.66             | 3800.51                                |
| MW - 4 | 09/30/10      | 3859.62                     | 58.96               | 61.63             | 2.67             | 3800.26                                |
| MW - 4 | 10/07/10      | 3859.62                     | 58.95               | 61.39             | 2.44             | 3800.30                                |
| MW - 4 | 10/14/10      | 3859.62                     | 58.96               | 61.37             | 2.41             | 3800.30                                |
| MW - 4 | 10/21/10      | 3859.62                     | 58.97               | 61.37             | 2.40             | 3800.29                                |
| MW - 4 | 11/04/10      | 3859.62                     | 59.26               | 61.42             | 2.16             | 3800.04                                |
| MW - 4 | 11/11/10      | 3859.62                     | 58.98               | 62.23             | 3.25             | 3800.15                                |
| MW - 4 | 11/30/10      | 3859.62                     | 58.96               | 61.38             | 2.42             | 3800.30                                |
| MW - 4 | 12/08/10      | 3859.62                     | 58.95               | 60.51             | 1.56             | 3800.44                                |
| MW - 4 | 12/16/10      | 3859.62                     | 58.91               | 60.72             | 1.81             | 3800.44                                |
| MW - 4 | 12/22/10      | 3859.62                     | 58.74               | 60.91             | 2.17             | 3800.55                                |
| MW - 4 | 01/13/11      | 3859.62                     | 58.94               | 61.48             | 2.54             | 3800.30                                |
| MW - 4 | 01/27/11      | 3859.62                     | 58.95               | 61.41             | 2.46             | 3800.30                                |
| MW - 4 | 03/08/11      | 3859.62                     | 58.90               | 61.43             | 2.53             | 3800.34                                |
| MW - 4 | 04/28/11      | 3859.62                     | 59.10               | 63.02             | 3.92             | 3799.93                                |
| MW - 4 | 05/11/11      | 3859.62                     | 59.13               | 63.15             | 4.02             | 3799.89                                |
| MW - 4 | 05/18/11      | 3859.62                     | 59.10               | 63.15             | 4.05             | 3799.91                                |
| MW - 4 | 05/23/11      | 3859.62                     | 59.01               | 62.81             | 3.80             | 3800.04                                |
| MW - 4 | 05/26/11      | 3859.62                     | 59.01               | 62.80             | 3.79             | 3800.04                                |
| MW - 4 | 06/02/11      | 3859.62                     | 59.15               | 62.97             | 3.82             | 3799.90                                |
| MW - 4 | 06/08/11      | 3859.62                     | 59.37               | 61.96             | 2.59             | 3799.86                                |
| MW - 4 | 06/16/11      | 3859.62                     | 59.23               | 62.20             | 2.97             | 3799.94                                |
| MW - 4 | 06/22/11      | 3859.62                     | 59.26               | 62.03             | 2.77             | 3799.94                                |
| MW - 4 | 06/30/11      | 3859.62                     | 59.25               | 62.75             | 3.50             | 3799.85                                |
| MW - 4 | 07/06/11      | 3859.62                     | 59.30               | 62.18             | 2.88             | 3799.89                                |
| MW - 4 | 07/13/11      | 3859.62                     | 59.35               | 62.40             | 3.05             | 3799.81                                |
| MW - 4 | 07/19/11      | 3859.62                     | 59.37               | 62.16             | 2.79             | 3799.83                                |
| MW - 4 | 07/26/11      | 3859.62                     | 59.33               | 62.55             | 3.22             | 3799.81                                |
| MW - 4 | 08/12/11      | 3859.62                     | 59.35               | 62.60             | 3.25             | 3799.78                                |
| MW - 4 | 08/16/11      | 3859.62                     | 59.45               | 61.95             | 2.50             | 3799.80                                |
| MW - 4 | 08/19/11      | 3859.62                     | 59.45               | 61.65             | 2.20             | 3799.84                                |
| MW - 4 | 08/23/11      | 3859.62                     | 59.40               | 62.20             | 2.80             | 3799.80                                |
| MW - 4 | 09/06/11      | 3859.62                     | 59.38               | 60.99             | 1.61             | 3800.00                                |
| MW - 4 | 09/13/11      | 3859.62                     | 59.42               | 62.48             | 3.06             | 3799.74                                |
| MW - 4 | 10/13/11      | 3859.62                     | 59.56               | 61.55             | 1.99             | 3799.76                                |
| MW - 4 | 11/15/11      | 3859.62                     | 59.60               | 61.85             | 2.25             | 3799.68                                |
| MW - 4 | 11/30/11      | 3859.62                     | 59.55               | 62.07             | 2.52             | 3799.69                                |
| MW - 4 | 01/24/12      | 3859.62                     | 59.51               | 62.83             | 3.32             | 3799.61                                |
| MW - 4 | 01/31/12      | 3859.62                     | 59.68               | 61.92             | 2.24             | 3799.60                                |
| MW - 4 | 02/08/12      | 3859.62                     | 59.65               | 61.67             | 2.02             | 3799.67                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 02/29/12      | 3859.62                     | 59.76               | 61.88             | 2.12             | 3799.54                                |
| MW - 4 | 03/09/12      | 3859.62                     | 59.89               | 61.47             | 1.58             | 3799.49                                |
| MW - 4 | 03/16/12      | 3859.62                     | 59.85               | 61.53             | 1.68             | 3799.52                                |
| MW - 4 | 03/21/12      | 3859.62                     | 59.92               | 61.11             | 1.19             | 3799.52                                |
| MW - 4 | 03/28/12      | 3859.62                     | 59.98               | 61.10             | 1.12             | 3799.47                                |
| MW - 4 | 04/04/12      | 3859.62                     | 59.99               | 60.97             | 0.98             | 3799.48                                |
| MW - 4 | 04/11/12      | 3859.62                     | 60.01               | 60.86             | 0.85             | 3799.48                                |
| MW - 4 | 04/18/12      | 3859.62                     | 60.03               | 60.79             | 0.76             | 3799.48                                |
| MW - 4 | 04/25/12      | 3859.62                     | 60.04               | 60.72             | 0.68             | 3799.48                                |
| MW - 4 | 05/01/12      | 3859.62                     | 60.08               | 60.75             | 0.67             | 3799.44                                |
| MW - 4 | 05/09/12      | 3859.62                     | 60.04               | 60.72             | 0.68             | 3799.48                                |
| MW - 4 | 06/07/12      | 3859.62                     | 60.06               | 60.94             | 0.88             | 3799.43                                |
| MW - 4 | 06/20/12      | 3859.62                     | 60.26               | 61.25             | 0.99             | 3799.21                                |
| MW - 4 | 06/27/12      | 3859.62                     | 60.09               | 60.99             | 0.90             | 3799.40                                |
| MW - 4 | 07/11/12      | 3859.62                     | 60.19               | 61.17             | 0.98             | 3799.28                                |
| MW - 4 | 08/10/12      | 3859.62                     | 60.43               | 61.11             | 0.68             | 3799.09                                |
| MW - 4 | 09/06/12      | 3859.62                     | 60.15               | 61.24             | 1.09             | 3799.31                                |
| MW - 4 | 10/04/12      | 3859.62                     | 60.30               | 61.07             | 0.77             | 3799.20                                |
| MW - 4 | 10/12/12      | 3859.62                     | 60.29               | 61.00             | 0.71             | 3799.22                                |
| MW - 4 | 10/18/12      | 3859.62                     | 60.30               | 61.00             | 0.70             | 3799.22                                |
| MW - 4 | 10/25/12      | 3859.62                     | 60.31               | 60.81             | 0.50             | 3799.24                                |
| MW - 4 | 10/31/12      | 3859.62                     | 60.29               | 60.91             | 0.62             | 3799.24                                |
| MW - 4 | 11/15/12      | 3859.62                     | 60.38               | 60.54             | 0.16             | 3799.22                                |
| MW - 4 | 11/27/12      | 3859.62                     | 60.40               | 60.57             | 0.17             | 3799.19                                |
| MW - 4 | 12/19/12      | 3859.62                     | 60.42               | 60.62             | 0.20             | 3799.17                                |
| MW - 4 | 01/17/13      | 3859.62                     | 60.44               | 60.70             | 0.26             | 3799.14                                |
| MW - 4 | 01/31/13      | 3859.62                     | 60.44               | 60.70             | 0.26             | 3799.14                                |
| MW - 4 | 02/21/13      | 3859.62                     | 60.47               | 60.77             | 0.30             | 3799.11                                |
| MW - 4 | 03/05/13      | 3859.62                     | 60.51               | 60.84             | 0.33             | 3799.06                                |
| MW - 4 | 03/21/13      | 3859.62                     | 60.48               | 60.74             | 0.26             | 3799.10                                |
| MW - 4 | 04/04/13      | 3859.62                     | 60.52               | 60.78             | 0.26             | 3799.06                                |
| MW - 4 | 04/11/13      | 3859.62                     | 60.52               | 60.80             | 0.28             | 3799.06                                |
| MW - 4 | 04/18/13      | 3859.62                     | 60.56               | 60.78             | 0.22             | 3799.03                                |
| MW - 4 | 04/25/13      | 3859.62                     | 60.55               | 60.77             | 0.22             | 3799.04                                |
| MW - 4 | 05/01/13      | 3859.62                     | 60.57               | 60.77             | 0.20             | 3799.02                                |
| MW - 4 | 05/10/13      | 3859.62                     | 60.56               | 60.68             | 0.12             | 3799.04                                |
| MW - 4 | 05/15/13      | 3859.62                     | 60.55               | 60.68             | 0.13             | 3799.05                                |
| MW - 4 | 05/24/13      | 3859.62                     | 60.59               | 60.73             | 0.14             | 3799.01                                |
| MW - 4 | 05/30/13      | 3859.62                     | 60.61               | 60.72             | 0.11             | 3798.99                                |
| MW - 4 | 06/06/13      | 3859.62                     | 60.61               | 60.71             | 0.10             | 3799.00                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 06/14/13      | 3859.62                     | 60.63               | 60.73             | 0.10             | 3798.98                                |
| MW - 4 | 06/20/13      | 3859.62                     | 60.64               | 60.75             | 0.11             | 3798.96                                |
| MW - 4 | 06/27/13      | 3859.62                     | 60.61               | 60.75             | 0.14             | 3798.99                                |
| MW - 4 | 07/03/13      | 3859.62                     | 60.64               | 60.71             | 0.07             | 3798.97                                |
| MW - 4 | 07/10/13      | 3859.62                     | 60.64               | 60.79             | 0.15             | 3798.96                                |
| MW - 4 | 07/25/13      | 3859.62                     | 60.63               | 60.80             | 0.17             | 3798.96                                |
| MW - 4 | 07/31/13      | 3859.62                     | 60.63               | 60.80             | 0.17             | 3798.96                                |
| MW - 4 | 08/20/13      | 3859.62                     | 60.65               | 60.84             | 0.19             | 3798.94                                |
| MW - 4 | 08/29/13      | 3859.62                     | 60.64               | 60.84             | 0.20             | 3798.95                                |
| MW - 4 | 09/09/13      | 3859.62                     | 60.68               | 60.91             | 0.23             | 3798.91                                |
| MW - 4 | 09/18/13      | 3859.62                     | 60.70               | 60.91             | 0.21             | 3798.89                                |
| MW - 4 | 09/27/13      | 3859.62                     | 60.70               | 60.88             | 0.18             | 3798.89                                |
| MW - 4 | 10/02/13      | 3859.62                     | 60.73               | 60.91             | 0.18             | 3798.86                                |
| MW - 4 | 10/08/13      | 3859.62                     | 60.68               | 60.83             | 0.15             | 3798.92                                |
| MW - 4 | 10/16/13      | 3859.62                     | 60.72               | 60.84             | 0.12             | 3798.88                                |
| MW - 4 | 10/24/13      | 3859.62                     | 60.70               | 60.86             | 0.16             | 3798.90                                |
| MW - 4 | 10/31/13      | 3859.62                     | 60.69               | 60.82             | 0.13             | 3798.91                                |
| MW - 4 | 11/11/13      | 3859.62                     | 60.71               | 60.84             | 0.13             | 3798.89                                |
| MW - 4 | 12/11/13      | 3859.62                     | 60.78               | 60.97             | 0.19             | 3798.81                                |
| MW - 4 | 12/17/13      | 3859.62                     | 60.77               | 60.99             | 0.22             | 3798.82                                |
| MW - 4 | 01/03/14      | 3859.62                     | 60.82               | 60.98             | 0.16             | 3798.78                                |
| MW - 4 | 01/09/14      | 3859.62                     | 60.80               | 60.94             | 0.14             | 3798.80                                |
| MW - 4 | 01/15/14      | 3859.62                     | 60.80               | 60.95             | 0.15             | 3798.80                                |
| MW - 4 | 01/22/14      | 3859.62                     | 60.80               | 60.98             | 0.18             | 3798.79                                |
| MW - 4 | 01/29/14      | 3859.62                     | 60.80               | 60.98             | 0.18             | 3798.79                                |
| MW - 4 | 02/20/14      | 3859.62                     | 60.79               | 61.09             | 0.30             | 3798.79                                |
| MW - 4 | 03/04/14      | 3859.62                     | 60.80               | 61.07             | 0.27             | 3798.78                                |
| MW - 4 | 03/11/14      | 3859.62                     | 60.85               | 61.12             | 0.27             | 3798.73                                |
| MW - 4 | 03/18/14      | 3859.62                     | 60.86               | 61.11             | 0.25             | 3798.72                                |
| MW - 4 | 03/29/14      | 3859.62                     | 60.85               | 61.16             | 0.31             | 3798.72                                |
| MW - 4 | 04/01/14      | 3859.62                     | 60.88               | 61.02             | 0.14             | 3798.72                                |
| MW - 4 | 04/08/14      | 3859.62                     | 60.88               | 60.97             | 0.09             | 3798.73                                |
| MW - 4 | 04/18/14      | 3859.62                     | 60.91               | 61.00             | 0.09             | 3798.70                                |
| MW - 4 | 04/23/14      | 3859.62                     | 60.92               | 61.02             | 0.10             | 3798.69                                |
| MW - 4 | 05/05/14      | 3859.62                     | 60.95               | 61.05             | 0.10             | 3798.66                                |
| MW - 4 | 05/16/14      | 3859.62                     | 60.95               | 61.12             | 0.17             | 3798.64                                |
| MW - 4 | 05/20/14      | 3859.62                     | 60.94               | 60.99             | 0.05             | 3798.67                                |
| MW - 4 | 05/30/14      | 3859.62                     | 60.91               | 61.06             | 0.15             | 3798.69                                |
| MW - 4 | 06/18/14      | 3859.62                     | 60.95               | 61.05             | 0.10             | 3798.66                                |
| MW - 4 | 06/27/14      | 3859.62                     | 61.00               | 61.08             | 0.08             | 3798.61                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 07/02/14      | 3859.62                     | 61.00               | 61.13             | 0.13             | 3798.60                                |
| MW - 4 | 07/10/14      | 3859.62                     | 60.95               | 61.15             | 0.20             | 3798.64                                |
| MW - 4 | 07/29/14      | 3859.62                     | 60.98               | 61.23             | 0.25             | 3798.60                                |
| MW - 4 | 07/30/14      | 3859.62                     | 60.98               | 61.23             | 0.25             | 3798.60                                |
| MW - 4 | 08/08/14      | 3859.62                     | 60.98               | 61.30             | 0.32             | 3798.59                                |
| MW - 4 | 08/19/14      | 3859.62                     | 60.97               | 61.31             | 0.34             | 3798.60                                |
| MW - 4 | 09/04/14      | 3859.62                     | 60.98               | 61.51             | 0.53             | 3798.56                                |
| MW - 4 | 09/11/14      | 3859.62                     | 61.04               | 61.40             | 0.36             | 3798.53                                |
| MW - 4 | 10/16/14      | 3859.62                     | 60.90               | 61.35             | 0.45             | 3798.65                                |
| MW - 4 | 10/22/14      | 3859.62                     | 60.95               | 61.29             | 0.34             | 3798.62                                |
| MW - 4 | 10/23/14      | 3859.62                     | 60.95               | 61.29             | 0.34             | 3798.62                                |
| MW - 4 | 11/24/14      | 3859.62                     | 60.96               | 61.62             | 0.66             | 3798.56                                |
| MW - 4 | 12/05/14      | 3859.62                     | 60.97               | 61.94             | 0.97             | 3798.50                                |
| MW - 4 | 12/12/14      | 3859.62                     | 60.95               | 61.84             | 0.89             | 3798.54                                |
| MW - 4 | 12/19/14      | 3859.62                     | 60.97               | 61.65             | 0.68             | 3798.55                                |
| MW - 4 | 01/07/15      | 3859.62                     | 61.03               | 61.85             | 0.82             | 3798.47                                |
| MW - 4 | 01/15/15      | 3859.62                     | 61.00               | 61.71             | 0.71             | 3798.51                                |
| MW - 4 | 02/05/15      | 3859.62                     | 60.98               | 61.85             | 0.87             | 3798.51                                |
| MW - 4 | 02/11/15      | 3859.62                     | 61.02               | 61.74             | 0.72             | 3798.49                                |
| MW - 4 | 02/20/15      | 3859.62                     | 61.00               | 61.90             | 0.90             | 3798.49                                |
| MW - 4 | 03/06/15      | 3859.62                     | 61.02               | 61.89             | 0.87             | 3798.47                                |
| MW - 4 | 03/11/15      | 3859.62                     | 61.01               | 61.92             | 0.91             | 3798.47                                |
| MW - 4 | 03/13/15      | 3859.62                     | 61.00               | 61.99             | 0.99             | 3798.47                                |
| MW - 4 | 03/17/15      | 3859.62                     | 61.08               | 61.78             | 0.70             | 3798.44                                |
| MW - 4 | 04/01/15      | 3859.62                     | 61.04               | 61.42             | 0.38             | 3798.52                                |
| MW - 4 | 04/09/15      | 3859.62                     | 61.07               | 61.91             | 0.84             | 3798.42                                |
| MW - 4 | 04/15/15      | 3859.62                     | 61.07               | 61.77             | 0.70             | 3798.45                                |
| MW - 4 | 04/17/15      | 3859.62                     | 61.13               | 61.64             | 0.51             | 3798.41                                |
| MW - 4 | 04/28/15      | 3859.62                     | 61.24               | 61.94             | 0.70             | 3798.28                                |
| MW - 4 | 05/19/15      | 3859.62                     | 61.06               | 62.12             | 1.06             | 3798.40                                |
| MW - 4 | 06/02/15      | 3859.62                     | 61.02               | 62.28             | 1.26             | 3798.41                                |
| MW - 4 | 06/11/15      | 3859.62                     | 61.12               | 61.93             | 0.81             | 3798.38                                |
| MW - 4 | 06/17/15      | 3859.62                     | 61.14               | 61.82             | 0.68             | 3798.38                                |
| MW - 4 | 06/25/15      | 3859.62                     | 61.13               | 61.85             | 0.72             | 3798.38                                |
| MW - 4 | 07/01/15      | 3859.62                     | 61.15               | 61.80             | 0.65             | 3798.37                                |
| MW - 4 | 07/08/15      | 3859.62                     | 61.16               | 61.91             | 0.75             | 3798.35                                |
| MW - 4 | 07/15/15      | 3859.62                     | 61.15               | 61.87             | 0.72             | 3798.36                                |
| MW - 4 | 07/22/15      | 3859.62                     | 61.09               | 62.28             | 1.19             | 3798.35                                |
| MW - 4 | 07/29/15      | 3859.62                     | 61.12               | 62.32             | 1.20             | 3798.32                                |
| MW - 4 | 07/31/15      | 3859.62                     | 61.20               | 61.88             | 0.68             | 3798.32                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 08/06/15      | 3859.62                     | 61.15               | 62.10             | 0.95             | 3798.33                                |
| MW - 4 | 08/12/15      | 3859.62                     | 61.12               | 62.24             | 1.12             | 3798.33                                |
| MW - 4 | 08/17/15      | 3859.62                     | 61.11               | 62.29             | 1.18             | 3798.33                                |
| MW - 4 | 08/19/15      | 3859.62                     | 61.13               | 62.35             | 1.22             | 3798.31                                |
| MW - 4 | 08/27/15      | 3859.62                     | 61.19               | 62.03             | 0.84             | 3798.30                                |
| MW - 4 | 09/03/15      | 3859.62                     | 61.20               | 62.00             | 0.80             | 3798.30                                |
| MW - 4 | 09/09/15      | 3859.62                     | 61.24               | 61.65             | 0.41             | 3798.32                                |
| MW - 4 | 09/11/15      | 3859.62                     | 61.29               | 61.53             | 0.24             | 3798.29                                |
| MW - 4 | 09/15/15      | 3859.62                     | 61.26               | 61.61             | 0.35             | 3798.31                                |
| MW - 4 | 09/22/15      | 3859.62                     | 61.25               | 61.74             | 0.49             | 3798.30                                |
| MW - 4 | 09/30/15      | 3859.62                     | 61.25               | 61.87             | 0.62             | 3798.28                                |
| MW - 4 | 10/06/15      | 3859.62                     | 61.27               | 61.86             | 0.59             | 3798.26                                |
| MW - 4 | 10/13/15      | 3859.62                     | 61.21               | 62.03             | 0.82             | 3798.29                                |
| MW - 4 | 10/22/15      | 3859.62                     | 61.31               | 61.72             | 0.41             | 3798.25                                |
| MW - 4 | 10/27/15      | 3859.62                     | 61.29               | 61.76             | 0.47             | 3798.26                                |
| MW - 4 | 11/11/15      | 3859.62                     | 61.23               | 62.18             | 0.95             | 3798.25                                |
| MW - 4 | 11/18/15      | 3859.62                     | 61.29               | 62.38             | 1.09             | 3798.17                                |
| MW - 4 | 12/03/15      | 3859.62                     | 61.15               | 62.87             | 1.72             | 3798.21                                |
| MW - 4 | 12/10/15      | 3859.62                     | 61.24               | 62.40             | 1.16             | 3798.21                                |
| MW - 4 | 12/22/15      | 3859.62                     | 61.26               | 62.22             | 0.96             | 3798.22                                |
| MW - 4 | 01/08/16      | 3859.62                     | 61.20               | 62.43             | 1.23             | 3798.24                                |
| MW - 4 | 01/14/16      | 3859.62                     | 61.17               | 62.77             | 1.60             | 3798.21                                |
| MW - 4 | 01/28/16      | 3859.62                     | 61.26               | 62.49             | 1.23             | 3798.18                                |
| MW - 4 | 02/02/16      | 3859.62                     | 61.34               | 62.22             | 0.88             | 3798.15                                |
| MW - 4 | 02/09/16      | 3859.62                     | 61.27               | 62.67             | 1.40             | 3798.14                                |
| MW - 4 | 03/02/16      | 3859.62                     | 61.14               | 63.38             | 2.24             | 3798.14                                |
| MW - 4 | 03/09/16      | 3859.62                     | 61.31               | 62.50             | 1.19             | 3798.13                                |
| MW - 4 | 03/17/16      | 3859.62                     | 61.26               | 62.87             | 1.61             | 3798.12                                |
| MW - 4 | 04/06/16      | 3859.62                     | 61.25               | 63.07             | 1.82             | 3798.10                                |
| MW - 4 | 04/13/16      | 3859.62                     | 61.45               | 61.78             | 0.33             | 3798.12                                |
| MW - 4 | 04/20/16      | 3859.62                     | 61.44               | 61.98             | 0.54             | 3798.10                                |
| MW - 4 | 04/27/16      | 3859.62                     | 61.42               | 62.17             | 0.75             | 3798.09                                |
| MW - 4 | 04/28/16      | 3859.62                     | 61.42               | 62.17             | 0.75             | 3798.09                                |
| MW - 4 | 05/05/16      | 3859.62                     | 61.46               | 61.88             | 0.42             | 3798.10                                |
| MW - 4 | 05/10/16      | 3859.62                     | 61.49               | 61.77             | 0.28             | 3798.09                                |
| MW - 4 | 06/08/16      | 3859.62                     | 61.31               | 62.77             | 1.46             | 3798.09                                |
| MW - 4 | 06/15/16      | 3859.62                     | 61.39               | 63.04             | 1.65             | 3797.98                                |
| MW - 4 | 06/21/16      | 3859.62                     | 61.28               | 63.28             | 2.00             | 3798.04                                |
| MW - 4 | 06/30/16      | 3859.62                     | 61.34               | 63.10             | 1.76             | 3798.02                                |
| MW - 4 | 07/01/16      | 3859.62                     | 61.34               | 63.10             | 1.76             | 3798.02                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED     | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|-------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 07/07/16          | 3859.62                     | 61.51               | 62.25             | 0.74             | 3798.00                                |
| MW - 4 | 07/15/16          | 3859.62                     | 61.50               | 62.21             | 0.71             | 3798.01                                |
| MW - 4 | 07/21/16          | 3859.62                     | 61.52               | 62.20             | 0.68             | 3798.00                                |
| MW - 4 | 07/28/16          | 3859.62                     | 61.51               | 62.30             | 0.79             | 3797.99                                |
| MW - 4 | 08/02/16          | 3859.62                     | 61.51               | 62.20             | 0.69             | 3798.01                                |
| MW - 4 | 08/09/16          | 3859.62                     | 61.49               | 62.50             | 1.01             | 3797.98                                |
| MW - 4 | 08/16/16          | 3859.62                     | 61.54               | 62.84             | 1.30             | 3797.89                                |
| MW - 4 | 08/25/16          | 3859.62                     | 61.49               | 63.18             | 1.69             | 3797.88                                |
| MW - 4 | 09/01/16          | 3859.62                     | 61.46               | 61.63             | 0.17             | 3798.13                                |
| MW - 4 | 09/08/16          | 3859.62                     | 61.41               | 63.74             | 2.33             | 3797.86                                |
| MW - 4 | 9/14/16-9/15/2016 | 3859.62                     | 61.40               | 63.87             | 2.47             | 3797.85                                |
| MW - 4 | 09/22/16          | 3859.62                     | 61.38               | 64.08             | 2.70             | 3797.84                                |
| MW - 4 | 09/29/16          | 3859.62                     | 61.38               | 64.22             | 2.84             | 3797.81                                |
| MW - 4 | 10/06/16          | 3859.62                     | 61.36               | 64.38             | 3.02             | 3797.81                                |
| MW - 4 | 10/13/16          | 3859.62                     | 61.37               | 64.49             | 3.12             | 3797.78                                |
| MW - 4 | 10/20/16          | 3859.62                     | 61.36               | 64.60             | 3.24             | 3797.77                                |
| MW - 4 | 10/27/16          | 3859.62                     | 61.34               | 64.72             | 3.38             | 3797.77                                |
| MW - 4 | 11/10/16          | 3859.62                     | 61.32               | 64.91             | 3.59             | 3797.76                                |
| MW - 4 | 11/16/16          | 3859.62                     | 61.31               | 65.04             | 3.73             | 3797.75                                |
| MW - 4 | 11/23/16          | 3859.62                     | 61.32               | 65.08             | 3.76             | 3797.74                                |
| MW - 4 | 12/09/16          | 3859.62                     | 61.24               | 65.11             | 3.87             | 3797.80                                |
| MW - 4 | 12/14/16          | 3859.62                     | 61.32               | 65.32             | 4.00             | 3797.70                                |
| MW - 4 | 12/28/16          | 3859.62                     | 61.24               | 65.34             | 4.10             | 3797.77                                |
| MW - 4 | 01/05/17          | 3859.62                     | 61.62               | 63.11             | 1.49             | 3797.78                                |
| MW - 4 | 01/12/17          | 3859.62                     | 61.68               | 62.83             | 1.15             | 3797.77                                |
| MW - 4 | 01/19/17          | 3859.62                     | 61.74               | 62.51             | 0.77             | 3797.76                                |
| MW - 4 | 01/20/17          | 3859.62                     | 61.74               | 62.51             | 0.77             | 3797.76                                |
| MW - 4 | 01/25/17          | 3859.62                     | 61.77               | 62.48             | 0.71             | 3797.74                                |
| MW - 4 | 02/02/17          | 3859.62                     | 61.79               | 62.32             | 0.53             | 3797.75                                |
| MW - 4 | 02/09/17          | 3859.62                     | 61.79               | 62.28             | 0.49             | 3797.76                                |
| MW - 4 | 02/17/07          | 3859.62                     | 61.80               | 62.47             | 0.67             | 3797.72                                |
| MW - 4 | 02/22/17          | 3859.62                     | 61.81               | 62.34             | 0.53             | 3797.73                                |
| MW - 4 | 03/02/17          | 3859.62                     | 61.82               | 62.58             | 0.76             | 3797.69                                |
| MW - 4 | 03/09/17          | 3859.62                     | 61.82               | 62.48             | 0.66             | 3797.70                                |
| MW - 4 | 03/16/17          | 3859.62                     | 61.86               | 62.42             | 0.56             | 3797.68                                |
| MW - 4 | 03/23/17          | 3859.62                     | 61.83               | 62.33             | 0.50             | 3797.72                                |
| MW - 4 | 03/30/17          | 3859.62                     | 61.86               | 62.50             | 0.64             | 3797.66                                |
| MW - 4 | 04/06/17          | 3859.62                     | 61.90               | 62.40             | 0.50             | 3797.65                                |
| MW - 4 | 04/12/17          | 3859.62                     | 61.92               | 62.42             | 0.50             | 3797.63                                |
| MW - 4 | 04/20/17          | 3859.62                     | 61.89               | 62.54             | 0.65             | 3797.63                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 04/27/17      | 3859.62                     | 61.91               | 62.40             | 0.49             | 3797.64                                |
| MW - 4 | 05/03/17      | 3859.62                     | 62.44               | 63.87             | 1.43             | 3796.97                                |
| MW - 4 | 05/11/17      | 3859.62                     | 61.94               | 62.53             | 0.59             | 3797.59                                |
| MW - 4 | 05/17/17      | 3859.62                     | 61.93               | 62.64             | 0.71             | 3797.58                                |
| MW - 4 | 05/26/17      | 3859.62                     | 61.94               | 62.95             | 1.01             | 3797.53                                |
| MW - 4 | 06/02/17      | 3859.62                     | 61.98               | 62.66             | 0.68             | 3797.54                                |
| MW - 4 | 06/08/17      | 3859.62                     | 61.98               | 62.49             | 0.51             | 3797.56                                |
| MW - 4 | 06/09/17      | 3859.62                     | 61.98               | 62.49             | 0.51             | 3797.56                                |
| MW - 4 | 06/14/17      | 3859.62                     | 62.02               | 62.68             | 0.66             | 3797.50                                |
| MW - 4 | 06/21/17      | 3859.62                     | 61.99               | 62.69             | 0.70             | 3797.53                                |
| MW - 4 | 06/30/17      | 3859.62                     | 62.05               | 62.64             | 0.59             | 3797.48                                |
| MW - 4 | 07/06/17      | 3859.62                     | 62.04               | 62.70             | 0.66             | 3797.48                                |
| MW - 4 | 07/13/17      | 3859.62                     | 62.04               | 62.74             | 0.70             | 3797.48                                |
| MW - 4 | 07/19/17      | 3859.62                     | 62.09               | 62.58             | 0.49             | 3797.46                                |
| MW - 4 | 07/23/17      | 3859.62                     | 62.05               | 62.67             | 0.62             | 3797.48                                |
| MW - 4 | 07/26/17      | 3859.62                     | 62.01               | 62.48             | 0.47             | 3797.54                                |
| MW - 4 | 08/23/17      | 3859.62                     | 62.05               | 63.18             | 1.13             | 3797.40                                |
| MW - 4 | 08/31/17      | 3859.62                     | 62.03               | 63.35             | 1.32             | 3797.39                                |
| MW - 4 | 09/20/17      | 3859.62                     | 62.04               | 63.50             | 1.46             | 3797.36                                |
| MW - 4 | 09/28/17      | 3859.62                     | 62.20               | 62.75             | 0.55             | 3797.34                                |
| MW - 4 | 10/05/17      | 3859.62                     | 62.22               | 62.75             | 0.53             | 3797.32                                |
| MW - 4 | 10/10/17      | 3859.62                     | 62.22               | 62.61             | 0.39             | 3797.34                                |
| MW - 4 | 10/12/17      | 3859.62                     | 62.22               | 62.68             | 0.46             | 3797.33                                |
| MW - 4 | 10/19/17      | 3859.62                     | 62.22               | 62.78             | 0.56             | 3797.32                                |
| MW - 4 | 11/02/17      | 3859.62                     | 62.24               | 62.91             | 0.67             | 3797.28                                |
| MW - 4 | 11/17/17      | 3859.62                     | 62.25               | 63.02             | 0.77             | 3797.25                                |
| MW - 4 | 11/22/17      | 3859.62                     | 62.27               | 63.04             | 0.77             | 3797.23                                |
| MW - 4 | 11/29/17      | 3859.62                     | 62.25               | 63.22             | 0.97             | 3797.22                                |
| MW - 4 | 12/20/17      | 3859.62                     | 62.22               | 63.58             | 1.36             | 3797.20                                |
| MW - 4 | 01/08/18      | 3859.62                     | 62.49               | 63.54             | 1.05             | 3796.97                                |
| MW - 4 | 01/18/18      | 3859.62                     | 62.30               | 63.50             | 1.20             | 3797.14                                |
| MW - 4 | 01/25/18      | 3859.62                     | 62.36               | 63.26             | 0.90             | 3797.13                                |
| MW - 4 | 02/01/18      | 3859.62                     | 62.45               | 62.92             | 0.47             | 3797.10                                |
| MW - 4 | 02/14/18      | 3859.62                     | 62.43               | 62.93             | 0.50             | 3797.12                                |
| MW - 4 | 03/01/18      | 3859.62                     | 62.46               | 63.19             | 0.73             | 3797.05                                |
| MW - 4 | 03/08/18      | 3859.62                     | 62.45               | 63.00             | 0.55             | 3797.09                                |
| MW - 4 | 03/22/18      | 3859.62                     | 62.49               | 63.09             | 0.60             | 3797.04                                |
| MW - 4 | 03/29/18      | 3859.62                     | 62.54               | 62.92             | 0.38             | 3797.02                                |
| MW - 4 | 04/05/18      | 3859.62                     | 62.54               | 62.91             | 0.37             | 3797.02                                |
| MW - 4 | 04/12/18      | 3859.62                     | 62.72               | 63.06             | 0.34             | 3796.85                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 04/30/18      | 3859.62                     | 62.71               | 63.36             | 0.65             | 3796.81                                |
| MW - 4 | 05/03/18      | 3859.62                     | 62.56               | 63.24             | 0.68             | 3796.96                                |
| MW - 4 | 05/08/18      | 3859.62                     | 62.74               | 63.31             | 0.57             | 3796.79                                |
| MW - 4 | 05/10/18      | 3859.62                     | 62.74               | 63.31             | 0.57             | 3796.79                                |
| MW - 4 | 05/17/18      | 3859.62                     | 62.25               | 63.25             | 1.00             | 3797.22                                |
| MW - 4 | 05/24/18      | 3859.62                     | 62.57               | 63.40             | 0.83             | 3796.93                                |
| MW - 4 | 06/21/18      | 3859.62                     | 62.62               | 63.40             | 0.78             | 3796.88                                |
| MW - 4 | 07/06/18      | 3859.62                     | 62.69               | 62.94             | 0.25             | 3796.89                                |
| MW - 4 | 07/05/18      | 3859.62                     | 62.69               | 62.94             | 0.25             | 3796.89                                |
| MW - 4 | 07/12/18      | 3859.62                     | 62.73               | 62.95             | 0.22             | 3796.86                                |
| MW - 4 | 07/18/18      | 3859.62                     | 62.74               | 62.95             | 0.21             | 3796.85                                |
| MW - 4 | 07/26/18      | 3859.62                     | 62.75               | 62.96             | 0.21             | 3796.84                                |
| MW - 4 | 08/02/18      | 3859.62                     | 62.75               | 63.12             | 0.37             | 3796.81                                |
| MW - 4 | 08/16/18      | 3859.62                     | 62.74               | 63.06             | 0.32             | 3796.83                                |
| MW - 4 | 08/23/18      | 3859.62                     | 62.75               | 63.12             | 0.37             | 3796.81                                |
| MW - 4 | 08/30/18      | 3859.62                     | 62.78               | 63.15             | 0.37             | 3796.78                                |
| MW - 4 | 09/13/18      | 3859.62                     | 62.82               | 63.20             | 0.38             | 3796.74                                |
| MW - 4 | 09/20/18      | 3859.62                     | 62.83               | 63.10             | 0.27             | 3796.75                                |
| MW - 4 | 10/25/18      | 3859.62                     | 62.84               | 63.46             | 0.62             | 3796.69                                |
| MW - 4 | 11/16/18      | 3859.62                     | 62.90               | 63.32             | 0.42             | 3796.66                                |
| MW - 4 | 11/20/18      | 3859.62                     | 62.93               | 63.22             | 0.29             | 3796.65                                |
| MW - 4 | 11/29/18      | 3859.62                     | 62.94               | 63.12             | 0.18             | 3796.65                                |
| MW - 4 | 12/06/18      | 3859.62                     | 62.95               | 63.27             | 0.32             | 3796.62                                |
| MW - 4 | 12/11/18      | 3859.62                     | 62.96               | 63.16             | 0.20             | 3796.63                                |
| MW - 4 | 12/18/18      | 3859.62                     | 62.95               | 63.21             | 0.26             | 3796.63                                |
| MW - 4 | 12/27/18      | 3859.62                     | 62.97               | 63.26             | 0.29             | 3796.61                                |
| MW - 4 | 01/04/19      | 3859.62                     | 62.97               | 63.31             | 0.34             | 3796.60                                |
| MW - 4 | 01/17/19      | 3859.62                     | 62.97               | 63.43             | 0.46             | 3796.58                                |
| MW - 4 | 01/30/19      | 3859.62                     | 62.96               | 63.64             | 0.68             | 3796.56                                |
| MW - 4 | 02/21/19      | 3859.62                     | 62.99               | 63.75             | 0.76             | 3796.52                                |
| MW - 4 | 03/12/19      | 3859.62                     | 62.96               | 64.00             | 1.04             | 3796.50                                |
| MW - 4 | 04/02/19      | 3859.62                     | 63.07               | 63.58             | 0.51             | 3796.47                                |
| MW - 4 | 04/04/19      | 3859.62                     | 63.11               | 63.35             | 0.24             | 3796.47                                |
| MW - 4 | 04/11/19      | 3859.62                     | 63.12               | 63.52             | 0.40             | 3796.44                                |
| MW - 4 | 04/18/19      | 3859.62                     | 63.12               | 63.39             | 0.27             | 3796.46                                |
| MW - 4 | 04/26/19      | 3859.62                     | 63.13               | 63.43             | 0.30             | 3796.45                                |
| MW - 4 | 05/29/19      | 3859.62                     | 63.12               | 63.86             | 0.74             | 3796.39                                |
| MW - 4 | 08/13/19      | 3859.62                     | 63.15               | 64.83             | 1.68             | 3796.22                                |
| MW - 4 | 08/28/19      | 3859.62                     | 63.18               | 64.72             | 1.54             | 3796.21                                |
| MW - 4 | 10/01/19      | 3859.62                     | 63.14               | 65.62             | 2.48             | 3796.11                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 10/29/19      | 3859.62                     | 63.09               | 66.33             | 3.24             | 3796.04                                |
| MW - 4 | 01/30/20      | 3859.62                     | 63.17               | 66.97             | 3.80             | 3795.88                                |
| MW - 4 | 02/07/20      | 3859.62                     | 63.26               | 66.52             | 3.26             | 3795.87                                |
| MW - 4 | 02/12/20      | 3859.62                     | 63.36               | 66.00             | 2.64             | 3795.86                                |
| MW - 4 | 02/20/20      | 3859.62                     | 63.57               | 64.84             | 1.27             | 3795.86                                |
| MW - 4 | 02/28/20      | 3859.62                     | 63.37               | 66.01             | 2.64             | 3795.85                                |
| MW - 4 | 03/06/20      | 3859.62                     | 63.40               | 65.99             | 2.59             | 3795.83                                |
| MW - 4 | 03/11/20      | 3859.62                     | 63.52               | 65.25             | 1.73             | 3795.84                                |
| MW - 4 | 03/18/20      | 3859.62                     | 63.38               | 66.05             | 2.67             | 3795.84                                |
| MW - 4 | 05/13/20      | 3859.62                     | 63.35               | 67.10             | 3.75             | 3795.71                                |
| MW - 4 | 05/19/20      | 3859.62                     | 63.35               | 67.12             | 3.77             | 3795.70                                |
| MW - 4 | 06/10/20      | 3859.62                     | 63.40               | 67.12             | 3.72             | 3795.66                                |
| MW - 4 | 06/12/20      | 3859.62                     | 63.40               | 67.12             | 3.72             | 3795.66                                |
| MW - 4 | 07/16/20      | 3859.62                     | 63.46               | 67.20             | 3.74             | 3795.60                                |
| MW - 4 | 07/20/20      | 3859.62                     | 63.48               | 67.25             | 3.77             | 3795.57                                |
| MW - 4 | 08/07/20      | 3859.62                     | 63.51               | 67.23             | 3.72             | 3795.55                                |
| MW - 4 | 08/21/20      | 3859.62                     | 63.53               | 67.25             | 3.72             | 3795.53                                |
| MW - 4 | 08/26/20      | 3859.62                     | 63.65               | 66.80             | 3.15             | 3795.50                                |
| MW - 4 | 09/03/20      | 3859.62                     | 63.58               | 67.22             | 3.64             | 3795.49                                |
| MW - 4 | 10/08/20      | 3859.62                     | 63.56               | 67.29             | 3.73             | 3795.50                                |
| MW - 4 | 10/20/20      | 3859.62                     | 63.60               | 67.26             | 3.66             | 3795.47                                |
| MW - 4 | 11/19/20      | 3859.62                     | 63.62               | 67.38             | 3.76             | 3795.44                                |
| MW - 4 | 12/18/20      | 3859.62                     | 63.67               | 67.48             | 3.81             | 3795.38                                |
| MW - 4 | 12/29/20      | 3859.62                     | 63.68               | 67.51             | 3.83             | 3795.37                                |
| MW - 4 | 01/12/21      | 3859.62                     | 63.73               | 67.56             | 3.83             | 3795.32                                |
| MW - 4 | 01/20/21      | 3859.62                     | 63.72               | 67.52             | 3.80             | 3795.33                                |
| MW - 4 | 01/28/21      | 3859.62                     | 63.72               | 67.56             | 3.84             | 3795.32                                |
| MW - 4 | 02/02/21      | 3859.62                     | 63.74               | 67.70             | 3.96             | 3795.29                                |
| MW - 4 | 02/24/21      | 3859.62                     | 63.77               | 67.70             | 3.93             | 3795.26                                |
| MW - 4 | 03/02/21      | 3859.62                     | 63.81               | 67.58             | 3.77             | 3795.24                                |
| MW - 4 | 03/11/21      | 3859.62                     | 63.80               | 67.70             | 3.90             | 3795.24                                |
| MW - 4 | 03/24/21      | 3859.62                     | 63.83               | 67.75             | 3.92             | 3795.20                                |
| MW - 4 | 04/23/21      | 3859.62                     | 63.87               | 67.91             | 4.04             | 3795.14                                |
| MW - 4 | 05/07/21      | 3859.62                     | 63.88               | 67.93             | 4.05             | 3795.13                                |
| MW - 4 | 05/28/21      | 3859.62                     | 63.90               | 68.02             | 4.12             | 3795.10                                |
| MW - 4 | 06/23/21      | 3859.62                     | 63.93               | 68.09             | 4.16             | 3795.07                                |
| MW - 4 | 07/07/21      | 3859.62                     | 63.98               | 68.18             | 4.20             | 3795.01                                |
| MW - 4 | 07/23/21      | 3859.62                     | 63.99               | 68.22             | 4.23             | 3795.00                                |
| MW - 4 | 07/29/21      | 3859.62                     | 64.00               | 68.28             | 4.28             | 3794.98                                |
| MW - 4 | 08/05/21      | 3859.62                     | 64.03               | 68.30             | 4.27             | 3794.95                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 4 | 08/20/21      | 3859.62                     | 64.07               | 68.35             | 4.28             | 3794.91                                |
| MW - 4 | 09/10/21      | 3859.62                     | 64.10               | 68.40             | 4.30             | 3794.88                                |
| MW - 4 | 09/17/21      | 3859.62                     | 64.12               | 68.44             | 4.32             | 3794.85                                |
| MW - 4 | 09/21/21      | 3859.62                     | 64.12               | 68.41             | 4.29             | 3794.86                                |
| MW - 4 | 10/07/21      | 3859.62                     | 64.15               | 68.49             | 4.34             | 3794.82                                |
| MW - 4 | 10/22/21      | 3859.62                     | 64.19               | 68.52             | 4.33             | 3794.78                                |
| MW - 4 | 10/26/21      | 3859.62                     | 64.20               | 68.42             | 4.22             | 3794.79                                |
| MW - 4 | 11/15/21      | 3859.62                     | 64.21               | 68.59             | 4.38             | 3794.75                                |
| MW - 4 | 11/23/21      | 3859.62                     | 64.22               | 68.44             | 4.22             | 3794.77                                |
| MW - 4 | 12/15/21      | 3859.62                     | 64.22               | 68.60             | 4.38             | 3794.74                                |
| MW - 4 | 12/29/21      | 3859.62                     | 64.34               | 68.55             | 4.21             | 3794.65                                |
| MW - 4 | 01/06/22      | 3859.62                     | 64.39               | 68.61             | 4.22             | 3794.60                                |
| MW - 4 | 01/31/22      | 3859.62                     | 64.34               | 68.72             | 4.38             | 3794.62                                |
| MW - 4 | 02/10/22      | 3859.62                     | 64.36               | 68.73             | 4.37             | 3794.60                                |
| MW - 4 | 02/18/22      | 3859.62                     | 64.37               | 68.75             | 4.38             | 3794.59                                |
| MW - 4 | 02/25/22      | 3859.62                     | 64.40               | 68.72             | 4.32             | 3794.57                                |
| MW - 4 | 03/10/22      | 3859.62                     | 64.45               | 68.14             | 3.69             | 3794.62                                |
| MW - 4 | 03/23/22      | 3859.62                     | 64.45               | 68.75             | 4.30             | 3794.53                                |
| MW - 4 | 04/07/22      | 3859.62                     | 64.45               | 68.80             | 4.35             | 3794.52                                |
| MW - 4 | 04/14/22      | 3859.62                     | 64.46               | 68.86             | 4.40             | 3794.50                                |
| MW - 4 | 05/03/22      | 3859.62                     | 64.45               | 68.75             | 4.30             | 3794.53                                |
| MW - 4 | 05/27/22      | 3859.62                     | 64.52               | 68.88             | 4.36             | 3794.45                                |
| MW - 4 | 06/15/22      | 3859.62                     | 64.53               | 68.97             | 4.44             | 3794.42                                |
| MW - 4 | 06/29/22      | 3859.62                     | 64.55               | 68.95             | 4.40             | 3794.41                                |
| MW - 4 | 07/21/22      | 3859.62                     | 64.58               | 68.98             | 4.40             | 3794.38                                |
| MW - 4 | 07/27/22      | 3859.62                     | 64.60               | 69.32             | 4.72             | 3794.31                                |
| MW - 4 | 08/03/22      | 3859.62                     | 64.78               | 69.09             | 4.31             | 3794.19                                |
| MW - 4 | 08/10/22      | 3859.62                     | 64.61               | 68.95             | 4.34             | 3794.36                                |
| MW - 4 | 09/22/22      | 3859.62                     | 64.65               | 69.25             | 4.60             | 3794.28                                |
| MW - 4 | 09/30/22      | 3859.62                     | 64.68               | 69.11             | 4.43             | 3794.28                                |
| MW - 4 | 10/22/22      | 3859.62                     | 64.69               | 69.13             | 4.44             | 3794.26                                |
| MW - 4 | 10/27/22      | 3859.62                     | 64.72               | 69.13             | 4.41             | 3794.24                                |
| MW - 4 | 11/07/22      | 3859.62                     | 64.73               | 69.19             | 4.46             | 3794.22                                |
| MW - 4 | 10/27/22      | 3859.62                     | 64.76               | 69.25             | 4.49             | 3794.19                                |
| MW - 4 | 12/23/22      | 3859.62                     | 64.82               | 69.35             | 4.53             | 3794.12                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 6 | 03/24/00      | 3862.47                     | -                   | 57.43             | 0.00             | 3805.04                                |
| MW - 6 | 06/14/00      | 3862.47                     | -                   | 57.98             | 0.00             | 3804.49                                |
| MW - 6 | 09/22/00      | 3862.47                     | -                   | 56.82             | 0.00             | 3805.65                                |
| MW - 6 | 12/28/00      | 3862.47                     | -                   | 57.03             | 0.00             | 3805.44                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 6 | 03/14/01      | 3862.47                     | -                   | 57.14             | 0.00             | 3805.33                                |
| MW - 6 | 06/06/01      | 3862.47                     | -                   | 57.35             | 0.00             | 3805.12                                |
| MW - 6 | 09/28/01      | 3862.47                     | -                   | 57.42             | 0.00             | 3805.05                                |
| MW - 6 | 11/17/01      | 3862.47                     | -                   | 57.77             | 0.00             | 3804.70                                |
| MW - 6 | 03/26/02      | 3862.47                     | -                   | 58.05             | 0.00             | 3804.42                                |
| MW - 6 | 06/26/02      | 3862.47                     | -                   | 57.90             | 0.00             | 3804.57                                |
| MW - 6 | 09/25/02      | 3862.47                     | -                   | 58.13             | 0.00             | 3804.34                                |
| MW - 6 | 12/10/02      | 3862.47                     | -                   | 58.15             | 0.00             | 3804.32                                |
| MW - 6 | 03/10/03      | 3862.47                     | -                   | 58.19             | 0.00             | 3804.28                                |
| MW - 6 | 06/09/03      | 3862.47                     | -                   | 58.30             | 0.00             | 3804.17                                |
| MW - 6 | 09/03/03      | 3862.47                     | -                   | 58.42             | 0.00             | 3804.05                                |
| MW - 6 | 12/08/03      | 3862.47                     | -                   | 58.49             | 0.00             | 3803.98                                |
| MW - 6 | 03/01/04      | 3862.47                     | -                   | 58.67             | 0.00             | 3803.80                                |
| MW - 6 | 05/19/04      | 3862.47                     | -                   | 58.49             | 0.00             | 3803.98                                |
| MW - 6 | 08/26/04      | 3862.47                     | -                   | 58.71             | 0.00             | 3803.76                                |
| MW - 6 | 12/09/04      | 3862.47                     | -                   | 57.00             | 0.00             | 3805.47                                |
| MW - 6 | 03/17/05      | 3862.47                     | -                   | 57.18             | 0.00             | 3805.29                                |
| MW - 6 | 06/15/05      | 3862.47                     | -                   | 57.60             | 0.00             | 3804.87                                |
| MW - 6 | 09/14/05      | 3862.47                     | -                   | 57.87             | 0.00             | 3804.60                                |
| MW - 6 | 12/13/05      | 3862.47                     | -                   | 58.18             | 0.00             | 3804.29                                |
| MW - 6 | 03/15/06      | 3862.47                     | -                   | 58.45             | 0.00             | 3804.02                                |
| MW - 6 | 06/14/06      | 3862.47                     | -                   | 58.69             | 0.00             | 3803.78                                |
| MW - 6 | 09/13/06      | 3862.47                     | -                   | 58.84             | 0.00             | 3803.63                                |
| MW - 6 | 12/06/06      | 3862.47                     | -                   | 58.95             | 0.00             | 3803.52                                |
| MW - 6 | 03/01/07      | 3862.47                     | -                   | 59.01             | 0.00             | 3803.46                                |
| MW - 6 | 05/24/07      | 3862.47                     | -                   | 59.11             | 0.00             | 3803.36                                |
| MW - 6 | 08/23/07      | 3862.47                     | -                   | 59.08             | 0.00             | 3803.39                                |
| MW - 6 | 11/08/07      | 3862.47                     | -                   | 59.23             | 0.00             | 3803.24                                |
| MW - 6 | 03/04/08      | 3862.47                     | -                   | 59.34             | 0.00             | 3803.13                                |
| MW - 6 | 06/11/08      | 3862.47                     | -                   | 59.41             | 0.00             | 3803.06                                |
| MW - 6 | 09/09/08      | 3862.47                     | -                   | 59.56             | 0.00             | 3802.91                                |
| MW - 6 | 12/11/08      | 3862.47                     | -                   | 59.61             | 0.00             | 3802.86                                |
| MW - 6 | 02/26/09      | 3862.47                     | -                   | 59.78             | 0.00             | 3802.69                                |
| MW - 6 | 05/21/09      | 3862.47                     | -                   | 61.11             | 0.00             | 3801.36                                |
| MW - 6 | 08/18/09      | 3862.47                     | -                   | 59.89             | 0.00             | 3802.58                                |
| MW - 6 | 12/09/09      | 3862.47                     | -                   | 59.94             | 0.00             | 3802.53                                |
| MW - 6 | 01/06/10      | 3862.47                     | -                   | 59.96             | 0.00             | 3802.51                                |
| MW - 6 | 01/06/10      | 3862.47                     | -                   | 59.96             | 0.00             | 3802.51                                |
| MW - 6 | 02/22/10      | 3862.47                     | -                   | 60.02             | 0.00             | 3802.45                                |
| MW - 6 | 06/04/10      | 3862.47                     | -                   | 60.16             | 0.00             | 3802.31                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 6 | 08/26/10      | 3862.47                     | -                   | 60.16             | 0.00             | 3802.31                                |
| MW - 6 | 11/30/10      | 3862.47                     | -                   | 59.96             | 0.00             | 3802.51                                |
| MW - 6 | 03/08/11      | 3862.47                     | -                   | 59.95             | 0.00             | 3802.52                                |
| MW - 6 | 05/26/11      | 3862.47                     | -                   | 59.95             | 0.00             | 3802.52                                |
| MW - 6 | 08/18/11      | 3862.47                     | -                   | 60.33             | 0.00             | 3802.14                                |
| MW - 6 | 11/15/11      | 3862.47                     | -                   | 60.37             | 0.00             | 3802.10                                |
| MW - 6 | 02/29/12      | 3862.47                     | -                   | 61.57             | 0.00             | 3800.90                                |
| MW - 6 | 05/01/12      | 3862.47                     | -                   | 60.63             | 0.00             | 3801.84                                |
| MW - 6 | 08/10/12      | 3862.47                     | -                   | 60.99             | 0.00             | 3801.48                                |
| MW - 6 | 11/28/12      | 3862.47                     | -                   | 60.95             | 0.00             | 3801.52                                |
| MW - 6 | 02/21/13      | 3862.47                     | -                   | 61.10             | 0.00             | 3801.37                                |
| MW - 6 | 05/15/13      | 3862.47                     | -                   | 61.09             | 0.00             | 3801.38                                |
| MW - 6 | 08/21/13      | 3862.47                     | -                   | 61.20             | 0.00             | 3801.27                                |
| MW - 6 | 11/11/13      | 3862.47                     | -                   | 61.29             | 0.00             | 3801.18                                |
| MW - 6 | 02/20/14      | 3862.47                     | -                   | 61.35             | 0.00             | 3801.12                                |
| MW - 6 | 05/20/14      | 3862.47                     | -                   | 61.35             | 0.00             | 3801.12                                |
| MW - 6 | 07/29/14      | 3862.47                     | -                   | 61.50             | 0.00             | 3800.97                                |
| MW - 6 | 08/19/14      | 3862.47                     | -                   | 61.41             | 0.00             | 3801.06                                |
| MW - 6 | 10/30/14      | 3862.47                     | -                   | 61.43             | 0.00             | 3801.04                                |
| MW - 6 | 11/24/14      | 3862.47                     | -                   | 61.45             | 0.00             | 3801.02                                |
| MW - 6 | 02/11/15      | 3862.47                     | -                   | 61.57             | 0.00             | 3800.90                                |
| MW - 6 | 03/11/15      | 3862.47                     | -                   | 61.64             | 0.00             | 3800.83                                |
| MW - 6 | 04/17/15      | 3862.47                     | -                   | 61.68             | 0.00             | 3800.79                                |
| MW - 6 | 05/19/15      | 3862.47                     | -                   | 61.66             | 0.00             | 3800.81                                |
| MW - 6 | 07/31/15      | 3862.47                     | -                   | 61.79             | 0.00             | 3800.68                                |
| MW - 6 | 08/12/15      | 3862.47                     | -                   | 61.78             | 0.00             | 3800.69                                |
| MW - 6 | 09/11/15      | 3862.47                     | -                   | 61.87             | 0.00             | 3800.60                                |
| MW - 6 | 11/11/15      | 3862.47                     | -                   | 61.86             | 0.00             | 3800.61                                |
| MW - 6 | 02/02/16      | 3862.47                     | -                   | 62.00             | 0.00             | 3800.47                                |
| MW - 6 | 04/28/16      | 3862.47                     | -                   | 62.01             | 0.00             | 3800.46                                |
| MW - 6 | 05/10/16      | 3862.47                     | -                   | 62.04             | 0.00             | 3800.43                                |
| MW - 6 | 07/01/16      | 3862.47                     | -                   | 62.12             | 0.00             | 3800.35                                |
| MW - 6 | 07/29/16      | 3862.47                     | -                   | 62.15             | 0.00             | 3800.32                                |
| MW - 6 | 08/09/16      | 3862.47                     | -                   | 61.94             | 0.00             | 3800.53                                |
| MW - 6 | 09/15/16      | 3862.47                     | -                   | 62.18             | 0.00             | 3800.29                                |
| MW - 6 | 11/15/16      | 3862.47                     | -                   | 62.27             | 0.00             | 3800.20                                |
| MW - 6 | 12/14/16      | 3862.47                     | -                   | 62.32             | 0.00             | 3800.15                                |
| MW - 6 | 01/20/17      | 3862.47                     | -                   | 62.42             | 0.00             | 3800.05                                |
| MW - 6 | 02/22/17      | 3862.47                     | -                   | 62.41             | 0.00             | 3800.06                                |
| MW - 6 | 05/17/17      | 3862.47                     | -                   | 62.57             | 0.00             | 3799.90                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 6 | 06/09/17      | 3862.47                     | -                   | 62.62             | 0.00             | 3799.85                                |
| MW - 6 | 07/26/17      | 3862.47                     | -                   | 62.60             | 0.00             | 3799.87                                |
| MW - 6 | 08/23/17      | 3862.47                     | -                   | 62.70             | 0.00             | 3799.77                                |
| MW - 6 | 10/10/17      | 3862.47                     | -                   | 62.39             | 0.00             | 3800.08                                |
| MW - 6 | 11/29/17      | 3862.47                     | -                   | 62.79             | 0.00             | 3799.68                                |
| MW - 6 | 01/08/18      | 3862.47                     | -                   | 62.81             | 0.00             | 3799.66                                |
| MW - 6 | 02/13/18      | 3862.47                     | -                   | 62.93             | 0.00             | 3799.54                                |
| MW - 6 | 04/30/18      | 3862.47                     | -                   | 62.97             | 0.00             | 3799.50                                |
| MW - 6 | 05/17/18      | 3862.47                     | -                   | 63.10             | 0.00             | 3799.37                                |
| MW - 6 | 07/05/18      | 3862.47                     | -                   | 63.10             | 0.00             | 3799.37                                |
| MW - 6 | 07/26/18      | 3862.47                     | -                   | 63.14             | 0.00             | 3799.33                                |
| MW - 6 | 08/16/18      | 3862.47                     | -                   | 63.24             | 0.00             | 3799.23                                |
| MW - 6 | 11/28/18      | 3862.47                     | -                   | 63.34             | 0.00             | 3799.13                                |
| MW - 6 | 12/27/18      | 3862.47                     | -                   | 63.42             | 0.00             | 3799.05                                |
| MW - 6 | 01/17/19      | 3862.47                     | -                   | 63.44             | 0.00             | 3799.03                                |
| MW - 6 | 02/21/19      | 3862.47                     | -                   | 63.47             | 0.00             | 3799.00                                |
| MW - 6 | 04/04/19      | 3862.47                     | -                   | 63.54             | 0.00             | 3798.93                                |
| MW - 6 | 05/30/19      | 3862.47                     | -                   | 63.62             | 0.00             | 3798.85                                |
| MW - 6 | 08/28/19      | 3862.47                     | -                   | 63.74             | 0.00             | 3798.73                                |
| MW - 6 | 10/30/19      | 3862.47                     | -                   | 63.96             | 0.00             | 3798.51                                |
| MW - 6 | 03/18/20      | 3862.47                     | -                   | 64.17             | 0.00             | 3798.30                                |
| MW - 6 | 05/13/20      | 3862.47                     | -                   | 64.26             | 0.00             | 3798.21                                |
| MW - 6 | 06/09/20      | 3862.47                     | -                   | 64.34             | 0.00             | 3798.13                                |
| MW - 6 | 07/16/20      | 3862.47                     | -                   | 64.36             | 0.00             | 3798.11                                |
| MW - 6 | 08/26/20      | 3862.47                     | -                   | 65.42             | 0.00             | 3797.05                                |
| MW - 6 | 12/17/20      | 3862.47                     | -                   | 64.60             | 0.00             | 3797.87                                |
| MW - 6 | 01/28/21      | 3862.47                     | -                   | 64.62             | 0.00             | 3797.85                                |
| MW - 6 | 03/23/21      | 3862.47                     | -                   | 64.71             | 0.00             | 3797.76                                |
| MW - 6 | 06/23/21      | 3862.47                     | -                   | 64.88             | 0.00             | 3797.59                                |
| MW - 6 | 07/22/21      | 3862.47                     | -                   | 64.88             | 0.00             | 3797.59                                |
| MW - 6 | 09/10/21      | 3862.47                     | -                   | 64.94             | 0.00             | 3797.53                                |
| MW - 6 | 10/26/21      | 3862.47                     | -                   | 64.95             | 0.00             | 3797.52                                |
| MW - 6 | 12/15/21      | 3862.47                     | -                   | 65.10             | 0.00             | 3797.37                                |
| MW - 6 | 02/10/22      | 3862.47                     | -                   | 65.16             | 0.00             | 3797.31                                |
| MW - 6 | 05/04/22      | 3862.47                     | -                   | 65.22             | 0.00             | 3797.25                                |
| MW - 6 | 08/02/22      | 3862.47                     | -                   | 65.34             | 0.00             | 3797.13                                |
| MW - 6 | 10/28/22      | 3862.47                     | -                   | 65.44             | 0.00             | 3797.03                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 7 | 03/24/00      | 3859.31                     | -                   | 57.17             | 0.00             | 3802.14                                |
| MW - 7 | 06/14/00      | 3859.31                     | -                   | 57.72             | 0.00             | 3801.59                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 09/22/00      | 3859.31                     | -                   | 56.79             | 0.00             | 3802.52                                |
| MW - 7 | 12/28/00      | 3859.31                     | -                   | 56.96             | 0.00             | 3802.35                                |
| MW - 7 | 03/14/01      | 3859.31                     | -                   | 57.11             | 0.00             | 3802.20                                |
| MW - 7 | 06/06/01      | 3859.31                     | -                   | 57.20             | 0.00             | 3802.11                                |
| MW - 7 | 09/28/01      | 3859.31                     | -                   | 57.32             | 0.00             | 3801.99                                |
| MW - 7 | 11/17/01      | 3859.31                     | -                   | 57.77             | 0.00             | 3801.54                                |
| MW - 7 | 03/26/02      | 3859.31                     | -                   | 57.82             | 0.00             | 3801.49                                |
| MW - 7 | 06/26/02      | 3859.31                     | -                   | 57.73             | 0.00             | 3801.58                                |
| MW - 7 | 09/25/02      | 3859.31                     | -                   | 57.90             | 0.00             | 3801.41                                |
| MW - 7 | 12/10/02      | 3859.31                     | -                   | 57.91             | 0.00             | 3801.40                                |
| MW - 7 | 03/10/03      | 3859.31                     | -                   | 58.02             | 0.00             | 3801.29                                |
| MW - 7 | 06/09/03      | 3859.31                     | -                   | 58.13             | 0.00             | 3801.18                                |
| MW - 7 | 09/03/03      | 3859.31                     | -                   | 58.20             | 0.00             | 3801.11                                |
| MW - 7 | 12/08/03      | 3859.31                     | -                   | 58.28             | 0.00             | 3801.03                                |
| MW - 7 | 03/01/04      | 3859.31                     | -                   | 58.42             | 0.00             | 3800.89                                |
| MW - 7 | 05/19/04      | 3859.31                     | -                   | 58.29             | 0.00             | 3801.02                                |
| MW - 7 | 08/26/04      | 3859.31                     | -                   | 58.50             | 0.00             | 3800.81                                |
| MW - 7 | 12/09/04      | 3859.31                     | -                   | 57.12             | 0.00             | 3802.19                                |
| MW - 7 | 03/17/05      | 3859.31                     | -                   | 57.25             | 0.00             | 3802.06                                |
| MW - 7 | 06/15/05      | 3859.31                     | -                   | 57.49             | 0.00             | 3801.82                                |
| MW - 7 | 09/14/05      | 3859.31                     | -                   | 57.74             | 0.00             | 3801.57                                |
| MW - 7 | 12/13/05      | 3859.31                     | -                   | 58.00             | 0.00             | 3801.31                                |
| MW - 7 | 03/15/06      | 3859.31                     | -                   | 58.21             | 0.00             | 3801.10                                |
| MW - 7 | 06/14/06      | 3859.31                     | -                   | 58.40             | 0.00             | 3800.91                                |
| MW - 7 | 09/13/06      | 3859.31                     | -                   | 58.53             | 0.00             | 3800.78                                |
| MW - 7 | 12/06/06      | 3859.31                     | -                   | 58.62             | 0.00             | 3800.69                                |
| MW - 7 | 03/01/07      | 3859.31                     | sheen               | 58.74             | 0.00             | 3800.57                                |
| MW - 7 | 05/24/07      | 3859.31                     | 58.73               | 58.94             | 0.21             | 3800.55                                |
| MW - 7 | 05/29/07      | 3859.31                     | 58.71               | 59.12             | 0.41             | 3800.54                                |
| MW - 7 | 06/05/07      | 3859.31                     | 58.76               | 58.84             | 0.08             | 3800.54                                |
| MW - 7 | 06/12/07      | 3859.31                     | 58.79               | 58.83             | 0.04             | 3800.51                                |
| MW - 7 | 06/18/07      | 3859.31                     | 58.75               | 59.40             | 0.65             | 3800.46                                |
| MW - 7 | 06/29/07      | 3859.31                     | 58.76               | 58.84             | 0.08             | 3800.54                                |
| MW - 7 | 07/03/07      | 3859.31                     | 58.76               | 59.01             | 0.25             | 3800.51                                |
| MW - 7 | 07/10/07      | 3859.31                     | 58.82               | 58.88             | 0.06             | 3800.48                                |
| MW - 7 | 07/18/07      | 3859.31                     | 58.80               | 58.88             | 0.08             | 3800.50                                |
| MW - 7 | 07/30/07      | 3859.31                     | 58.82               | 58.90             | 0.08             | 3800.48                                |
| MW - 7 | 08/06/07      | 3859.31                     | 58.83               | 58.91             | 0.08             | 3800.47                                |
| MW - 7 | 08/13/07      | 3859.31                     | 58.78               | 59.08             | 0.30             | 3800.49                                |
| MW - 7 | 08/23/07      | 3859.31                     | 58.82               | 59.11             | 0.29             | 3800.45                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 08/31/07      | 3859.31                     | 58.79               | 59.19             | 0.40             | 3800.46                                |
| MW - 7 | 09/17/07      | 3859.31                     | 58.84               | 59.01             | 0.17             | 3800.44                                |
| MW - 7 | 09/28/07      | 3859.31                     | 58.85               | 59.10             | 0.25             | 3800.42                                |
| MW - 7 | 10/05/07      | 3859.31                     | 58.86               | 58.92             | 0.06             | 3800.44                                |
| MW - 7 | 10/12/07      | 3859.31                     | 58.87               | 59.00             | 0.13             | 3800.42                                |
| MW - 7 | 11/08/07      | 3859.31                     | 59.39               | 59.41             | 0.02             | 3799.92                                |
| MW - 7 | 11/09/07      | 3859.31                     | sheen               | 59.14             | 0.00             | 3800.17                                |
| MW - 7 | 12/13/07      | 3859.31                     | 59.22               | 59.66             | 0.44             | 3800.02                                |
| MW - 7 | 01/10/08      | 3859.31                     | 58.88               | 59.44             | 0.56             | 3800.35                                |
| MW - 7 | 01/16/08      | 3859.31                     | 58.92               | 59.45             | 0.53             | 3800.31                                |
| MW - 7 | 01/22/08      | 3859.31                     | 58.92               | 59.73             | 0.81             | 3800.27                                |
| MW - 7 | 02/07/08      | 3859.31                     | 58.94               | 59.36             | 0.42             | 3800.31                                |
| MW - 7 | 02/12/08      | 3859.31                     | 58.99               | 59.26             | 0.27             | 3800.28                                |
| MW - 7 | 02/20/08      | 3859.31                     | 58.98               | 59.22             | 0.24             | 3800.29                                |
| MW - 7 | 02/27/08      | 3859.31                     | 58.99               | 59.20             | 0.21             | 3800.29                                |
| MW - 7 | 03/04/08      | 3859.31                     | 58.99               | 59.19             | 0.20             | 3800.29                                |
| MW - 7 | 03/13/08      | 3859.31                     | 58.97               | 59.42             | 0.45             | 3800.27                                |
| MW - 7 | 03/20/08      | 3859.31                     | 60.11               | 60.47             | 0.36             | 3799.15                                |
| MW - 7 | 03/23/08      | 3859.31                     | 58.97               | 59.42             | 0.45             | 3800.27                                |
| MW - 7 | 04/09/08      | 3859.31                     | 58.98               | 59.43             | 0.45             | 3800.26                                |
| MW - 7 | 04/18/08      | 3859.31                     | 59.02               | 59.45             | 0.43             | 3800.23                                |
| MW - 7 | 04/25/08      | 3859.31                     | 59.05               | 59.45             | 0.40             | 3800.20                                |
| MW - 7 | 04/30/08      | 3859.31                     | 59.01               | 59.40             | 0.39             | 3800.24                                |
| MW - 7 | 05/16/08      | 3859.31                     | 59.03               | 59.45             | 0.42             | 3800.22                                |
| MW - 7 | 06/03/08      | 3859.31                     | 59.08               | 59.42             | 0.34             | 3800.18                                |
| MW - 7 | 06/11/08      | 3859.31                     | 59.06               | 59.43             | 0.37             | 3800.19                                |
| MW - 7 | 06/18/08      | 3859.31                     | 59.09               | 59.44             | 0.35             | 3800.17                                |
| MW - 7 | 06/25/08      | 3859.31                     | 59.07               | 59.42             | 0.35             | 3800.19                                |
| MW - 7 | 07/01/08      | 3859.31                     | 59.08               | 59.42             | 0.34             | 3800.18                                |
| MW - 7 | 07/09/08      | 3859.31                     | 59.12               | 59.46             | 0.34             | 3800.14                                |
| MW - 7 | 07/15/08      | 3859.31                     | 59.11               | 59.45             | 0.34             | 3800.15                                |
| MW - 7 | 07/23/08      | 3859.31                     | 59.11               | 59.43             | 0.32             | 3800.15                                |
| MW - 7 | 08/13/08      | 3859.31                     | 59.13               | 59.52             | 0.39             | 3800.12                                |
| MW - 7 | 09/09/08      | 3859.31                     | 59.12               | 59.59             | 0.47             | 3800.12                                |
| MW - 7 | 09/11/08      | 3859.31                     | 59.15               | 59.64             | 0.49             | 3800.09                                |
| MW - 7 | 09/22/08      | 3859.31                     | 59.15               | 59.64             | 0.49             | 3800.09                                |
| MW - 7 | 10/01/08      | 3859.31                     | 59.18               | 59.68             | 0.50             | 3800.06                                |
| MW - 7 | 10/09/08      | 3859.31                     | 59.18               | 59.63             | 0.45             | 3800.06                                |
| MW - 7 | 10/16/08      | 3859.31                     | 59.19               | 59.59             | 0.40             | 3800.06                                |
| MW - 7 | 10/23/08      | 3859.31                     | 59.16               | 59.57             | 0.41             | 3800.09                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 10/30/08      | 3859.31                     | 59.21               | 59.63             | 0.42             | 3800.04                                |
| MW - 7 | 11/04/08      | 3859.31                     | 59.20               | 59.60             | 0.40             | 3800.05                                |
| MW - 7 | 11/25/08      | 3859.31                     | 59.20               | 59.78             | 0.58             | 3800.02                                |
| MW - 7 | 11/25/08      | 3859.31                     | -                   | 60.86             | 0.00             | 3798.45                                |
| MW - 7 | 12/11/08      | 3859.31                     | 59.21               | 59.91             | 0.70             | 3800.00                                |
| MW - 7 | 01/02/09      | 3859.31                     | 59.16               | 60.26             | 1.10             | 3799.99                                |
| MW - 7 | 01/08/09      | 3859.31                     | 59.24               | 59.78             | 0.54             | 3799.99                                |
| MW - 7 | 01/14/09      | 3859.31                     | 59.34               | 59.70             | 0.36             | 3799.92                                |
| MW - 7 | 02/12/09      | 3859.31                     | 59.23               | 60.22             | 0.99             | 3799.93                                |
| MW - 7 | 02/19/09      | 3859.31                     | 59.21               | 60.30             | 1.09             | 3799.94                                |
| MW - 7 | 02/26/09      | 3859.31                     | 59.25               | 60.01             | 0.76             | 3799.95                                |
| MW - 7 | 03/04/09      | 3859.31                     | 59.32               | 60.39             | 1.07             | 3799.83                                |
| MW - 7 | 03/16/09      | 3859.31                     | 59.39               | 60.43             | 1.04             | 3799.76                                |
| MW - 7 | 03/19/09      | 3859.31                     | 59.22               | 60.42             | 1.20             | 3799.91                                |
| MW - 7 | 03/24/09      | 3859.31                     | 59.23               | 60.48             | 1.25             | 3799.89                                |
| MW - 7 | 04/08/09      | 3859.31                     | 59.40               | 60.41             | 1.01             | 3799.76                                |
| MW - 7 | 04/15/09      | 3859.31                     | 59.28               | 60.32             | 1.04             | 3799.87                                |
| MW - 7 | 04/17/09      | 3859.31                     | 59.42               | 60.36             | 0.94             | 3799.75                                |
| MW - 7 | 04/21/09      | 3859.31                     | 59.43               | 60.34             | 0.91             | 3799.74                                |
| MW - 7 | 04/29/09      | 3859.31                     | 59.26               | 60.56             | 1.30             | 3799.86                                |
| MW - 7 | 05/06/09      | 3859.31                     | 59.33               | 60.02             | 0.69             | 3799.88                                |
| MW - 7 | 05/20/09      | 3859.31                     | 59.33               | 60.17             | 0.84             | 3799.85                                |
| MW - 7 | 05/22/09      | 3859.31                     | 59.42               | 59.87             | 0.45             | 3799.82                                |
| MW - 7 | 05/27/09      | 3859.31                     | 59.35               | 60.10             | 0.75             | 3799.85                                |
| MW - 7 | 06/01/09      | 3859.31                     | 59.40               | 59.77             | 0.37             | 3799.85                                |
| MW - 7 | 06/09/09      | 3859.31                     | 59.42               | 59.78             | 0.36             | 3799.84                                |
| MW - 7 | 06/17/09      | 3859.31                     | 59.41               | 59.23             | -0.18            | 3799.93                                |
| MW - 7 | 06/23/09      | 3859.31                     | 59.43               | 60.39             | 0.96             | 3799.74                                |
| MW - 7 | 06/30/09      | 3859.31                     | 59.40               | 59.77             | 0.37             | 3799.85                                |
| MW - 7 | 07/10/09      | 3859.31                     | 59.35               | 59.95             | 0.60             | 3799.87                                |
| MW - 7 | 07/13/09      | 3859.31                     | 59.36               | 59.79             | 0.43             | 3799.89                                |
| MW - 7 | 07/17/09      | 3859.31                     | 59.37               | 59.94             | 0.57             | 3799.85                                |
| MW - 7 | 07/24/09      | 3859.31                     | 59.34               | 60.01             | 0.67             | 3799.87                                |
| MW - 7 | 07/28/09      | 3859.31                     | 59.37               | 59.73             | 0.36             | 3799.89                                |
| MW - 7 | 08/04/09      | 3859.31                     | 59.32               | 59.82             | 0.50             | 3799.92                                |
| MW - 7 | 08/12/09      | 3859.31                     | 59.36               | 60.00             | 0.64             | 3799.85                                |
| MW - 7 | 08/18/09      | 3859.31                     | 59.38               | 60.01             | 0.63             | 3799.84                                |
| MW - 7 | 08/20/09      | 3859.31                     | 59.35               | 60.04             | 0.69             | 3799.86                                |
| MW - 7 | 08/26/09      | 3859.31                     | 59.35               | 60.08             | 0.73             | 3799.85                                |
| MW - 7 | 09/02/09      | 3859.31                     | 59.35               | 60.04             | 0.69             | 3799.86                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 09/09/09      | 3859.31                     | 59.40               | 59.78             | 0.38             | 3799.85                                |
| MW - 7 | 09/14/09      | 3859.31                     | 59.39               | 59.79             | 0.40             | 3799.86                                |
| MW - 7 | 09/21/09      | 3859.31                     | 59.40               | 59.90             | 0.50             | 3799.84                                |
| MW - 7 | 10/01/09      | 3859.31                     | 59.38               | 60.07             | 0.69             | 3799.83                                |
| MW - 7 | 10/08/09      | 3859.31                     | 59.42               | 59.78             | 0.36             | 3799.84                                |
| MW - 7 | 10/14/09      | 3859.31                     | 59.42               | 59.89             | 0.47             | 3799.82                                |
| MW - 7 | 10/21/09      | 3859.31                     | 59.42               | 60.05             | 0.63             | 3799.80                                |
| MW - 7 | 10/28/09      | 3859.31                     | 59.41               | 59.99             | 0.58             | 3799.81                                |
| MW - 7 | 10/29/09      | 3859.31                     | 59.46               | 59.87             | 0.41             | 3799.79                                |
| MW - 7 | 11/04/09      | 3859.31                     | 59.45               | 59.90             | 0.45             | 3799.79                                |
| MW - 7 | 11/11/09      | 3859.31                     | 58.45               | 59.96             | 1.51             | 3800.63                                |
| MW - 7 | 11/18/09      | 3859.31                     | 59.45               | 59.99             | 0.54             | 3799.78                                |
| MW - 7 | 12/02/09      | 3859.31                     | 59.47               | 60.16             | 0.69             | 3799.74                                |
| MW - 7 | 12/10/09      | 3859.31                     | 59.49               | 60.19             | 0.70             | 3799.72                                |
| MW - 7 | 12/18/09      | 3859.31                     | 59.49               | 60.20             | 0.71             | 3799.71                                |
| MW - 7 | 12/23/09      | 3859.31                     | 59.53               | 60.06             | 0.53             | 3799.70                                |
| MW - 7 | 12/30/09      | 3859.31                     | 59.56               | 60.03             | 0.47             | 3799.68                                |
| MW - 7 | 01/06/10      | 3859.31                     | 59.50               | 60.05             | 0.55             | 3799.73                                |
| MW - 7 | 01/19/10      | 3859.31                     | 59.52               | 60.07             | 0.55             | 3799.71                                |
| MW - 7 | 02/02/10      | 3859.31                     | 59.49               | 60.37             | 0.88             | 3799.69                                |
| MW - 7 | 02/19/10      | 3859.31                     | 59.57               | 60.62             | 1.05             | 3799.58                                |
| MW - 7 | 02/22/10      | 3859.31                     | 59.59               | 60.36             | 0.77             | 3799.60                                |
| MW - 7 | 03/02/10      | 3859.31                     | 59.58               | 60.53             | 0.95             | 3799.59                                |
| MW - 7 | 03/09/10      | 3859.31                     | 59.65               | 60.21             | 0.56             | 3799.58                                |
| MW - 7 | 03/11/10      | 3859.31                     | 59.68               | 60.11             | 0.43             | 3799.57                                |
| MW - 7 | 03/16/10      | 3859.31                     | 59.56               | 60.33             | 0.77             | 3799.63                                |
| MW - 7 | 03/18/10      | 3859.31                     | 59.85               | 60.06             | 0.21             | 3799.43                                |
| MW - 7 | 03/24/10      | 3859.31                     | 59.66               | 60.25             | 0.59             | 3799.56                                |
| MW - 7 | 03/31/10      | 3859.31                     | 59.66               | 60.24             | 0.58             | 3799.56                                |
| MW - 7 | 04/08/10      | 3859.31                     | 59.52               | 60.48             | 0.96             | 3799.65                                |
| MW - 7 | 04/15/10      | 3859.31                     | 59.54               | 60.33             | 0.79             | 3799.65                                |
| MW - 7 | 04/28/10      | 3859.31                     | 59.53               | 60.45             | 0.92             | 3799.64                                |
| MW - 7 | 05/06/10      | 3859.31                     | 59.56               | 60.47             | 0.91             | 3799.61                                |
| MW - 7 | 05/13/10      | 3859.31                     | 59.60               | 60.46             | 0.86             | 3799.58                                |
| MW - 7 | 05/19/10      | 3859.31                     | 59.58               | 60.47             | 0.89             | 3799.60                                |
| MW - 7 | 05/27/10      | 3859.31                     | 59.46               | 61.06             | 1.60             | 3799.61                                |
| MW - 7 | 06/04/10      | 3859.31                     | 59.54               | 60.62             | 1.08             | 3799.61                                |
| MW - 7 | 07/02/10      | 3859.31                     | 59.55               | 60.88             | 1.33             | 3799.56                                |
| MW - 7 | 07/09/10      | 3859.31                     | 59.59               | 60.18             | 0.59             | 3799.63                                |
| MW - 7 | 07/14/10      | 3859.31                     | 59.39               | 59.45             | 0.06             | 3799.91                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 07/22/10      | 3859.31                     | 59.16               | 59.60             | 0.44             | 3800.08                                |
| MW - 7 | 07/29/10      | 3859.31                     | 59.16               | 59.74             | 0.58             | 3800.06                                |
| MW - 7 | 08/05/10      | 3859.31                     | 58.14               | 58.81             | 0.67             | 3801.07                                |
| MW - 7 | 08/12/10      | 3859.31                     | 59.12               | 59.98             | 0.86             | 3800.06                                |
| MW - 7 | 08/18/10      | 3859.31                     | 59.14               | 60.03             | 0.89             | 3800.04                                |
| MW - 7 | 08/26/10      | 3859.31                     | 59.10               | 60.27             | 1.17             | 3800.03                                |
| MW - 7 | 09/02/10      | 3859.31                     | 59.07               | 60.65             | 1.58             | 3800.00                                |
| MW - 7 | 09/08/10      | 3859.31                     | 59.09               | 60.25             | 1.16             | 3800.05                                |
| MW - 7 | 09/30/10      | 3859.31                     | 59.21               | 60.45             | 1.24             | 3799.91                                |
| MW - 7 | 10/07/10      | 3859.31                     | 59.21               | 60.43             | 1.22             | 3799.92                                |
| MW - 7 | 10/14/10      | 3859.31                     | 59.22               | 60.44             | 1.22             | 3799.91                                |
| MW - 7 | 10/21/10      | 3859.31                     | 59.19               | 60.45             | 1.26             | 3799.93                                |
| MW - 7 | 11/04/10      | 3859.31                     | 59.21               | 60.95             | 1.74             | 3799.84                                |
| MW - 7 | 11/11/10      | 3859.31                     | 59.05               | 62.23             | 3.18             | 3799.78                                |
| MW - 7 | 11/30/10      | 3859.31                     | 59.21               | 60.47             | 1.26             | 3799.91                                |
| MW - 7 | 12/08/10      | 3859.31                     | 59.13               | 61.22             | 2.09             | 3799.87                                |
| MW - 7 | 12/16/10      | 3859.31                     | 59.22               | 61.35             | 2.13             | 3799.77                                |
| MW - 7 | 12/22/10      | 3859.31                     | 59.12               | 60.78             | 1.66             | 3799.94                                |
| MW - 7 | 01/13/11      | 3859.31                     | 59.08               | 60.69             | 1.61             | 3799.99                                |
| MW - 7 | 01/27/11      | 3859.31                     | 59.20               | 60.50             | 1.30             | 3799.92                                |
| MW - 7 | 03/08/11      | 3859.31                     | 59.12               | 60.57             | 1.45             | 3799.97                                |
| MW - 7 | 04/28/11      | 3859.31                     | 59.03               | 64.00             | 4.97             | 3799.53                                |
| MW - 7 | 05/11/11      | 3859.31                     | 59.09               | 63.89             | 4.80             | 3799.50                                |
| MW - 7 | 05/18/11      | 3859.31                     | 59.17               | 63.87             | 4.70             | 3799.44                                |
| MW - 7 | 05/23/11      | 3859.31                     | 58.95               | 63.99             | 5.04             | 3799.60                                |
| MW - 7 | 05/26/11      | 3859.31                     | 58.95               | 63.99             | 5.04             | 3799.60                                |
| MW - 7 | 06/02/11      | 3859.31                     | 59.04               | 64.07             | 5.03             | 3799.52                                |
| MW - 7 | 06/08/11      | 3859.31                     | 59.34               | 61.89             | 2.55             | 3799.59                                |
| MW - 7 | 06/16/11      | 3859.31                     | 59.18               | 64.14             | 4.96             | 3799.39                                |
| MW - 7 | 06/22/11      | 3859.31                     | 59.00               | 64.04             | 5.04             | 3799.55                                |
| MW - 7 | 06/30/11      | 3859.31                     | 59.36               | 63.68             | 4.32             | 3799.30                                |
| MW - 7 | 07/06/11      | 3859.31                     | 59.59               | 62.27             | 2.68             | 3799.32                                |
| MW - 7 | 07/13/11      | 3859.31                     | 59.54               | 62.02             | 2.48             | 3799.40                                |
| MW - 7 | 07/19/11      | 3859.31                     | 59.63               | 61.58             | 1.95             | 3799.39                                |
| MW - 7 | 07/26/11      | 3859.31                     | 59.63               | 61.10             | 1.47             | 3799.46                                |
| MW - 7 | 08/12/11      | 3859.31                     | 59.62               | 61.22             | 1.60             | 3799.45                                |
| MW - 7 | 08/19/11      | 3859.31                     | 59.72               | 60.72             | 1.00             | 3799.44                                |
| MW - 7 | 08/23/11      | 3859.31                     | 59.72               | 60.60             | 0.88             | 3799.46                                |
| MW - 7 | 09/06/11      | 3859.31                     | 59.67               | 61.37             | 1.70             | 3799.39                                |
| MW - 7 | 09/13/11      | 3859.31                     | 59.71               | 61.10             | 1.39             | 3799.39                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 10/13/11      | 3859.31                     | 59.83               | 60.47             | 0.64             | 3799.38                                |
| MW - 7 | 11/15/11      | 3859.31                     | 59.84               | 60.95             | 1.11             | 3799.30                                |
| MW - 7 | 11/30/11      | 3859.31                     | 59.80               | 61.10             | 1.30             | 3799.32                                |
| MW - 7 | 01/24/12      | 3859.31                     | 59.78               | 61.84             | 2.06             | 3799.22                                |
| MW - 7 | 01/31/12      | 3859.31                     | 59.86               | 61.27             | 1.41             | 3799.24                                |
| MW - 7 | 02/08/12      | 3859.31                     | 59.90               | 61.05             | 1.15             | 3799.24                                |
| MW - 7 | 02/29/12      | 3859.31                     | 59.89               | 61.51             | 1.62             | 3799.18                                |
| MW - 7 | 03/09/12      | 3859.31                     | 59.59               | 61.10             | 1.51             | 3799.49                                |
| MW - 7 | 03/16/12      | 3859.31                     | 59.56               | 61.25             | 1.69             | 3799.50                                |
| MW - 7 | 03/21/12      | 3859.31                     | 60.01               | 60.93             | 0.92             | 3799.16                                |
| MW - 7 | 03/28/12      | 3859.31                     | 60.05               | 60.90             | 0.85             | 3799.13                                |
| MW - 7 | 04/04/12      | 3859.31                     | 60.06               | 60.82             | 0.76             | 3799.14                                |
| MW - 7 | 04/11/12      | 3859.31                     | 60.09               | 60.76             | 0.67             | 3799.12                                |
| MW - 7 | 04/18/12      | 3859.31                     | 60.11               | 60.70             | 0.59             | 3799.11                                |
| MW - 7 | 04/25/12      | 3859.31                     | 60.10               | 60.70             | 0.60             | 3799.12                                |
| MW - 7 | 05/01/12      | 3859.31                     | 60.13               | 60.81             | 0.68             | 3799.08                                |
| MW - 7 | 05/09/12      | 3859.31                     | 60.10               | 60.70             | 0.60             | 3799.12                                |
| MW - 7 | 06/07/12      | 3859.31                     | 60.07               | 61.37             | 1.30             | 3799.05                                |
| MW - 7 | 06/20/12      | 3859.31                     | 60.02               | 61.65             | 1.63             | 3799.05                                |
| MW - 7 | 06/27/12      | 3859.31                     | 60.10               | 61.42             | 1.32             | 3799.01                                |
| MW - 7 | 07/11/12      | 3859.31                     | 60.05               | 61.99             | 1.94             | 3798.97                                |
| MW - 7 | 08/10/12      | 3859.31                     | 60.48               | 61.16             | 0.68             | 3798.73                                |
| MW - 7 | 09/06/12      | 3859.31                     | 60.00               | 62.62             | 2.62             | 3798.92                                |
| MW - 7 | 10/04/12      | 3859.31                     | 60.21               | 61.96             | 1.75             | 3798.84                                |
| MW - 7 | 10/12/12      | 3859.31                     | 60.19               | 61.97             | 1.78             | 3798.85                                |
| MW - 7 | 10/18/12      | 3859.31                     | 60.20               | 61.99             | 1.79             | 3798.84                                |
| MW - 7 | 10/25/12      | 3859.31                     | 60.38               | 60.90             | 0.52             | 3798.85                                |
| MW - 7 | 10/31/12      | 3859.31                     | 60.37               | 60.92             | 0.55             | 3798.86                                |
| MW - 7 | 11/15/12      | 3859.31                     | 60.42               | 60.71             | 0.29             | 3798.85                                |
| MW - 7 | 11/27/12      | 3859.31                     | 60.44               | 60.81             | 0.37             | 3798.81                                |
| MW - 7 | 12/19/12      | 3859.31                     | 60.44               | 60.98             | 0.54             | 3798.79                                |
| MW - 7 | 01/17/13      | 3859.31                     | 60.45               | 61.60             | 1.15             | 3798.69                                |
| MW - 7 | 01/31/13      | 3859.31                     | 60.45               | 61.13             | 0.68             | 3798.76                                |
| MW - 7 | 02/21/13      | 3859.31                     | 60.45               | 61.25             | 0.80             | 3798.74                                |
| MW - 7 | 03/05/13      | 3859.31                     | 60.49               | 61.34             | 0.85             | 3798.69                                |
| MW - 7 | 03/21/13      | 3859.31                     | 60.47               | 61.33             | 0.86             | 3798.71                                |
| MW - 7 | 04/04/13      | 3859.31                     | 60.50               | 61.40             | 0.90             | 3798.68                                |
| MW - 7 | 04/11/13      | 3859.31                     | -                   | 60.62             | 0.00             | 3798.69                                |
| MW - 7 | 04/18/13      | 3859.31                     | 60.65               | 60.68             | 0.03             | 3798.66                                |
| MW - 7 | 04/25/13      | 3859.31                     | 60.63               | 60.70             | 0.07             | 3798.67                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 05/01/13      | 3859.31                     | 60.64               | 60.71             | 0.07             | 3798.66                                |
| MW - 7 | 05/10/13      | 3859.31                     | 60.63               | 60.70             | 0.07             | 3798.67                                |
| MW - 7 | 05/15/13      | 3859.31                     | 60.64               | 60.74             | 0.10             | 3798.66                                |
| MW - 7 | 05/24/13      | 3859.31                     | 60.65               | 60.77             | 0.12             | 3798.64                                |
| MW - 7 | 05/30/13      | 3859.31                     | 60.66               | 60.73             | 0.07             | 3798.64                                |
| MW - 7 | 06/06/13      | 3859.31                     | 60.67               | 60.74             | 0.07             | 3798.63                                |
| MW - 7 | 06/14/13      | 3859.31                     | 60.68               | 60.73             | 0.05             | 3798.62                                |
| MW - 7 | 06/20/13      | 3859.31                     | 60.69               | 60.72             | 0.03             | 3798.62                                |
| MW - 7 | 06/27/13      | 3859.31                     | 60.67               | 60.72             | 0.05             | 3798.63                                |
| MW - 7 | 07/03/13      | 3859.31                     | 60.70               | 60.76             | 0.06             | 3798.60                                |
| MW - 7 | 07/10/13      | 3859.31                     | 60.71               | 60.76             | 0.05             | 3798.59                                |
| MW - 7 | 07/25/13      | 3859.31                     | 60.71               | 60.78             | 0.07             | 3798.59                                |
| MW - 7 | 07/31/13      | 3859.31                     | 60.70               | 60.78             | 0.08             | 3798.60                                |
| MW - 7 | 08/20/13      | 3859.31                     | 60.73               | 60.79             | 0.06             | 3798.57                                |
| MW - 7 | 08/29/13      | 3859.31                     | 60.70               | 60.80             | 0.10             | 3798.60                                |
| MW - 7 | 09/09/13      | 3859.31                     | 60.75               | 60.86             | 0.11             | 3798.54                                |
| MW - 7 | 09/18/13      | 3859.31                     | 60.76               | 60.83             | 0.07             | 3798.54                                |
| MW - 7 | 09/27/13      | 3859.31                     | 60.77               | 60.83             | 0.06             | 3798.53                                |
| MW - 7 | 10/02/13      | 3859.31                     | 60.79               | 60.85             | 0.06             | 3798.51                                |
| MW - 7 | 10/08/13      | 3859.31                     | 60.75               | 60.81             | 0.06             | 3798.55                                |
| MW - 7 | 10/16/13      | 3859.31                     | 60.78               | 60.83             | 0.05             | 3798.52                                |
| MW - 7 | 10/24/13      | 3859.31                     | 60.75               | 60.81             | 0.06             | 3798.55                                |
| MW - 7 | 10/31/13      | 3859.31                     | 60.76               | 60.81             | 0.05             | 3798.54                                |
| MW - 7 | 11/11/13      | 3859.31                     | 60.77               | 60.85             | 0.08             | 3798.53                                |
| MW - 7 | 12/11/13      | 3859.31                     | 60.82               | 60.93             | 0.11             | 3798.47                                |
| MW - 7 | 12/17/13      | 3859.31                     | 60.84               | 60.96             | 0.12             | 3798.45                                |
| MW - 7 | 01/03/14      | 3859.31                     | 60.87               | 60.99             | 0.12             | 3798.42                                |
| MW - 7 | 01/09/14      | 3859.31                     | 60.85               | 60.94             | 0.09             | 3798.45                                |
| MW - 7 | 01/15/14      | 3859.31                     | 60.85               | 60.93             | 0.08             | 3798.45                                |
| MW - 7 | 01/22/14      | 3859.31                     | 60.85               | 60.96             | 0.11             | 3798.44                                |
| MW - 7 | 01/29/14      | 3859.31                     | 60.85               | 60.98             | 0.13             | 3798.44                                |
| MW - 7 | 02/20/14      | 3859.31                     | 60.83               | 61.09             | 0.26             | 3798.44                                |
| MW - 7 | 03/04/14      | 3859.31                     | 60.77               | 61.12             | 0.35             | 3798.49                                |
| MW - 7 | 03/11/14      | 3859.31                     | 60.90               | 61.15             | 0.25             | 3798.37                                |
| MW - 7 | 03/18/14      | 3859.31                     | 60.90               | 61.18             | 0.28             | 3798.37                                |
| MW - 7 | 03/29/14      | 3859.31                     | 60.89               | 61.20             | 0.31             | 3798.37                                |
| MW - 7 | 04/01/14      | 3859.31                     | 60.91               | 61.10             | 0.19             | 3798.37                                |
| MW - 7 | 04/08/14      | 3859.31                     | 60.91               | 61.03             | 0.12             | 3798.38                                |
| MW - 7 | 04/18/14      | 3859.31                     | 60.93               | 61.02             | 0.09             | 3798.37                                |
| MW - 7 | 04/23/14      | 3859.31                     | 60.95               | 61.03             | 0.08             | 3798.35                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 05/05/14      | 3859.31                     | 60.94               | 61.04             | 0.10             | 3798.36                                |
| MW - 7 | 05/16/14      | 3859.31                     | 60.98               | 61.08             | 0.10             | 3798.32                                |
| MW - 7 | 05/20/14      | 3859.31                     | 60.98               | 61.03             | 0.05             | 3798.32                                |
| MW - 7 | 05/30/14      | 3859.31                     | 60.96               | 61.07             | 0.11             | 3798.33                                |
| MW - 7 | 06/18/14      | 3859.31                     | 60.96               | 61.14             | 0.18             | 3798.32                                |
| MW - 7 | 06/27/14      | 3859.31                     | 60.98               | 61.15             | 0.17             | 3798.30                                |
| MW - 7 | 07/02/14      | 3859.31                     | 61.03               | 61.13             | 0.10             | 3798.27                                |
| MW - 7 | 07/10/14      | 3859.31                     | 61.00               | 61.17             | 0.17             | 3798.28                                |
| MW - 7 | 07/29/14      | 3859.31                     | 61.03               | 61.25             | 0.22             | 3798.25                                |
| MW - 7 | 07/30/14      | 3859.31                     | 61.03               | 61.25             | 0.22             | 3798.25                                |
| MW - 7 | 08/08/14      | 3859.31                     | 61.03               | 61.30             | 0.27             | 3798.24                                |
| MW - 7 | 08/19/14      | 3859.31                     | 61.02               | 61.28             | 0.26             | 3798.25                                |
| MW - 7 | 09/04/14      | 3859.31                     | 61.05               | 61.43             | 0.38             | 3798.20                                |
| MW - 7 | 09/11/14      | 3859.31                     | 61.08               | 61.35             | 0.27             | 3798.19                                |
| MW - 7 | 10/16/14      | 3859.31                     | 60.96               | 61.32             | 0.36             | 3798.30                                |
| MW - 7 | 10/22/14      | 3859.31                     | 61.01               | 61.19             | 0.18             | 3798.27                                |
| MW - 7 | 10/23/14      | 3859.31                     | 61.01               | 61.19             | 0.18             | 3798.27                                |
| MW - 7 | 11/24/14      | 3859.31                     | 61.05               | 61.39             | 0.34             | 3798.21                                |
| MW - 7 | 12/05/14      | 3859.31                     | 61.09               | 61.49             | 0.40             | 3798.16                                |
| MW - 7 | 12/12/14      | 3859.31                     | 61.04               | 61.56             | 0.52             | 3798.19                                |
| MW - 7 | 12/19/14      | 3859.31                     | 61.07               | 61.36             | 0.29             | 3798.20                                |
| MW - 7 | 01/07/15      | 3859.31                     | 61.12               | 61.45             | 0.33             | 3798.14                                |
| MW - 7 | 01/15/15      | 3859.31                     | 61.11               | 61.34             | 0.23             | 3798.17                                |
| MW - 7 | 02/05/15      | 3859.31                     | 61.10               | 61.41             | 0.31             | 3798.16                                |
| MW - 7 | 02/11/15      | 3859.31                     | 61.13               | 61.35             | 0.22             | 3798.15                                |
| MW - 7 | 02/20/15      | 3859.31                     | 61.13               | 61.45             | 0.32             | 3798.13                                |
| MW - 7 | 03/06/15      | 3859.31                     | 61.12               | 61.43             | 0.31             | 3798.14                                |
| MW - 7 | 03/11/15      | 3859.31                     | 61.13               | 61.47             | 0.34             | 3798.13                                |
| MW - 7 | 03/13/15      | 3859.31                     | 61.14               | 61.50             | 0.36             | 3798.12                                |
| MW - 7 | 03/17/15      | 3859.31                     | 61.18               | 61.36             | 0.18             | 3798.10                                |
| MW - 7 | 04/01/15      | 3859.31                     | 61.16               | 61.40             | 0.24             | 3798.11                                |
| MW - 7 | 04/09/15      | 3859.31                     | 61.19               | 61.43             | 0.24             | 3798.08                                |
| MW - 7 | 04/15/15      | 3859.31                     | 61.18               | 61.35             | 0.17             | 3798.10                                |
| MW - 7 | 04/17/15      | 3859.31                     | 61.22               | 61.31             | 0.09             | 3798.08                                |
| MW - 7 | 04/28/15      | 3859.31                     | 61.21               | 61.41             | 0.20             | 3798.07                                |
| MW - 7 | 05/19/15      | 3859.31                     | 61.20               | 61.51             | 0.31             | 3798.06                                |
| MW - 7 | 06/02/15      | 3859.31                     | 61.18               | 61.75             | 0.57             | 3798.04                                |
| MW - 7 | 06/11/15      | 3859.31                     | 61.23               | 61.53             | 0.30             | 3798.04                                |
| MW - 7 | 06/17/15      | 3859.31                     | 61.24               | 61.52             | 0.28             | 3798.03                                |
| MW - 7 | 06/25/15      | 3859.31                     | 61.25               | 61.45             | 0.20             | 3798.03                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 07/01/15      | 3859.31                     | 61.27               | 61.40             | 0.13             | 3798.02                                |
| MW - 7 | 07/08/15      | 3859.31                     | 61.30               | 61.49             | 0.19             | 3797.98                                |
| MW - 7 | 07/15/15      | 3859.31                     | 61.28               | 61.42             | 0.14             | 3798.01                                |
| MW - 7 | 07/22/15      | 3859.31                     | 61.12               | 61.50             | 0.38             | 3798.13                                |
| MW - 7 | 07/29/15      | 3859.31                     | 61.15               | 61.58             | 0.43             | 3798.10                                |
| MW - 7 | 07/31/15      | 3859.31                     | 61.26               | 61.45             | 0.19             | 3798.02                                |
| MW - 7 | 08/06/15      | 3859.31                     | 61.27               | 61.57             | 0.30             | 3798.00                                |
| MW - 7 | 08/12/15      | 3859.31                     | 61.26               | 61.62             | 0.36             | 3798.00                                |
| MW - 7 | 08/17/15      | 3859.31                     | 61.25               | 61.64             | 0.39             | 3798.00                                |
| MW - 7 | 08/19/15      | 3859.31                     | 61.29               | 61.70             | 0.41             | 3797.96                                |
| MW - 7 | 08/27/15      | 3859.31                     | 61.27               | 61.82             | 0.55             | 3797.96                                |
| MW - 7 | 09/03/15      | 3859.31                     | 61.29               | 61.79             | 0.50             | 3797.95                                |
| MW - 7 | 09/09/15      | 3859.31                     | 61.32               | 61.50             | 0.18             | 3797.96                                |
| MW - 7 | 09/11/15      | 3859.31                     | 61.34               | 61.42             | 0.08             | 3797.96                                |
| MW - 7 | 09/15/15      | 3859.31                     | 61.33               | 61.47             | 0.14             | 3797.96                                |
| MW - 7 | 09/22/15      | 3859.31                     | 61.33               | 61.51             | 0.18             | 3797.95                                |
| MW - 7 | 09/30/15      | 3859.31                     | 61.35               | 61.53             | 0.18             | 3797.93                                |
| MW - 7 | 10/06/15      | 3859.31                     | 61.35               | 61.50             | 0.15             | 3797.94                                |
| MW - 7 | 10/13/15      | 3859.31                     | 61.34               | 61.54             | 0.20             | 3797.94                                |
| MW - 7 | 10/22/15      | 3859.31                     | 61.37               | 61.64             | 0.27             | 3797.90                                |
| MW - 7 | 10/27/15      | 3859.31                     | 61.36               | 61.58             | 0.22             | 3797.92                                |
| MW - 7 | 11/11/15      | 3859.31                     | 61.35               | 61.76             | 0.41             | 3797.90                                |
| MW - 7 | 11/18/15      | 3859.31                     | 61.35               | 61.84             | 0.49             | 3797.89                                |
| MW - 7 | 12/03/15      | 3859.31                     | 61.35               | 62.02             | 0.67             | 3797.86                                |
| MW - 7 | 12/10/15      | 3859.31                     | 61.35               | 61.94             | 0.59             | 3797.87                                |
| MW - 7 | 12/22/15      | 3859.31                     | 61.36               | 61.93             | 0.57             | 3797.86                                |
| MW - 7 | 01/08/16      | 3859.31                     | 61.37               | 62.06             | 0.69             | 3797.84                                |
| MW - 7 | 01/14/16      | 3859.31                     | 61.35               | 62.15             | 0.80             | 3797.84                                |
| MW - 7 | 01/28/16      | 3859.31                     | 61.40               | 61.88             | 0.48             | 3797.84                                |
| MW - 7 | 02/02/16      | 3859.31                     | 61.45               | 61.74             | 0.29             | 3797.82                                |
| MW - 7 | 02/09/16      | 3859.31                     | 61.43               | 61.89             | 0.46             | 3797.81                                |
| MW - 7 | 03/02/16      | 3859.31                     | 61.40               | 62.05             | 0.65             | 3797.81                                |
| MW - 7 | 03/09/16      | 3859.31                     | 61.48               | 61.72             | 0.24             | 3797.79                                |
| MW - 7 | 03/17/16      | 3859.31                     | 61.47               | 61.78             | 0.31             | 3797.79                                |
| MW - 7 | 04/06/16      | 3859.31                     | 61.44               | 61.96             | 0.52             | 3797.79                                |
| MW - 7 | 04/13/16      | 3859.31                     | 61.48               | 61.90             | 0.42             | 3797.77                                |
| MW - 7 | 04/20/16      | 3859.31                     | 61.48               | 61.98             | 0.50             | 3797.76                                |
| MW - 7 | 04/27/16      | 3859.31                     | 61.46               | 62.07             | 0.61             | 3797.76                                |
| MW - 7 | 04/28/16      | 3859.31                     | 61.46               | 62.07             | 0.61             | 3797.76                                |
| MW - 7 | 05/05/16      | 3859.31                     | 61.52               | 61.92             | 0.40             | 3797.73                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED     | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|-------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 05/10/16          | 3859.31                     | 61.53               | 61.80             | 0.27             | 3797.74                                |
| MW - 7 | 06/08/16          | 3859.31                     | 61.52               | 62.17             | 0.65             | 3797.69                                |
| MW - 7 | 06/15/16          | 3859.31                     | 61.60               | 62.23             | 0.63             | 3797.62                                |
| MW - 7 | 06/21/16          | 3859.31                     | 61.49               | 62.29             | 0.80             | 3797.70                                |
| MW - 7 | 06/30/16          | 3859.31                     | 61.49               | 62.40             | 0.91             | 3797.68                                |
| MW - 7 | 07/01/16          | 3859.31                     | 61.49               | 62.40             | 0.91             | 3797.68                                |
| MW - 7 | 07/07/16          | 3859.31                     | 61.59               | 61.93             | 0.34             | 3797.67                                |
| MW - 7 | 07/15/16          | 3859.31                     | 61.60               | 61.84             | 0.24             | 3797.67                                |
| MW - 7 | 07/21/16          | 3859.31                     | 61.62               | 61.79             | 0.17             | 3797.66                                |
| MW - 7 | 07/28/16          | 3859.31                     | 61.62               | 61.80             | 0.18             | 3797.66                                |
| MW - 7 | 08/02/16          | 3859.31                     | 61.60               | 61.80             | 0.20             | 3797.68                                |
| MW - 7 | 08/09/16          | 3859.31                     | 61.61               | 61.98             | 0.37             | 3797.64                                |
| MW - 7 | 08/12/16          | 3859.31                     | 61.59               | 61.99             | 0.40             | 3797.66                                |
| MW - 7 | 08/16/16          | 3859.31                     | 61.61               | 61.74             | 0.13             | 3797.68                                |
| MW - 7 | 08/25/16          | 3859.31                     | 61.63               | 61.90             | 0.27             | 3797.64                                |
| MW - 7 | 09/01/16          | 3859.31                     | 61.64               | 61.97             | 0.33             | 3797.62                                |
| MW - 7 | 09/08/16          | 3859.31                     | 61.63               | 62.01             | 0.38             | 3797.62                                |
| MW - 7 | 9/14/16-9/15/2016 | 3859.31                     | 61.64               | 61.97             | 0.33             | 3797.62                                |
| MW - 7 | 09/22/16          | 3859.31                     | 61.66               | 61.99             | 0.33             | 3797.60                                |
| MW - 7 | 09/29/16          | 3859.31                     | 61.68               | 62.02             | 0.34             | 3797.58                                |
| MW - 7 | 10/06/16          | 3859.31                     | 61.69               | 62.02             | 0.33             | 3797.57                                |
| MW - 7 | 10/13/16          | 3859.31                     | 61.70               | 61.99             | 0.29             | 3797.57                                |
| MW - 7 | 10/20/16          | 3859.31                     | 61.72               | 61.95             | 0.23             | 3797.56                                |
| MW - 7 | 10/27/16          | 3859.31                     | 61.72               | 61.98             | 0.26             | 3797.55                                |
| MW - 7 | 11/10/16          | 3859.31                     | 61.73               | 62.07             | 0.34             | 3797.53                                |
| MW - 7 | 11/16/16          | 3859.31                     | 61.72               | 62.16             | 0.44             | 3797.52                                |
| MW - 7 | 11/23/16          | 3859.31                     | 61.71               | 62.26             | 0.55             | 3797.52                                |
| MW - 7 | 12/09/16          | 3859.31                     | 61.71               | 62.40             | 0.69             | 3797.50                                |
| MW - 7 | 12/14/16          | 3859.31                     | 61.72               | 62.49             | 0.77             | 3797.47                                |
| MW - 7 | 12/28/16          | 3859.31                     | 61.70               | 62.69             | 0.99             | 3797.46                                |
| MW - 7 | 01/05/17          | 3859.31                     | 61.71               | 62.47             | 0.76             | 3797.49                                |
| MW - 7 | 01/12/17          | 3859.31                     | 61.76               | 62.57             | 0.81             | 3797.43                                |
| MW - 7 | 01/19/17          | 3859.31                     | 61.81               | 62.25             | 0.44             | 3797.43                                |
| MW - 7 | 01/20/17          | 3859.31                     | 61.81               | 62.25             | 0.44             | 3797.43                                |
| MW - 7 | 01/25/17          | 3859.31                     | 61.85               | 62.18             | 0.33             | 3797.41                                |
| MW - 7 | 02/02/17          | 3859.31                     | 61.85               | 62.15             | 0.30             | 3797.42                                |
| MW - 7 | 02/09/17          | 3859.31                     | 61.87               | 62.07             | 0.20             | 3797.41                                |
| MW - 7 | 02/17/17          | 3859.31                     | 61.89               | 62.12             | 0.23             | 3797.39                                |
| MW - 7 | 02/22/17          | 3859.31                     | 61.90               | 62.07             | 0.17             | 3797.38                                |
| MW - 7 | 03/02/17          | 3859.31                     | 61.92               | 62.19             | 0.27             | 3797.35                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 03/09/17      | 3859.31                     | 61.91               | 62.15             | 0.24             | 3797.36                                |
| MW - 7 | 03/16/17      | 3859.31                     | 61.94               | 62.15             | 0.21             | 3797.34                                |
| MW - 7 | 03/23/17      | 3859.31                     | 61.91               | 62.11             | 0.20             | 3797.37                                |
| MW - 7 | 03/30/17      | 3859.31                     | 61.97               | 62.15             | 0.18             | 3797.31                                |
| MW - 7 | 04/06/17      | 3859.31                     | 61.97               | 62.12             | 0.15             | 3797.32                                |
| MW - 7 | 04/12/17      | 3859.31                     | 62.02               | 62.09             | 0.07             | 3797.28                                |
| MW - 7 | 04/20/17      | 3859.31                     | 61.89               | 62.19             | 0.30             | 3797.38                                |
| MW - 7 | 04/27/17      | 3859.31                     | 61.98               | 62.17             | 0.19             | 3797.30                                |
| MW - 7 | 05/03/17      | 3859.31                     | 62.18               | 62.54             | 0.36             | 3797.08                                |
| MW - 7 | 05/11/17      | 3859.31                     | 62.03               | 62.19             | 0.16             | 3797.26                                |
| MW - 7 | 05/17/17      | 3859.31                     | 62.02               | 62.24             | 0.22             | 3797.26                                |
| MW - 7 | 05/26/17      | 3859.31                     | 62.04               | 62.39             | 0.35             | 3797.22                                |
| MW - 7 | 06/02/17      | 3859.31                     | 62.03               | 62.48             | 0.45             | 3797.21                                |
| MW - 7 | 06/08/17      | 3859.31                     | 62.06               | 62.31             | 0.25             | 3797.21                                |
| MW - 7 | 06/09/17      | 3859.31                     | 62.06               | 62.31             | 0.25             | 3797.21                                |
| MW - 7 | 06/14/17      | 3859.31                     | 62.07               | 62.26             | 0.19             | 3797.21                                |
| MW - 7 | 06/21/17      | 3859.31                     | 62.08               | 62.30             | 0.22             | 3797.20                                |
| MW - 7 | 06/30/17      | 3859.31                     | 62.12               | 62.29             | 0.17             | 3797.16                                |
| MW - 7 | 07/06/17      | 3859.31                     | 62.14               | 62.29             | 0.15             | 3797.15                                |
| MW - 7 | 07/13/17      | 3859.31                     | 62.13               | 62.32             | 0.19             | 3797.15                                |
| MW - 7 | 07/19/17      | 3859.31                     | -                   | 62.27             | 0.00             | 3797.04                                |
| MW - 7 | 07/23/17      | 3859.31                     | 62.15               | 62.32             | 0.17             | 3797.13                                |
| MW - 7 | 07/26/17      | 3859.31                     | 62.09               | 62.30             | 0.21             | 3797.19                                |
| MW - 7 | 08/23/17      | 3859.31                     | 62.16               | 62.59             | 0.43             | 3797.09                                |
| MW - 7 | 08/31/17      | 3859.31                     | 62.18               | 62.67             | 0.49             | 3797.06                                |
| MW - 7 | 09/20/17      | 3859.31                     | 62.19               | 62.70             | 0.51             | 3797.04                                |
| MW - 7 | 10/05/17      | 3859.31                     | 62.26               | 62.59             | 0.33             | 3797.00                                |
| MW - 7 | 10/10/17      | 3859.31                     | 62.29               | 62.41             | 0.12             | 3797.00                                |
| MW - 7 | 10/12/17      | 3859.31                     | 62.27               | 62.47             | 0.20             | 3797.01                                |
| MW - 7 | 10/19/17      | 3859.31                     | 62.29               | 62.50             | 0.21             | 3796.99                                |
| MW - 7 | 11/17/17      | 3859.31                     | 62.33               | 62.71             | 0.38             | 3796.92                                |
| MW - 7 | 11/22/17      | 3859.31                     | 62.32               | 62.70             | 0.38             | 3796.93                                |
| MW - 7 | 11/29/17      | 3859.31                     | 62.34               | 62.70             | 0.36             | 3796.92                                |
| MW - 7 | 12/20/17      | 3859.31                     | 62.35               | 62.91             | 0.56             | 3796.88                                |
| MW - 7 | 01/08/18      | 3859.31                     | 62.41               | 62.82             | 0.41             | 3796.84                                |
| MW - 7 | 01/18/18      | 3859.31                     | 62.41               | 62.95             | 0.54             | 3796.82                                |
| MW - 7 | 01/25/18      | 3859.31                     | 62.43               | 62.85             | 0.42             | 3796.82                                |
| MW - 7 | 02/01/18      | 3859.31                     | 62.51               | 62.70             | 0.19             | 3796.77                                |
| MW - 7 | 02/14/18      | 3859.31                     | 62.48               | 62.68             | 0.20             | 3796.80                                |
| MW - 7 | 03/01/18      | 3859.31                     | 62.52               | 62.88             | 0.36             | 3796.74                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 03/08/18      | 3859.31                     | 62.51               | 62.78             | 0.27             | 3796.76                                |
| MW - 7 | 03/22/18      | 3859.31                     | 62.53               | 62.83             | 0.30             | 3796.74                                |
| MW - 7 | 04/05/18      | 3859.31                     | 62.57               | 62.83             | 0.26             | 3796.70                                |
| MW - 7 | 04/12/18      | 3859.31                     | 62.59               | 62.76             | 0.17             | 3796.69                                |
| MW - 7 | 04/30/18      | 3859.31                     | 62.61               | 62.95             | 0.34             | 3796.65                                |
| MW - 7 | 05/03/18      | 3859.31                     | 62.61               | 62.98             | 0.37             | 3796.64                                |
| MW - 7 | 05/08/18      | 3859.31                     | 62.61               | 62.92             | 0.31             | 3796.65                                |
| MW - 7 | 05/10/18      | 3859.31                     | 62.61               | 62.92             | 0.31             | 3796.65                                |
| MW - 7 | 05/17/18      | 3859.31                     | 62.61               | 63.00             | 0.39             | 3796.64                                |
| MW - 7 | 05/24/18      | 3859.31                     | 62.62               | 63.10             | 0.48             | 3796.62                                |
| MW - 7 | 06/21/18      | 3859.31                     | 62.67               | 63.18             | 0.51             | 3796.56                                |
| MW - 7 | 07/06/18      | 3859.31                     | 62.73               | 62.87             | 0.14             | 3796.56                                |
| MW - 7 | 07/05/18      | 3859.31                     | 62.73               | 62.87             | 0.14             | 3796.56                                |
| MW - 7 | 07/12/18      | 3859.31                     | 62.75               | 62.87             | 0.12             | 3796.54                                |
| MW - 7 | 07/18/18      | 3859.31                     | 62.76               | 62.87             | 0.11             | 3796.53                                |
| MW - 7 | 07/26/18      | 3859.31                     | 62.74               | 62.87             | 0.13             | 3796.55                                |
| MW - 7 | 08/02/18      | 3859.31                     | 62.77               | 63.00             | 0.23             | 3796.51                                |
| MW - 7 | 08/16/18      | 3859.31                     | 62.78               | 62.98             | 0.20             | 3796.50                                |
| MW - 7 | 08/23/18      | 3859.31                     | 62.77               | 63.08             | 0.31             | 3796.49                                |
| MW - 7 | 08/30/18      | 3859.31                     | 62.78               | 63.09             | 0.31             | 3796.48                                |
| MW - 7 | 09/13/18      | 3859.31                     | 62.83               | 63.08             | 0.25             | 3796.44                                |
| MW - 7 | 09/20/18      | 3859.31                     | 62.86               | 62.97             | 0.11             | 3796.43                                |
| MW - 7 | 10/25/18      | 3859.31                     | 62.85               | 63.35             | 0.50             | 3796.39                                |
| MW - 7 | 11/16/18      | 3859.31                     | 62.90               | 63.22             | 0.32             | 3796.36                                |
| MW - 7 | 11/20/18      | 3859.31                     | 62.94               | 63.21             | 0.27             | 3796.33                                |
| MW - 7 | 11/29/18      | 3859.31                     | 62.94               | 63.05             | 0.11             | 3796.35                                |
| MW - 7 | 12/06/18      | 3859.31                     | 62.96               | 63.18             | 0.22             | 3796.32                                |
| MW - 7 | 12/11/18      | 3859.31                     | 62.96               | 63.10             | 0.14             | 3796.33                                |
| MW - 7 | 12/18/18      | 3859.31                     | 62.99               | 63.13             | 0.14             | 3796.30                                |
| MW - 7 | 12/27/18      | 3859.31                     | 62.98               | 63.16             | 0.18             | 3796.30                                |
| MW - 7 | 01/04/19      | 3859.31                     | 62.99               | 63.19             | 0.20             | 3796.29                                |
| MW - 7 | 01/17/19      | 3859.31                     | 63.00               | 63.28             | 0.28             | 3796.27                                |
| MW - 7 | 01/30/19      | 3859.31                     | 62.98               | 63.44             | 0.46             | 3796.26                                |
| MW - 7 | 02/21/19      | 3859.31                     | 63.02               | 63.52             | 0.50             | 3796.22                                |
| MW - 7 | 03/12/19      | 3859.31                     | 63.03               | 63.73             | 0.70             | 3796.18                                |
| MW - 7 | 04/02/19      | 3859.31                     | 63.05               | 63.62             | 0.57             | 3796.17                                |
| MW - 7 | 04/04/19      | 3859.31                     | 63.08               | 63.54             | 0.46             | 3796.16                                |
| MW - 7 | 05/29/19      | 3859.31                     | 63.06               | 64.14             | 1.08             | 3796.09                                |
| MW - 7 | 08/28/19      | 3859.31                     | 63.11               | 64.92             | 1.81             | 3795.93                                |
| MW - 7 | 10/01/19      | 3859.31                     | 63.16               | 65.16             | 2.00             | 3795.85                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 10/29/19      | 3859.31                     | 63.31               | 64.73             | 1.42             | 3795.79                                |
| MW - 7 | 01/22/20      | 3859.31                     | 63.39               | 65.45             | 2.06             | 3795.61                                |
| MW - 7 | 01/30/20      | 3859.31                     | 63.64               | 63.95             | 0.31             | 3795.62                                |
| MW - 7 | 02/07/20      | 3859.31                     | 63.67               | 63.91             | 0.24             | 3795.60                                |
| MW - 7 | 03/18/20      | 3859.31                     | 63.60               | 64.45             | 0.85             | 3795.58                                |
| MW - 7 | 05/13/20      | 3859.31                     | 63.60               | 65.45             | 1.85             | 3795.43                                |
| MW - 7 | 05/19/20      | 3859.31                     | 63.60               | 65.53             | 1.93             | 3795.42                                |
| MW - 7 | 06/10/20      | 3859.31                     | 63.80               | 64.60             | 0.80             | 3795.39                                |
| MW - 7 | 07/16/20      | 3859.31                     | 63.76               | 65.20             | 1.44             | 3795.33                                |
| MW - 7 | 08/07/20      | 3859.31                     | 63.78               | 65.40             | 1.62             | 3795.29                                |
| MW - 7 | 08/21/20      | 3859.31                     | 63.94               | 64.80             | 0.86             | 3795.24                                |
| MW - 7 | 08/26/20      | 3859.31                     | 63.98               | 64.48             | 0.50             | 3795.26                                |
| MW - 7 | 09/03/20      | 3859.31                     | 63.99               | 64.56             | 0.57             | 3795.23                                |
| MW - 7 | 10/08/20      | 3859.31                     | 63.95               | 64.71             | 0.76             | 3795.25                                |
| MW - 7 | 10/20/20      | 3859.31                     | 64.05               | 64.36             | 0.31             | 3795.21                                |
| MW - 7 | 11/19/20      | 3859.31                     | 64.00               | 64.85             | 0.85             | 3795.18                                |
| MW - 7 | 12/18/20      | 3859.31                     | 64.04               | 64.98             | 0.94             | 3795.13                                |
| MW - 7 | 12/29/20      | 3859.31                     | 64.02               | 65.25             | 1.23             | 3795.11                                |
| MW - 7 | 01/20/21      | 3859.31                     | 64.06               | 65.27             | 1.21             | 3795.07                                |
| MW - 7 | 01/28/21      | 3859.31                     | 64.13               | 64.91             | 0.78             | 3795.06                                |
| MW - 7 | 03/02/21      | 3859.31                     | 64.10               | 65.62             | 1.52             | 3794.98                                |
| MW - 7 | 03/11/21      | 3859.31                     | 64.22               | 64.87             | 0.65             | 3794.99                                |
| MW - 7 | 03/24/21      | 3859.31                     | 64.26               | 64.80             | 0.54             | 3794.97                                |
| MW - 7 | 05/07/21      | 3859.31                     | 64.17               | 65.80             | 1.63             | 3794.90                                |
| MW - 7 | 06/23/21      | 3859.31                     | 64.38               | 65.16             | 0.78             | 3794.81                                |
| MW - 7 | 07/07/21      | 3859.31                     | 64.38               | 65.70             | 1.32             | 3794.73                                |
| MW - 7 | 07/23/21      | 3859.31                     | 64.43               | 65.21             | 0.78             | 3794.76                                |
| MW - 7 | 07/29/21      | 3859.31                     | 64.42               | 65.38             | 0.96             | 3794.75                                |
| MW - 7 | 08/05/21      | 3859.31                     | 64.52               | 65.37             | 0.85             | 3794.66                                |
| MW - 7 | 08/20/21      | 3859.31                     | 64.32               | 65.25             | 0.93             | 3794.85                                |
| MW - 7 | 09/09/21      | 3859.31                     | 64.54               | 65.48             | 0.94             | 3794.63                                |
| MW - 7 | 09/17/21      | 3859.31                     | 64.52               | 65.64             | 1.12             | 3794.62                                |
| MW - 7 | 10/07/21      | 3859.31                     | 64.59               | 65.59             | 1.00             | 3794.57                                |
| MW - 7 | 10/26/21      | 3859.31                     | 64.60               | 65.65             | 1.05             | 3794.55                                |
| MW - 7 | 11/23/21      | 3859.31                     | 64.57               | 66.23             | 1.66             | 3794.49                                |
| MW - 7 | 12/15/21      | 3859.31                     | 64.50               | 66.00             | 1.50             | 3794.59                                |
| MW - 7 | 12/30/21      | 3859.31                     | 64.75               | 65.23             | 0.48             | 3794.49                                |
| MW - 7 | 01/06/22      | 3859.31                     | 64.87               | 65.32             | 0.45             | 3794.37                                |
| MW - 7 | 02/10/22      | 3859.31                     | 64.70               | 66.37             | 1.67             | 3794.36                                |
| MW - 7 | 02/18/22      | 3859.31                     | 64.62               | 66.54             | 1.92             | 3794.40                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 7 | 04/07/22      | 3859.31                     | 64.75               | 66.40             | 1.65             | 3794.31                                |
| MW - 7 | 05/04/22      | 3859.31                     | 64.95               | 65.53             | 0.58             | 3794.27                                |
| MW - 7 | 06/15/22      | 3859.31                     | 64.92               | 66.23             | 1.31             | 3794.19                                |
| MW - 7 | 07/27/22      | 3859.31                     | 64.96               | 66.50             | 1.54             | 3794.12                                |
| MW - 7 | 08/03/22      | 3859.31                     | 65.07               | 66.00             | 0.93             | 3794.10                                |
| MW - 7 | 10/11/22      | 3859.31                     | 64.85               | 67.92             | 3.07             | 3794.00                                |
| MW - 7 | 10/27/22      | 3859.31                     | 65.12               | 66.45             | 1.33             | 3793.99                                |
| MW - 7 | 11/07/22      | 3859.31                     | 65.10               | 66.62             | 1.52             | 3793.98                                |
| MW - 7 | 11/23/22      | 3859.31                     | 65.20               | 66.20             | 1.00             | 3793.96                                |
|        |               |                             |                     |                   |                  |                                        |
| MW - 9 | 03/24/00      | 3861.88                     | -                   | 56.34             | 0.00             | 3805.54                                |
| MW - 9 | 06/14/00      | 3861.88                     | -                   | 56.88             | 0.00             | 3805.00                                |
| MW - 9 | 09/22/00      | 3861.88                     | -                   | 55.86             | 0.00             | 3806.02                                |
| MW - 9 | 12/28/00      | 3861.88                     | -                   | 56.02             | 0.00             | 3805.86                                |
| MW - 9 | 03/14/01      | 3861.88                     | -                   | 56.14             | 0.00             | 3805.74                                |
| MW - 9 | 06/06/01      | 3861.88                     | -                   | 56.30             | 0.00             | 3805.58                                |
| MW - 9 | 09/28/01      | 3861.88                     | -                   | 56.38             | 0.00             | 3805.50                                |
| MW - 9 | 11/17/01      | 3861.88                     | -                   | 57.23             | 0.00             | 3804.65                                |
| MW - 9 | 03/26/02      | 3861.88                     | -                   | 56.95             | 0.00             | 3804.93                                |
| MW - 9 | 06/26/02      | 3861.88                     | -                   | 56.84             | 0.00             | 3805.04                                |
| MW - 9 | 09/25/02      | 3861.88                     | -                   | 57.07             | 0.00             | 3804.81                                |
| MW - 9 | 12/10/02      | 3861.88                     | -                   | 57.07             | 0.00             | 3804.81                                |
| MW - 9 | 03/10/03      | 3861.88                     | -                   | 57.09             | 0.00             | 3804.79                                |
| MW - 9 | 06/09/03      | 3861.88                     | -                   | 57.25             | 0.00             | 3804.63                                |
| MW - 9 | 09/03/03      | 3861.88                     | -                   | 57.35             | 0.00             | 3804.53                                |
| MW - 9 | 12/08/03      | 3861.88                     | -                   | 57.48             | 0.00             | 3804.40                                |
| MW - 9 | 03/01/04      | 3861.88                     | -                   | 57.65             | 0.00             | 3804.23                                |
| MW - 9 | 05/19/04      | 3861.88                     | -                   | 57.55             | 0.00             | 3804.33                                |
| MW - 9 | 08/26/04      | 3861.88                     | -                   | 57.70             | 0.00             | 3804.18                                |
| MW - 9 | 12/09/04      | 3861.88                     | -                   | 56.10             | 0.00             | 3805.78                                |
| MW - 9 | 03/17/05      | 3861.88                     | -                   | 56.15             | 0.00             | 3805.73                                |
| MW - 9 | 06/15/05      | 3861.88                     | -                   | 56.54             | 0.00             | 3805.34                                |
| MW - 9 | 09/15/05      | 3861.88                     | -                   | 56.98             | 0.00             | 3804.90                                |
| MW - 9 | 12/13/05      | 3861.88                     | -                   | 57.20             | 0.00             | 3804.68                                |
| MW - 9 | 03/15/06      | 3861.88                     | -                   | 57.45             | 0.00             | 3804.43                                |
| MW - 9 | 06/14/06      | 3861.88                     | -                   | 57.67             | 0.00             | 3804.21                                |
| MW - 9 | 09/13/06      | 3861.88                     | -                   | 57.79             | 0.00             | 3804.09                                |
| MW - 9 | 12/06/60      | 3861.88                     | -                   | 58.00             | 0.00             | 3803.88                                |
| MW - 9 | 03/01/07      | 3861.88                     | -                   | 58.03             | 0.00             | 3803.85                                |
| MW - 9 | 05/24/07      | 3861.88                     | -                   | 58.08             | 0.00             | 3803.80                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 08/23/07      | 3861.88                     | -                   | 58.14             | 0.00             | 3803.74                                |
| MW - 9 | 11/08/07      | 3861.88                     | -                   | 58.23             | 0.00             | 3803.65                                |
| MW - 9 | 03/04/08      | 3861.88                     | -                   | 59.28             | 0.00             | 3802.60                                |
| MW - 9 | 06/11/08      | 3861.88                     | -                   | 58.39             | 0.00             | 3803.49                                |
| MW - 9 | 09/09/08      | 3861.88                     | -                   | 58.53             | 0.00             | 3803.35                                |
| MW - 9 | 12/11/08      | 3861.88                     | -                   | 58.69             | 0.00             | 3803.19                                |
| MW - 9 | 02/26/09      | 3861.88                     | -                   | 58.84             | 0.00             | 3803.04                                |
| MW - 9 | 05/22/09      | 3861.88                     | -                   | 58.73             | 0.00             | 3803.15                                |
| MW - 9 | 08/18/09      | 3861.88                     | -                   | 58.89             | 0.00             | 3802.99                                |
| MW - 9 | 12/10/09      | 3861.88                     | -                   | 58.91             | 0.00             | 3802.97                                |
| MW - 9 | 01/06/10      | 3861.88                     | -                   | 59.90             | 0.00             | 3801.98                                |
| MW - 9 | 02/22/10      | 3861.88                     | -                   | 58.99             | 0.00             | 3802.89                                |
| MW - 9 | 05/06/10      | 3861.88                     | -                   | 59.90             | 0.00             | 3801.98                                |
| MW - 9 | 05/13/10      | 3861.88                     | -                   | 59.89             | 0.00             | 3801.99                                |
| MW - 9 | 05/19/10      | 3861.88                     | -                   | 59.88             | 0.00             | 3802.00                                |
| MW - 9 | 06/04/10      | 3861.88                     | -                   | 59.14             | 0.00             | 3802.74                                |
| MW - 9 | 08/26/10      | 3861.88                     | -                   | 59.13             | 0.00             | 3802.75                                |
| MW - 9 | 11/30/10      | 3861.88                     | -                   | 58.93             | 0.00             | 3802.95                                |
| MW - 9 | 03/08/11      | 3861.88                     | -                   | 58.91             | 0.00             | 3802.97                                |
| MW - 9 | 05/25/11      | 3861.88                     | -                   | 58.92             | 0.00             | 3802.96                                |
| MW - 9 | 08/19/11      | 3861.88                     | -                   | 59.29             | 0.00             | 3802.59                                |
| MW - 9 | 11/15/11      | 3861.88                     | -                   | 59.33             | 0.00             | 3802.55                                |
| MW - 9 | 11/30/11      | 3861.88                     | -                   | 59.37             | 0.00             | 3802.51                                |
| MW - 9 | 01/24/12      | 3861.88                     | -                   | 59.52             | 0.00             | 3802.36                                |
| MW - 9 | 01/31/12      | 3861.88                     | -                   | 59.50             | 0.00             | 3802.38                                |
| MW - 9 | 02/08/12      | 3861.88                     | -                   | 59.50             | 0.00             | 3802.38                                |
| MW - 9 | 02/29/12      | 3861.88                     | -                   | 59.53             | 0.00             | 3802.35                                |
| MW - 9 | 03/09/12      | 3861.88                     | -                   | 59.64             | 0.00             | 3802.24                                |
| MW - 9 | 03/16/12      | 3861.88                     | -                   | 59.56             | 0.00             | 3802.32                                |
| MW - 9 | 03/21/12      | 3861.88                     | -                   | 59.63             | 0.00             | 3802.25                                |
| MW - 9 | 03/28/12      | 3861.88                     | -                   | 59.62             | 0.00             | 3802.26                                |
| MW - 9 | 04/04/12      | 3861.88                     | -                   | 59.61             | 0.00             | 3802.27                                |
| MW - 9 | 04/11/12      | 3861.88                     | -                   | 59.62             | 0.00             | 3802.26                                |
| MW - 9 | 04/18/12      | 3861.88                     | -                   | 59.60             | 0.00             | 3802.28                                |
| MW - 9 | 04/25/12      | 3861.88                     | -                   | 59.65             | 0.00             | 3802.23                                |
| MW - 9 | 05/01/12      | 3861.88                     | -                   | 59.62             | 0.00             | 3802.26                                |
| MW - 9 | 05/09/12      | 3861.88                     | -                   | 59.65             | 0.00             | 3802.23                                |
| MW - 9 | 06/07/12      | 3861.88                     | -                   | 59.67             | 0.00             | 3802.21                                |
| MW - 9 | 06/20/12      | 3861.88                     | -                   | 59.70             | 0.00             | 3802.18                                |
| MW - 9 | 06/27/12      | 3861.88                     | -                   | 59.69             | 0.00             | 3802.19                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 07/11/12      | 3861.88                     | -                   | 59.76             | 0.00             | 3802.12                                |
| MW - 9 | 08/10/12      | 3861.88                     | -                   | 59.97             | 0.00             | 3801.91                                |
| MW - 9 | 09/06/12      | 3861.88                     | -                   | 59.77             | 0.00             | 3802.11                                |
| MW - 9 | 10/04/12      | 3861.88                     | -                   | 59.95             | 0.00             | 3801.93                                |
| MW - 9 | 10/12/12      | 3861.88                     | -                   | 59.93             | 0.00             | 3801.95                                |
| MW - 9 | 10/18/12      | 3861.88                     | -                   | 59.96             | 0.00             | 3801.92                                |
| MW - 9 | 10/25/12      | 3861.88                     | -                   | 59.95             | 0.00             | 3801.93                                |
| MW - 9 | 10/31/12      | 3861.88                     | -                   | 59.96             | 0.00             | 3801.92                                |
| MW - 9 | 11/15/12      | 3861.88                     | -                   | 59.98             | 0.00             | 3801.90                                |
| MW - 9 | 11/27/12      | 3861.88                     | -                   | 59.99             | 0.00             | 3801.89                                |
| MW - 9 | 12/19/12      | 3861.88                     | -                   | 60.04             | 0.00             | 3801.84                                |
| MW - 9 | 01/17/13      | 3861.88                     | -                   | 59.95             | 0.00             | 3801.93                                |
| MW - 9 | 01/31/13      | 3861.88                     | -                   | 60.03             | 0.00             | 3801.85                                |
| MW - 9 | 02/21/13      | 3861.88                     | -                   | 60.12             | 0.00             | 3801.76                                |
| MW - 9 | 03/05/13      | 3861.88                     | -                   | 60.20             | 0.00             | 3801.68                                |
| MW - 9 | 03/21/13      | 3861.88                     | -                   | 60.03             | 0.00             | 3801.85                                |
| MW - 9 | 04/04/13      | 3861.88                     | -                   | 60.12             | 0.00             | 3801.76                                |
| MW - 9 | 04/11/13      | 3861.88                     | -                   | 60.10             | 0.00             | 3801.78                                |
| MW - 9 | 04/18/13      | 3861.88                     | -                   | 60.19             | 0.00             | 3801.69                                |
| MW - 9 | 04/25/13      | 3861.88                     | -                   | 60.21             | 0.00             | 3801.67                                |
| MW - 9 | 05/01/13      | 3861.88                     | -                   | 60.18             | 0.00             | 3801.70                                |
| MW - 9 | 05/10/13      | 3861.88                     | -                   | 60.18             | 0.00             | 3801.70                                |
| MW - 9 | 05/15/13      | 3861.88                     | -                   | 60.15             | 0.00             | 3801.73                                |
| MW - 9 | 05/24/13      | 3861.88                     | -                   | 60.14             | 0.00             | 3801.74                                |
| MW - 9 | 05/30/13      | 3861.88                     | -                   | 60.19             | 0.00             | 3801.69                                |
| MW - 9 | 06/06/13      | 3861.88                     | -                   | 60.19             | 0.00             | 3801.69                                |
| MW - 9 | 06/14/13      | 3861.88                     | -                   | 60.27             | 0.00             | 3801.61                                |
| MW - 9 | 06/20/13      | 3861.88                     | -                   | 60.23             | 0.00             | 3801.65                                |
| MW - 9 | 06/27/13      | 3861.88                     | -                   | 60.15             | 0.00             | 3801.73                                |
| MW - 9 | 07/03/13      | 3861.88                     | -                   | 60.21             | 0.00             | 3801.67                                |
| MW - 9 | 07/10/13      | 3861.88                     | -                   | 60.26             | 0.00             | 3801.62                                |
| MW - 9 | 07/25/13      | 3861.88                     | -                   | 60.28             | 0.00             | 3801.60                                |
| MW - 9 | 07/31/13      | 3861.88                     | -                   | 60.21             | 0.00             | 3801.67                                |
| MW - 9 | 08/21/13      | 3861.88                     | -                   | 60.18             | 0.00             | 3801.70                                |
| MW - 9 | 08/29/13      | 3861.88                     | -                   | 60.24             | 0.00             | 3801.64                                |
| MW - 9 | 09/09/13      | 3861.88                     | -                   | 60.28             | 0.00             | 3801.60                                |
| MW - 9 | 09/18/13      | 3861.88                     | -                   | 60.30             | 0.00             | 3801.58                                |
| MW - 9 | 09/27/13      | 3861.88                     | -                   | 60.30             | 0.00             | 3801.58                                |
| MW - 9 | 10/02/13      | 3861.88                     | -                   | 60.31             | 0.00             | 3801.57                                |
| MW - 9 | 10/08/13      | 3861.88                     | -                   | 60.28             | 0.00             | 3801.60                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 10/16/13      | 3861.88                     | -                   | 60.30             | 0.00             | 3801.58                                |
| MW - 9 | 10/24/13      | 3861.88                     | -                   | 60.26             | 0.00             | 3801.62                                |
| MW - 9 | 10/31/13      | 3861.88                     | -                   | 60.23             | 0.00             | 3801.65                                |
| MW - 9 | 11/11/13      | 3861.88                     | -                   | 60.27             | 0.00             | 3801.61                                |
| MW - 9 | 12/11/13      | 3861.88                     | -                   | 60.43             | 0.00             | 3801.45                                |
| MW - 9 | 12/17/13      | 3861.88                     | -                   | 60.36             | 0.00             | 3801.52                                |
| MW - 9 | 01/03/14      | 3861.88                     | -                   | 60.38             | 0.00             | 3801.50                                |
| MW - 9 | 01/09/14      | 3861.88                     | -                   | 60.37             | 0.00             | 3801.51                                |
| MW - 9 | 01/15/14      | 3861.88                     | -                   | 60.36             | 0.00             | 3801.52                                |
| MW - 9 | 01/22/14      | 3861.88                     | -                   | 60.40             | 0.00             | 3801.48                                |
| MW - 9 | 01/29/14      | 3861.88                     | -                   | 60.36             | 0.00             | 3801.52                                |
| MW - 9 | 02/20/14      | 3861.88                     | -                   | 60.31             | 0.00             | 3801.57                                |
| MW - 9 | 03/04/14      | 3861.88                     | -                   | 60.35             | 0.00             | 3801.53                                |
| MW - 9 | 03/11/14      | 3861.88                     | -                   | 60.47             | 0.00             | 3801.41                                |
| MW - 9 | 03/18/14      | 3861.88                     | -                   | 60.44             | 0.00             | 3801.44                                |
| MW - 9 | 03/29/14      | 3861.88                     | -                   | 60.50             | 0.00             | 3801.38                                |
| MW - 9 | 04/01/14      | 3861.88                     | -                   | 60.43             | 0.00             | 3801.45                                |
| MW - 9 | 04/08/14      | 3861.88                     | -                   | 60.41             | 0.00             | 3801.47                                |
| MW - 9 | 04/18/14      | 3861.88                     | -                   | 60.44             | 0.00             | 3801.44                                |
| MW - 9 | 04/23/14      | 3861.88                     | -                   | 60.41             | 0.00             | 3801.47                                |
| MW - 9 | 05/05/14      | 3861.88                     | -                   | 60.47             | 0.00             | 3801.41                                |
| MW - 9 | 05/16/14      | 3861.88                     | -                   | 60.45             | 0.00             | 3801.43                                |
| MW - 9 | 05/20/14      | 3861.88                     | -                   | 60.55             | 0.00             | 3801.33                                |
| MW - 9 | 05/30/14      | 3861.88                     | -                   | 60.49             | 0.00             | 3801.39                                |
| MW - 9 | 06/18/14      | 3861.88                     | -                   | 60.51             | 0.00             | 3801.37                                |
| MW - 9 | 06/27/14      | 3861.88                     | -                   | 60.47             | 0.00             | 3801.41                                |
| MW - 9 | 07/02/14      | 3861.88                     | -                   | 60.53             | 0.00             | 3801.35                                |
| MW - 9 | 07/10/14      | 3861.88                     | -                   | 60.52             | 0.00             | 3801.36                                |
| MW - 9 | 07/29/14      | 3861.88                     | -                   | 60.53             | 0.00             | 3801.35                                |
| MW - 9 | 07/30/14      | 3861.88                     | -                   | 60.53             | 0.00             | 3801.35                                |
| MW - 9 | 08/08/14      | 3861.88                     | -                   | 60.55             | 0.00             | 3801.33                                |
| MW - 9 | 08/19/14      | 3861.88                     | -                   | 60.52             | 0.00             | 3801.36                                |
| MW - 9 | 09/04/14      | 3861.88                     | -                   | 60.56             | 0.00             | 3801.32                                |
| MW - 9 | 09/11/14      | 3861.88                     | -                   | 60.59             | 0.00             | 3801.29                                |
| MW - 9 | 10/16/14      | 3861.88                     | -                   | 60.45             | 0.00             | 3801.43                                |
| MW - 9 | 10/22/14      | 3861.88                     | -                   | 60.50             | 0.00             | 3801.38                                |
| MW - 9 | 10/30/14      | 3861.88                     | -                   | 60.51             | 0.00             | 3801.37                                |
| MW - 9 | 11/24/14      | 3861.88                     | -                   | 60.51             | 0.00             | 3801.37                                |
| MW - 9 | 12/05/14      | 3861.88                     | -                   | 60.52             | 0.00             | 3801.36                                |
| MW - 9 | 12/12/14      | 3861.88                     | -                   | 60.58             | 0.00             | 3801.30                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 12/19/14      | 3861.88                     | -                   | 60.57             | 0.00             | 3801.31                                |
| MW - 9 | 01/07/15      | 3861.88                     | -                   | 60.67             | 0.00             | 3801.21                                |
| MW - 9 | 01/15/15      | 3861.88                     | -                   | 60.61             | 0.00             | 3801.27                                |
| MW - 9 | 02/05/15      | 3861.88                     | -                   | 60.59             | 0.00             | 3801.29                                |
| MW - 9 | 02/11/15      | 3861.88                     | -                   | 60.61             | 0.00             | 3801.27                                |
| MW - 9 | 02/20/15      | 3861.88                     | -                   | 60.63             | 0.00             | 3801.25                                |
| MW - 9 | 03/06/15      | 3861.88                     | -                   | 60.62             | 0.00             | 3801.26                                |
| MW - 9 | 03/11/15      | 3861.88                     | -                   | 60.69             | 0.00             | 3801.19                                |
| MW - 9 | 03/13/15      | 3861.88                     | -                   | 60.25             | 0.00             | 3801.63                                |
| MW - 9 | 03/17/15      | 3861.88                     | -                   | 60.69             | 0.00             | 3801.19                                |
| MW - 9 | 04/01/15      | 3861.88                     | -                   | 60.65             | 0.00             | 3801.23                                |
| MW - 9 | 04/09/15      | 3861.88                     | -                   | 60.70             | 0.00             | 3801.18                                |
| MW - 9 | 04/15/15      | 3861.88                     | -                   | 60.68             | 0.00             | 3801.20                                |
| MW - 9 | 04/28/15      | 3861.88                     | -                   | 60.63             | 0.00             | 3801.25                                |
| MW - 9 | 04/17/15      | 3861.88                     | -                   | 60.67             | 0.00             | 3801.21                                |
| MW - 9 | 05/19/15      | 3861.88                     | -                   | 60.63             | 0.00             | 3801.25                                |
| MW - 9 | 06/02/15      | 3861.88                     | -                   | 60.65             | 0.00             | 3801.23                                |
| MW - 9 | 06/11/15      | 3861.88                     | -                   | 60.67             | 0.00             | 3801.21                                |
| MW - 9 | 06/17/15      | 3861.88                     | -                   | 60.70             | 0.00             | 3801.18                                |
| MW - 9 | 06/25/15      | 3861.88                     | -                   | 60.68             | 0.00             | 3801.20                                |
| MW - 9 | 07/01/15      | 3861.88                     | -                   | 60.68             | 0.00             | 3801.20                                |
| MW - 9 | 07/08/15      | 3861.88                     | -                   | 60.73             | 0.00             | 3801.15                                |
| MW - 9 | 07/15/15      | 3861.88                     | -                   | 60.73             | 0.00             | 3801.15                                |
| MW - 9 | 07/22/15      | 3861.88                     | -                   | 61.25             | 0.00             | 3800.63                                |
| MW - 9 | 07/29/15      | 3861.88                     | -                   | 60.75             | 0.00             | 3801.13                                |
| MW - 9 | 07/31/15      | 3861.88                     | -                   | 60.77             | 0.00             | 3801.11                                |
| MW - 9 | 08/06/15      | 3861.88                     | -                   | 60.78             | 0.00             | 3801.10                                |
| MW - 9 | 08/12/15      | 3861.88                     | -                   | 60.77             | 0.00             | 3801.11                                |
| MW - 9 | 08/17/15      | 3861.88                     | -                   | 60.79             | 0.00             | 3801.09                                |
| MW - 9 | 08/19/15      | 3861.88                     | -                   | 60.82             | 0.00             | 3801.06                                |
| MW - 9 | 08/27/15      | 3861.88                     | -                   | 60.73             | 0.00             | 3801.15                                |
| MW - 9 | 09/03/15      | 3861.88                     | -                   | 60.77             | 0.00             | 3801.11                                |
| MW - 9 | 09/09/15      | 3861.88                     | -                   | 60.76             | 0.00             | 3801.12                                |
| MW - 9 | 09/11/15      | 3861.88                     | -                   | 60.85             | 0.00             | 3801.03                                |
| MW - 9 | 09/15/15      | 3861.88                     | -                   | 60.79             | 0.00             | 3801.09                                |
| MW - 9 | 09/22/15      | 3861.88                     | -                   | 60.77             | 0.00             | 3801.11                                |
| MW - 9 | 09/30/15      | 3861.88                     | -                   | 60.77             | 0.00             | 3801.11                                |
| MW - 9 | 10/06/15      | 3861.88                     | -                   | 60.86             | 0.00             | 3801.02                                |
| MW - 9 | 10/13/15      | 3861.88                     | -                   | 60.85             | 0.00             | 3801.03                                |
| MW - 9 | 10/22/15      | 3861.88                     | -                   | 60.94             | 0.00             | 3800.94                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 10/27/15           | 3861.88                     | -                   | 60.90             | 0.00             | 3800.98                                |
| MW - 9 | 11/11/15           | 3861.88                     | -                   | 60.94             | 0.00             | 3800.94                                |
| MW - 9 | 11/18/15           | 3861.88                     | -                   | 60.70             | 0.00             | 3801.18                                |
| MW - 9 | 12/03/15           | 3861.88                     | -                   | 60.90             | 0.00             | 3800.98                                |
| MW - 9 | 12/10/15           | 3861.88                     | -                   | 60.78             | 0.00             | 3801.10                                |
| MW - 9 | 12/22/15           | 3861.88                     | -                   | 60.86             | 0.00             | 3801.02                                |
| MW - 9 | 01/08/16           | 3861.88                     | -                   | 60.93             | 0.00             | 3800.95                                |
| MW - 9 | 01/14/16           | 3861.88                     | -                   | 60.80             | 0.00             | 3801.08                                |
| MW - 9 | 01/28/16           | 3861.88                     | -                   | 60.93             | 0.00             | 3800.95                                |
| MW - 9 | 02/02/16           | 3861.88                     | -                   | 61.05             | 0.00             | 3800.83                                |
| MW - 9 | 02/09/16           | 3861.88                     | -                   | 60.88             | 0.00             | 3801.00                                |
| MW - 9 | 03/02/16           | 3861.88                     | -                   | 60.97             | 0.00             | 3800.91                                |
| MW - 9 | 03/09/16           | 3861.88                     | -                   | 60.98             | 0.00             | 3800.90                                |
| MW - 9 | 03/17/16           | 3861.88                     | -                   | 60.94             | 0.00             | 3800.94                                |
| MW - 9 | 04/06/16           | 3861.88                     | -                   | 61.01             | 0.00             | 3800.87                                |
| MW - 9 | 04/13/16           | 3861.88                     | -                   | 61.01             | 0.00             | 3800.87                                |
| MW - 9 | 04/20/16           | 3861.88                     | -                   | 64.48             | 0.00             | 3797.40                                |
| MW - 9 | 04/27/16           | 3861.88                     | -                   | 60.94             | 0.00             | 3800.94                                |
| MW - 9 | 04/28/16           | 3861.88                     | -                   | 60.94             | 0.00             | 3800.94                                |
| MW - 9 | 05/05/16           | 3861.88                     | -                   | 61.06             | 0.00             | 3800.82                                |
| MW - 9 | 05/10/16           | 3861.88                     | -                   | 61.09             | 0.00             | 3800.79                                |
| MW - 9 | 06/08/16           | 3861.88                     | -                   | 61.06             | 0.00             | 3800.82                                |
| MW - 9 | 06/15/16           | 3861.88                     | -                   | 61.04             | 0.00             | 3800.84                                |
| MW - 9 | 06/21/16           | 3861.88                     | -                   | 61.08             | 0.00             | 3800.80                                |
| MW - 9 | 06/30/16           | 3861.88                     | -                   | 61.14             | 0.00             | 3800.74                                |
| MW - 9 | 07/01/16           | 3861.88                     | -                   | 61.14             | 0.00             | 3800.74                                |
| MW - 9 | 07/15/16           | 3861.88                     | -                   | 61.18             | 0.00             | 3800.70                                |
| MW - 9 | 07/21/16           | 3861.88                     | -                   | 61.21             | 0.00             | 3800.67                                |
| MW - 9 | 07/28/16           | 3861.88                     | -                   | 61.15             | 0.00             | 3800.73                                |
| MW - 9 | 08/02/16           | 3861.88                     | -                   | 61.23             | 0.00             | 3800.65                                |
| MW - 9 | 08/09/16           | 3861.88                     | -                   | 61.13             | 0.00             | 3800.75                                |
| MW - 9 | 08/16/16           | 3861.88                     | -                   | 61.12             | 0.00             | 3800.76                                |
| MW - 9 | 08/25/16           | 3861.88                     | -                   | 61.14             | 0.00             | 3800.74                                |
| MW - 9 | 09/08/16           | 3861.88                     | -                   | 61.14             | 0.00             | 3800.74                                |
| MW - 9 | 9/14/16 -9/15/2016 | 3861.88                     | -                   | 61.21             | 0.00             | 3800.67                                |
| MW - 9 | 09/22/16           | 3861.88                     | -                   | 61.18             | 0.00             | 3800.70                                |
| MW - 9 | 09/29/16           | 3861.88                     | -                   | 61.20             | 0.00             | 3800.68                                |
| MW - 9 | 10/13/16           | 3861.88                     | -                   | 61.24             | 0.00             | 3800.64                                |
| MW - 9 | 10/20/16           | 3861.88                     | -                   | 61.21             | 0.00             | 3800.67                                |
| MW - 9 | 10/27/16           | 3861.88                     | -                   | 61.21             | 0.00             | 3800.67                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|        | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|--------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9 | 11/10/16      | 3861.88                     | -                   | 61.27             | 0.00             | 3800.61                                |
| MW - 9 | 11/16/16      | 3861.88                     | -                   | 61.22             | 0.00             | 3800.66                                |
| MW - 9 | 12/09/16      | 3861.88                     | -                   | 61.29             | 0.00             | 3800.59                                |
| MW - 9 | 12/14/16      | 3861.88                     | -                   | 61.34             | 0.00             | 3800.54                                |
| MW - 9 | 01/05/17      | 3861.88                     | -                   | 61.28             | 0.00             | 3800.60                                |
| MW - 9 | 01/12/17      | 3861.88                     | -                   | 61.36             | 0.00             | 3800.52                                |
| MW - 9 | 01/19/17      | 3861.88                     | -                   | 61.36             | 0.00             | 3800.52                                |
| MW - 9 | 01/20/17      | 3861.88                     | -                   | 61.40             | 0.00             | 3800.48                                |
| MW - 9 | 01/25/17      | 3861.88                     | -                   | 61.53             | 0.00             | 3800.35                                |
| MW - 9 | 02/02/17      | 3861.88                     | -                   | 61.48             | 0.00             | 3800.40                                |
| MW - 9 | 02/09/17      | 3861.88                     | -                   | 61.38             | 0.00             | 3800.50                                |
| MW - 9 | 02/22/17      | 3861.88                     | -                   | 61.49             | 0.00             | 3800.39                                |
| MW - 9 | 03/09/17      | 3861.88                     | -                   | 61.55             | 0.00             | 3800.33                                |
| MW - 9 | 03/16/17      | 3861.88                     | -                   | 61.51             | 0.00             | 3800.37                                |
| MW - 9 | 03/30/17      | 3861.88                     | -                   | 61.53             | 0.00             | 3800.35                                |
| MW - 9 | 04/06/17      | 3861.88                     | -                   | 61.59             | 0.00             | 3800.29                                |
| MW - 9 | 04/12/17      | 3861.88                     | -                   | 63.59             | 0.00             | 3798.29                                |
| MW - 9 | 05/03/17      | 3861.88                     | -                   | 61.62             | 0.00             | 3800.26                                |
| MW - 9 | 05/17/17      | 3861.88                     | -                   | 61.66             | 0.00             | 3800.22                                |
| MW - 9 | 05/26/17      | 3861.88                     | -                   | 61.60             | 0.00             | 3800.28                                |
| MW - 9 | 06/08/17      | 3861.88                     | -                   | 61.65             | 0.00             | 3800.23                                |
| MW - 9 | 06/09/17      | 3861.88                     | -                   | 61.69             | 0.00             | 3800.19                                |
| MW - 9 | 06/30/17      | 3861.88                     | -                   | 61.74             | 0.00             | 3800.14                                |
| MW - 9 | 07/06/17      | 3861.88                     | -                   | 61.76             | 0.00             | 3800.12                                |
| MW - 9 | 07/19/17      | 3861.88                     | -                   | 61.63             | 0.00             | 3800.25                                |
| MW - 9 | 07/23/17      | 3861.88                     | -                   | 61.75             | 0.00             | 3800.13                                |
| MW - 9 | 07/26/17      | 3861.88                     | -                   | 61.63             | 0.00             | 3800.25                                |
| MW - 9 | 08/23/17      | 3861.88                     | -                   | 61.78             | 0.00             | 3800.10                                |
| MW - 9 | 10/10/17      | 3861.88                     | -                   | 61.82             | 0.00             | 3800.06                                |
| MW - 9 | 11/29/17      | 3861.88                     | -                   | 61.84             | 0.00             | 3800.04                                |
| MW - 9 | 01/08/18      | 3861.88                     | -                   | 61.90             | 0.00             | 3799.98                                |
| MW - 9 | 01/18/18      | 3861.88                     | -                   | 61.95             | 0.00             | 3799.93                                |
| MW - 9 | 02/14/18      | 3861.88                     | -                   | 62.00             | 0.00             | 3799.88                                |
| MW - 9 | 04/30/18      | 3861.88                     | -                   | 62.18             | 0.00             | 3799.70                                |
| MW - 9 | 05/03/18      | 3861.88                     | -                   | 62.12             | 0.00             | 3799.76                                |
| MW - 9 | 05/17/18      | 3861.88                     | -                   | 62.08             | 0.00             | 3799.80                                |
| MW - 9 | 07/05/18      | 3861.88                     | -                   | 62.28             | 0.00             | 3799.60                                |
| MW - 9 | 07/06/18      | 3861.88                     | -                   | 62.28             | 0.00             | 3799.60                                |
| MW - 9 | 07/26/18      | 3861.88                     | -                   | 62.32             | 0.00             | 3799.56                                |
| MW - 9 | 08/16/18      | 3861.88                     | -                   | 62.29             | 0.00             | 3799.59                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 9  | 11/16/18      | 3861.88                     | -                   | 62.39             | 0.00             | 3799.49                                |
| MW - 9  | 11/29/18      | 3861.88                     | -                   | 62.32             | 0.00             | 3799.56                                |
| MW - 9  | 12/06/18      | 3861.88                     | -                   | 62.41             | 0.00             | 3799.47                                |
| MW - 9  | 12/11/18      | 3861.88                     | -                   | 62.45             | 0.00             | 3799.43                                |
| MW - 9  | 01/04/19      | 3861.88                     | -                   | 62.46             | 0.00             | 3799.42                                |
| MW - 9  | 01/17/19      | 3861.88                     | -                   | 62.49             | 0.00             | 3799.39                                |
| MW - 9  | 01/24/19      | 3861.88                     | -                   | 62.53             | 0.00             | 3799.35                                |
| MW - 9  | 02/21/19      | 3861.88                     | -                   | 62.54             | 0.00             | 3799.34                                |
| MW - 9  | 04/04/19      | 3861.88                     | -                   | 62.59             | 0.00             | 3799.29                                |
| MW - 9  | 05/30/19      | 3861.88                     | -                   | 62.67             | 0.00             | 3799.21                                |
| MW - 9  | 08/28/19      | 3861.88                     | -                   | 62.79             | 0.00             | 3799.09                                |
| MW - 9  | 10/31/19      | 3861.88                     | -                   | 63.01             | 0.00             | 3798.87                                |
| MW - 9  | 03/18/20      | 3861.88                     | -                   | 63.18             | 0.00             | 3798.70                                |
| MW - 9  | 05/13/20      | 3861.88                     | -                   | 63.29             | 0.00             | 3798.59                                |
| MW - 9  | 06/10/20      | 3861.88                     | -                   | 63.35             | 0.00             | 3798.53                                |
| MW - 9  | 07/16/20      | 3861.88                     | -                   | 63.39             | 0.00             | 3798.49                                |
| MW - 9  | 08/26/20      | 3861.88                     | -                   | 63.45             | 0.00             | 3798.43                                |
| MW - 9  | 12/18/20      | 3861.88                     | -                   | 63.54             | 0.00             | 3798.34                                |
| MW - 9  | 01/28/21      | 3861.88                     | -                   | 63.58             | 0.00             | 3798.30                                |
| MW - 9  | 03/24/21      | 3861.88                     | -                   | 63.67             | 0.00             | 3798.21                                |
| MW - 9  | 06/23/21      | 3861.88                     | -                   | 63.85             | 0.00             | 3798.03                                |
| MW - 9  | 07/22/21      | 3861.88                     | -                   | 63.84             | 0.00             | 3798.04                                |
| MW - 9  | 08/05/21      | 3861.88                     | -                   | 63.85             | 0.00             | 3798.03                                |
| MW - 9  | 08/20/21      | 3861.88                     | -                   | 63.87             | 0.00             | 3798.01                                |
| MW - 9  | 09/09/21      | 3861.88                     | -                   | 63.87             | 0.00             | 3798.01                                |
| MW - 9  | 10/26/21      | 3861.88                     | -                   | 63.89             | 0.00             | 3797.99                                |
| MW - 9  | 12/14/21      | 3861.88                     | -                   | 64.01             | 0.00             | 3797.87                                |
| MW - 9  | 02/10/22      | 3861.88                     | -                   | 64.09             | 0.00             | 3797.79                                |
| MW - 9  | 03/09/22      | 3861.88                     | -                   | 63.94             | 0.00             | 3797.94                                |
| MW - 9  | 05/03/22      | 3861.88                     | -                   | 64.20             | 0.00             | 3797.68                                |
| MW - 9  | 08/03/22      | 3861.88                     | -                   | 64.31             | 0.00             | 3797.57                                |
| MW - 9  | 10/27/22      | 3861.88                     | -                   | 64.42             | 0.00             | 3797.46                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 10 | 03/24/00      | 3860.58                     | -                   | 58.68             | 0.00             | 3801.90                                |
| MW - 10 | 06/14/00      | 3860.58                     | -                   | 59.20             | 0.00             | 3801.38                                |
| MW - 10 | 09/22/00      | 3860.58                     | -                   | 58.29             | 0.00             | 3802.29                                |
| MW - 10 | 12/28/00      | 3860.58                     | -                   | 58.47             | 0.00             | 3802.11                                |
| MW - 10 | 03/14/01      | 3860.58                     | -                   | 58.59             | 0.00             | 3801.99                                |
| MW - 10 | 06/06/01      | 3860.58                     | -                   | 58.70             | 0.00             | 3801.88                                |
| MW - 10 | 09/28/01      | 3860.58                     | -                   | 58.82             | 0.00             | 3801.76                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 10 | 11/17/01      | 3860.58                     | -                   | 59.06             | 0.00             | 3801.52                                |
| MW - 10 | 03/26/02      | 3860.58                     | -                   | 59.34             | 0.00             | 3801.24                                |
| MW - 10 | 06/26/02      | 3860.58                     | -                   | 59.24             | 0.00             | 3801.34                                |
| MW - 10 | 09/25/02      | 3860.58                     | -                   | 59.41             | 0.00             | 3801.17                                |
| MW - 10 | 12/10/02      | 3860.58                     | -                   | 59.40             | 0.00             | 3801.18                                |
| MW - 10 | 03/10/03      | 3860.58                     | -                   | 59.47             | 0.00             | 3801.11                                |
| MW - 10 | 06/09/03      | 3860.58                     | -                   | 59.56             | 0.00             | 3801.02                                |
| MW - 10 | 09/03/03      | 3860.58                     | -                   | 59.65             | 0.00             | 3800.93                                |
| MW - 10 | 12/08/03      | 3860.58                     | -                   | 59.76             | 0.00             | 3800.82                                |
| MW - 10 | 03/01/04      | 3860.58                     | -                   | 59.88             | 0.00             | 3800.70                                |
| MW - 10 | 05/19/04      | 3860.58                     | -                   | 59.83             | 0.00             | 3800.75                                |
| MW - 10 | 08/26/04      | 3860.58                     | -                   | 59.96             | 0.00             | 3800.62                                |
| MW - 10 | 12/09/04      | 3860.58                     | -                   | 58.61             | 0.00             | 3801.97                                |
| MW - 10 | 03/17/05      | 3860.58                     | -                   | 58.70             | 0.00             | 3801.88                                |
| MW - 10 | 06/15/05      | 3860.58                     | -                   | 58.98             | 0.00             | 3801.60                                |
| MW - 10 | 09/14/05      | 3860.58                     | -                   | 59.23             | 0.00             | 3801.35                                |
| MW - 10 | 12/13/05      | 3860.58                     | -                   | 59.47             | 0.00             | 3801.11                                |
| MW - 10 | 03/15/06      | 3860.58                     | -                   | 59.69             | 0.00             | 3800.89                                |
| MW - 10 | 06/14/06      | 3860.58                     | -                   | 59.88             | 0.00             | 3800.70                                |
| MW - 10 | 09/13/06      | 3860.58                     | -                   | 60.00             | 0.00             | 3800.58                                |
| MW - 10 | 12/06/06      | 3860.58                     | -                   | 60.11             | 0.00             | 3800.47                                |
| MW - 10 | 03/01/07      | 3860.58                     | -                   | 60.17             | 0.00             | 3800.41                                |
| MW - 10 | 05/24/07      | 3860.58                     | -                   | 60.26             | 0.00             | 3800.32                                |
| MW - 10 | 08/23/07      | 3860.58                     | -                   | 60.31             | 0.00             | 3800.27                                |
| MW - 10 | 11/08/07      | 3860.58                     | -                   | 60.39             | 0.00             | 3800.19                                |
| MW - 10 | 03/04/08      | 3860.58                     | -                   | 60.50             | 0.00             | 3800.08                                |
| MW - 10 | 06/11/08      | 3860.58                     | -                   | 60.55             | 0.00             | 3800.03                                |
| MW - 10 | 09/09/08      | 3860.58                     | -                   | 60.67             | 0.00             | 3799.91                                |
| MW - 10 | 12/11/08      | 3860.58                     | -                   | 60.78             | 0.00             | 3799.80                                |
| MW - 10 | 02/26/09      | 3860.58                     | -                   | 60.85             | 0.00             | 3799.73                                |
| MW - 10 | 05/21/09      | 3860.58                     | -                   | 60.91             | 0.00             | 3799.67                                |
| MW - 10 | 08/18/09      | 3860.58                     | -                   | 60.92             | 0.00             | 3799.66                                |
| MW - 10 | 12/09/09      | 3860.58                     | -                   | 61.01             | 0.00             | 3799.57                                |
| MW - 10 | 01/06/10      | 3860.58                     | -                   | 61.02             | 0.00             | 3799.56                                |
| MW - 10 | 02/22/10      | 3860.58                     | -                   | 61.06             | 0.00             | 3799.52                                |
| MW - 10 | 06/04/10      | 3860.58                     | -                   | 61.16             | 0.00             | 3799.42                                |
| MW - 10 | 08/26/10      | 3860.58                     | -                   | 61.18             | 0.00             | 3799.40                                |
| MW - 10 | 11/30/10      | 3860.58                     | -                   | 61.00             | 0.00             | 3799.58                                |
| MW - 10 | 03/08/11      | 3860.58                     | -                   | 61.02             | 0.00             | 3799.56                                |
| MW - 10 | 05/25/11      | 3860.58                     | -                   | 61.01             | 0.00             | 3799.57                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 10 | 08/19/11      | 3860.58                     | -                   | 61.39             | 0.00             | 3799.19                                |
| MW - 10 | 11/15/11      | 3860.58                     | -                   | 61.40             | 0.00             | 3799.18                                |
| MW - 10 | 11/30/11      | 3860.58                     | -                   | 61.43             | 0.00             | 3799.15                                |
| MW - 10 | 02/29/12      | 3860.58                     | -                   | 61.57             | 0.00             | 3799.01                                |
| MW - 10 | 03/09/12      | 3860.58                     | -                   | 61.61             | 0.00             | 3798.97                                |
| MW - 10 | 05/01/12      | 3860.58                     | -                   | 61.64             | 0.00             | 3798.94                                |
| MW - 10 | 08/10/12      | 3860.58                     | -                   | 62.00             | 0.00             | 3798.58                                |
| MW - 10 | 11/27/12      | 3860.58                     | -                   | 61.91             | 0.00             | 3798.67                                |
| MW - 10 | 02/21/13      | 3860.58                     | -                   | 62.00             | 0.00             | 3798.58                                |
| MW - 10 | 05/15/13      | 3860.58                     | -                   | 62.08             | 0.00             | 3798.50                                |
| MW - 10 | 08/21/13      | 3860.58                     | -                   | 62.17             | 0.00             | 3798.41                                |
| MW - 10 | 11/11/13      | 3860.58                     | -                   | 62.25             | 0.00             | 3798.33                                |
| MW - 10 | 02/20/14      | 3860.58                     | -                   | 63.34             | 0.00             | 3797.24                                |
| MW - 10 | 05/20/14      | 3860.58                     | -                   | 62.42             | 0.00             | 3798.16                                |
| MW - 10 | 07/29/14      | 3860.58                     | -                   | 62.48             | 0.00             | 3798.10                                |
| MW - 10 | 08/19/14      | 3860.58                     | -                   | 62.49             | 0.00             | 3798.09                                |
| MW - 10 | 10/30/14      | 3860.58                     | -                   | 62.51             | 0.00             | 3798.07                                |
| MW - 10 | 11/24/14      | 3860.58                     | -                   | 62.53             | 0.00             | 3798.05                                |
| MW - 10 | 02/11/15      | 3860.58                     | -                   | 62.58             | 0.00             | 3798.00                                |
| MW - 10 | 03/11/15      | 3860.58                     | -                   | 62.60             | 0.00             | 3797.98                                |
| MW - 10 | 04/17/15      | 3860.58                     | -                   | 60.39             | 0.00             | 3800.19                                |
| MW - 10 | 05/19/15      | 3860.58                     | -                   | 62.64             | 0.00             | 3797.94                                |
| MW - 10 | 07/31/15      | 3860.58                     | -                   | 62.73             | 0.00             | 3797.85                                |
| MW - 10 | 08/12/15      | 3860.58                     | -                   | 62.74             | 0.00             | 3797.84                                |
| MW - 10 | 09/11/15      | 3860.58                     | -                   | 62.78             | 0.00             | 3797.80                                |
| MW - 10 | 11/11/15      | 3860.58                     | -                   | 62.83             | 0.00             | 3797.75                                |
| MW - 10 | 02/02/16      | 3860.58                     | -                   | 62.89             | 0.00             | 3797.69                                |
| MW - 10 | 04/28/16      | 3860.58                     | -                   | 62.96             | 0.00             | 3797.62                                |
| MW - 10 | 05/10/16      | 3860.58                     | -                   | 62.97             | 0.00             | 3797.61                                |
| MW - 10 | 07/01/16      | 3860.58                     | -                   | 63.04             | 0.00             | 3797.54                                |
| MW - 10 | 07/29/16      | 3860.58                     | -                   | 63.06             | 0.00             | 3797.52                                |
| MW - 10 | 08/09/16      | 3860.58                     | -                   | 63.04             | 0.00             | 3797.54                                |
| MW - 10 | 09/15/16      | 3860.58                     | -                   | 63.09             | 0.00             | 3797.49                                |
| MW - 10 | 11/16/16      | 3860.58                     | -                   | 63.18             | 0.00             | 3797.40                                |
| MW - 10 | 12/14/16      | 3860.58                     | -                   | 63.25             | 0.00             | 3797.33                                |
| MW - 10 | 01/20/17      | 3860.58                     | -                   | 63.26             | 0.00             | 3797.32                                |
| MW - 10 | 02/21/17      | 3860.58                     | -                   | 63.30             | 0.00             | 3797.28                                |
| MW - 10 | 05/16/17      | 3860.58                     | -                   | 63.42             | 0.00             | 3797.16                                |
| MW - 10 | 06/09/17      | 3860.58                     | -                   | 63.49             | 0.00             | 3797.09                                |
| MW - 10 | 07/26/17      | 3860.58                     | -                   | 63.49             | 0.00             | 3797.09                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 10 | 08/22/17      | 3860.58                     | -                   | 63.62             | 0.00             | 3796.96                                |
| MW - 10 | 10/10/17      | 3860.58                     | -                   | 63.71             | 0.00             | 3796.87                                |
| MW - 10 | 11/28/17      | 3860.58                     | -                   | 63.77             | 0.00             | 3796.81                                |
| MW - 10 | 01/08/18      | 3860.58                     | -                   | 63.85             | 0.00             | 3796.73                                |
| MW - 10 | 02/13/18      | 3860.58                     | -                   | 63.89             | 0.00             | 3796.69                                |
| MW - 10 | 04/30/18      | 3860.58                     | -                   | 64.03             | 0.00             | 3796.55                                |
| MW - 10 | 05/16/18      | 3860.58                     | -                   | 64.04             | 0.00             | 3796.54                                |
| MW - 10 | 07/05/18      | 3860.58                     | -                   | 64.14             | 0.00             | 3796.44                                |
| MW - 10 | 07/26/18      | 3860.58                     | -                   | 64.16             | 0.00             | 3796.42                                |
| MW - 10 | 08/15/18      | 3860.58                     | -                   | 64.19             | 0.00             | 3796.39                                |
| MW - 10 | 11/27/18      | 3860.58                     | -                   | 64.36             | 0.00             | 3796.22                                |
| MW - 10 | 12/27/18      | 3860.58                     | -                   | 64.42             | 0.00             | 3796.16                                |
| MW - 10 | 01/17/19      | 3860.58                     | -                   | 64.46             | 0.00             | 3796.12                                |
| MW - 10 | 02/20/19      | 3860.58                     | -                   | 64.50             | 0.00             | 3796.08                                |
| MW - 10 | 04/04/19      | 3860.58                     | -                   | 64.58             | 0.00             | 3796.00                                |
| MW - 10 | 05/29/19      | 3860.58                     | -                   | 64.64             | 0.00             | 3795.94                                |
| MW - 10 | 08/27/19      | 3860.58                     | -                   | 64.79             | 0.00             | 3795.79                                |
| MW - 10 | 10/30/19      | 3860.58                     | -                   | 64.93             | 0.00             | 3795.65                                |
| MW - 10 | 03/17/20      | 3860.58                     | -                   | 65.20             | 0.00             | 3795.38                                |
| MW - 10 | 05/13/20      | 3860.58                     | -                   | 65.34             | 0.00             | 3795.24                                |
| MW - 10 | 06/09/20      | 3860.58                     | -                   | 65.39             | 0.00             | 3795.19                                |
| MW - 10 | 07/16/20      | 3860.58                     | -                   | 65.44             | 0.00             | 3795.14                                |
| MW - 10 | 08/26/20      | 3860.58                     | -                   | 65.49             | 0.00             | 3795.09                                |
| MW - 10 | 12/17/20      | 3860.58                     | -                   | 65.66             | 0.00             | 3794.92                                |
| MW - 10 | 01/28/21      | 3860.58                     | -                   | 65.74             | 0.00             | 3794.84                                |
| MW - 10 | 03/23/21      | 3860.58                     | -                   | 65.84             | 0.00             | 3794.74                                |
| MW - 10 | 06/23/21      | 3860.58                     | -                   | 65.99             | 0.00             | 3794.59                                |
| MW - 10 | 07/22/21      | 3860.58                     | -                   | 66.05             | 0.00             | 3794.53                                |
| MW - 10 | 09/10/21      | 3860.58                     | -                   | 66.14             | 0.00             | 3794.44                                |
| MW - 10 | 10/26/21      | 3860.58                     | -                   | 66.21             | 0.00             | 3794.37                                |
| MW - 10 | 12/15/21      | 3860.58                     | -                   | 66.30             | 0.00             | 3794.28                                |
| MW - 10 | 02/10/22      | 3860.58                     | -                   | 66.36             | 0.00             | 3794.22                                |
| MW - 10 | 05/04/22      | 3860.58                     | -                   | 66.50             | 0.00             | 3794.08                                |
| MW - 10 | 08/02/22      | 3860.58                     | -                   | 66.64             | 0.00             | 3793.94                                |
| MW - 10 | 10/28/22      | 3860.58                     | -                   | 66.77             | 0.00             | 3793.81                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 11 | 03/24/00      | 3860.00                     | -                   | 58.11             | 0.00             | 3801.89                                |
| MW - 11 | 06/14/00      | 3860.00                     | -                   | 58.59             | 0.00             | 3801.41                                |
| MW - 11 | 09/22/00      | 3860.00                     | -                   | 57.75             | 0.00             | 3802.25                                |
| MW - 11 | 12/28/00      | 3860.00                     | -                   | 57.94             | 0.00             | 3802.06                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 03/14/01      | 3860.00                     | -                   | 58.05             | 0.00             | 3801.95                                |
| MW - 11 | 06/06/01      | 3860.00                     | -                   | 58.18             | 0.00             | 3801.82                                |
| MW - 11 | 09/28/01      | 3860.00                     | -                   | 58.29             | 0.00             | 3801.71                                |
| MW - 11 | 11/17/01      | 3860.00                     | -                   | 58.56             | 0.00             | 3801.44                                |
| MW - 11 | 03/26/02      | 3860.00                     | -                   | 58.78             | 0.00             | 3801.22                                |
| MW - 11 | 06/26/02      | 3860.00                     | -                   | 58.69             | 0.00             | 3801.31                                |
| MW - 11 | 09/25/02      | 3860.00                     | -                   | 58.85             | 0.00             | 3801.15                                |
| MW - 11 | 12/10/02      | 3860.00                     | -                   | 58.86             | 0.00             | 3801.14                                |
| MW - 11 | 03/10/03      | 3860.00                     | -                   | 58.93             | 0.00             | 3801.07                                |
| MW - 11 | 06/09/03      | 3860.00                     | -                   | 59.03             | 0.00             | 3800.97                                |
| MW - 11 | 09/03/03      | 3860.00                     | -                   | 59.21             | 0.00             | 3800.79                                |
| MW - 11 | 12/08/03      | 3860.00                     | -                   | 59.23             | 0.00             | 3800.77                                |
| MW - 11 | 03/01/04      | 3860.00                     | -                   | 59.33             | 0.00             | 3800.67                                |
| MW - 11 | 05/19/04      | 3860.00                     | -                   | 59.28             | 0.00             | 3800.72                                |
| MW - 11 | 08/26/04      | 3860.00                     | -                   | 59.44             | 0.00             | 3800.56                                |
| MW - 11 | 12/09/04      | 3860.00                     | -                   | 58.25             | 0.00             | 3801.75                                |
| MW - 11 | 03/17/05      | 3860.00                     | -                   | 58.25             | 0.00             | 3801.75                                |
| MW - 11 | 06/15/05      | 3860.00                     | -                   | 58.50             | 0.00             | 3801.50                                |
| MW - 11 | 09/14/05      | 3860.00                     | -                   | 58.73             | 0.00             | 3801.27                                |
| MW - 11 | 12/13/05      | 3860.00                     | -                   | 59.00             | 0.00             | 3801.00                                |
| MW - 11 | 03/15/06      | 3860.00                     | -                   | 59.22             | 0.00             | 3800.78                                |
| MW - 11 | 06/14/06      | 3860.00                     | -                   | 59.38             | 0.00             | 3800.62                                |
| MW - 11 | 09/13/06      | 3860.00                     | -                   | 59.50             | 0.00             | 3800.50                                |
| MW - 11 | 12/06/06      | 3860.00                     | -                   | 59.59             | 0.00             | 3800.41                                |
| MW - 11 | 03/01/07      | 3860.00                     | -                   | 59.67             | 0.00             | 3800.33                                |
| MW - 11 | 05/24/07      | 3860.00                     | -                   | 59.73             | 0.00             | 3800.27                                |
| MW - 11 | 08/23/07      | 3860.00                     | -                   | 59.81             | 0.00             | 3800.19                                |
| MW - 11 | 11/08/07      | 3860.00                     | -                   | 59.87             | 0.00             | 3800.13                                |
| MW - 11 | 03/04/08      | 3860.00                     | -                   | 59.97             | 0.00             | 3800.03                                |
| MW - 11 | 06/11/08      | 3860.00                     | -                   | 60.05             | 0.00             | 3799.95                                |
| MW - 11 | 09/09/08      | 3860.00                     | -                   | 60.16             | 0.00             | 3799.84                                |
| MW - 11 | 12/11/08      | 3860.00                     | -                   | 60.29             | 0.00             | 3799.71                                |
| MW - 11 | 02/26/09      | 3860.00                     | -                   | 60.32             | 0.00             | 3799.68                                |
| MW - 11 | 05/22/09      | 3860.00                     | -                   | 60.46             | 0.00             | 3799.54                                |
| MW - 11 | 08/18/09      | 3860.00                     | -                   | 60.42             | 0.00             | 3799.58                                |
| MW - 11 | 12/10/09      | 3860.00                     | -                   | 60.49             | 0.00             | 3799.51                                |
| MW - 11 | 01/06/10      | 3860.00                     | -                   | 60.51             | 0.00             | 3799.49                                |
| MW - 11 | 02/22/10      | 3860.00                     | -                   | 60.56             | 0.00             | 3799.44                                |
| MW - 11 | 05/06/10      | 3860.00                     | -                   | 60.51             | 0.00             | 3799.49                                |
| MW - 11 | 05/13/10      | 3860.00                     | -                   | 60.53             | 0.00             | 3799.47                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 05/19/10      | 3860.00                     | -                   | 60.54             | 0.00             | 3799.46                                |
| MW - 11 | 06/04/10      | 3860.00                     | -                   | 60.64             | 0.00             | 3799.36                                |
| MW - 11 | 08/26/10      | 3860.00                     | -                   | 60.67             | 0.00             | 3799.33                                |
| MW - 11 | 11/30/10      | 3860.00                     | -                   | 60.51             | 0.00             | 3799.49                                |
| MW - 11 | 03/08/11      | 3860.00                     | -                   | 60.50             | 0.00             | 3799.50                                |
| MW - 11 | 05/25/11      | 3860.00                     | -                   | 60.51             | 0.00             | 3799.49                                |
| MW - 11 | 08/19/11      | 3860.00                     | 60.56               | 62.40             | 1.84             | 3799.16                                |
| MW - 11 | 09/06/11      | 3860.00                     | 60.50               | 62.95             | 2.45             | 3799.13                                |
| MW - 11 | 09/13/11      | 3860.00                     | 60.60               | 62.42             | 1.82             | 3799.13                                |
| MW - 11 | 10/13/11      | 3860.00                     | 60.55               | 62.78             | 2.23             | 3799.12                                |
| MW - 11 | 11/15/11      | 3860.00                     | 60.63               | 63.33             | 2.70             | 3798.97                                |
| MW - 11 | 11/30/11      | 3860.00                     | 60.51               | 63.45             | 2.94             | 3799.05                                |
| MW - 11 | 01/24/12      | 3860.00                     | 60.55               | 63.59             | 3.04             | 3798.99                                |
| MW - 11 | 01/31/12      | 3860.00                     | 60.62               | 63.31             | 2.69             | 3798.98                                |
| MW - 11 | 02/08/12      | 3860.00                     | 60.67               | 63.59             | 2.92             | 3798.89                                |
| MW - 11 | 02/29/12      | 3860.00                     | 60.63               | 63.65             | 3.02             | 3798.92                                |
| MW - 11 | 03/09/12      | 3860.00                     | 60.72               | 63.38             | 2.66             | 3798.88                                |
| MW - 11 | 03/16/12      | 3860.00                     | 60.67               | 63.57             | 2.90             | 3798.90                                |
| MW - 11 | 03/21/12      | 3860.00                     | 60.79               | 63.06             | 2.27             | 3798.87                                |
| MW - 11 | 03/28/12      | 3860.00                     | 60.75               | 63.25             | 2.50             | 3798.88                                |
| MW - 11 | 04/04/12      | 3860.00                     | 60.74               | 63.27             | 2.53             | 3798.88                                |
| MW - 11 | 04/11/12      | 3860.00                     | 59.77               | 63.33             | 3.56             | 3799.70                                |
| MW - 11 | 04/18/12      | 3860.00                     | 60.78               | 63.33             | 2.55             | 3798.84                                |
| MW - 11 | 04/25/12      | 3860.00                     | 60.77               | 63.26             | 2.49             | 3798.86                                |
| MW - 11 | 05/01/12      | 3860.00                     | 60.71               | 63.43             | 2.72             | 3798.88                                |
| MW - 11 | 05/09/12      | 3860.00                     | 60.77               | 63.26             | 2.49             | 3798.86                                |
| MW - 11 | 06/07/12      | 3860.00                     | 60.74               | 63.84             | 3.10             | 3798.80                                |
| MW - 11 | 06/20/12      | 3860.00                     | 60.75               | 63.91             | 3.16             | 3798.78                                |
| MW - 11 | 06/27/12      | 3860.00                     | 60.77               | 63.87             | 3.10             | 3798.77                                |
| MW - 11 | 07/11/12      | 3860.00                     | 60.80               | 63.96             | 3.16             | 3798.73                                |
| MW - 11 | 08/10/12      | 3860.00                     | 61.06               | 63.78             | 2.72             | 3798.53                                |
| MW - 11 | 09/06/12      | 3860.00                     | 60.84               | 64.04             | 3.20             | 3798.68                                |
| MW - 11 | 10/04/12      | 3860.00                     | 60.97               | 64.22             | 3.25             | 3798.54                                |
| MW - 11 | 10/12/12      | 3860.00                     | 61.01               | 63.66             | 2.65             | 3798.59                                |
| MW - 11 | 10/18/12      | 3860.00                     | 60.96               | 63.97             | 3.01             | 3798.59                                |
| MW - 11 | 10/25/12      | 3860.00                     | 61.05               | 63.49             | 2.44             | 3798.58                                |
| MW - 11 | 10/31/12      | 3860.00                     | 61.01               | 63.65             | 2.64             | 3798.59                                |
| MW - 11 | 11/15/12      | 3860.00                     | 61.19               | 62.81             | 1.62             | 3798.57                                |
| MW - 11 | 11/27/12      | 3860.00                     | 61.04               | 63.81             | 2.77             | 3798.54                                |
| MW - 11 | 12/19/12      | 3860.00                     | 60.97               | 64.29             | 3.32             | 3798.53                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 01/17/13      | 3860.00                     | 61.01               | 64.23             | 3.22             | 3798.51                                |
| MW - 11 | 01/31/13      | 3860.00                     | 61.02               | 64.33             | 3.31             | 3798.48                                |
| MW - 11 | 02/21/13      | 3860.00                     | 61.03               | 64.38             | 3.35             | 3798.47                                |
| MW - 11 | 03/05/13      | 3860.00                     | 61.05               | 64.38             | 3.33             | 3798.45                                |
| MW - 11 | 03/21/13      | 3860.00                     | 61.03               | 64.37             | 3.34             | 3798.47                                |
| MW - 11 | 04/04/13      | 3860.00                     | 61.08               | 64.44             | 3.36             | 3798.42                                |
| MW - 11 | 04/11/13      | 3860.00                     | 61.43               | 62.33             | 0.90             | 3798.44                                |
| MW - 11 | 04/18/13      | 3860.00                     | 61.29               | 63.40             | 2.11             | 3798.39                                |
| MW - 11 | 04/25/13      | 3860.00                     | 61.17               | 63.96             | 2.79             | 3798.41                                |
| MW - 11 | 05/01/13      | 3860.00                     | 61.14               | 64.38             | 3.24             | 3798.37                                |
| MW - 11 | 05/10/13      | 3860.00                     | 61.15               | 64.13             | 2.98             | 3798.40                                |
| MW - 11 | 05/15/13      | 3860.00                     | 61.20               | 63.98             | 2.78             | 3798.38                                |
| MW - 11 | 05/24/13      | 3860.00                     | 61.13               | 64.45             | 3.32             | 3798.37                                |
| MW - 11 | 05/30/13      | 3860.00                     | 61.22               | 64.00             | 2.78             | 3798.36                                |
| MW - 11 | 06/06/13      | 3860.00                     | 61.18               | 64.21             | 3.03             | 3798.37                                |
| MW - 11 | 06/14/13      | 3860.00                     | 61.17               | 64.35             | 3.18             | 3798.35                                |
| MW - 11 | 06/20/13      | 3860.00                     | 61.30               | 63.64             | 2.34             | 3798.35                                |
| MW - 11 | 06/27/13      | 3860.00                     | 61.24               | 63.85             | 2.61             | 3798.37                                |
| MW - 11 | 07/03/13      | 3860.00                     | 61.24               | 64.05             | 2.81             | 3798.34                                |
| MW - 11 | 07/10/13      | 3860.00                     | 61.27               | 63.84             | 2.57             | 3798.34                                |
| MW - 11 | 07/25/13      | 3860.00                     | 61.18               | 64.47             | 3.29             | 3798.33                                |
| MW - 11 | 07/31/13      | 3860.00                     | 61.19               | 64.45             | 3.26             | 3798.32                                |
| MW - 11 | 08/20/13      | 3860.00                     | 61.17               | 64.67             | 3.50             | 3798.31                                |
| MW - 11 | 08/29/13      | 3860.00                     | 61.16               | 64.62             | 3.46             | 3798.32                                |
| MW - 11 | 09/09/13      | 3860.00                     | 61.20               | 64.59             | 3.39             | 3798.29                                |
| MW - 11 | 09/18/13      | 3860.00                     | 61.22               | 64.57             | 3.35             | 3798.28                                |
| MW - 11 | 09/27/13      | 3860.00                     | 61.22               | 64.52             | 3.30             | 3798.29                                |
| MW - 11 | 10/02/13      | 3860.00                     | 61.28               | 64.42             | 3.14             | 3798.25                                |
| MW - 11 | 10/08/13      | 3860.00                     | 61.22               | 64.42             | 3.20             | 3798.30                                |
| MW - 11 | 10/16/13      | 3860.00                     | 61.61               | 63.08             | 1.47             | 3798.17                                |
| MW - 11 | 10/24/13      | 3860.00                     | 61.18               | 64.63             | 3.45             | 3798.30                                |
| MW - 11 | 10/31/13      | 3860.00                     | 61.22               | 64.53             | 3.31             | 3798.28                                |
| MW - 11 | 11/11/13      | 3860.00                     | 61.42               | 66.64             | 5.22             | 3797.80                                |
| MW - 11 | 12/11/13      | 3860.00                     | 61.27               | 64.73             | 3.46             | 3798.21                                |
| MW - 11 | 12/17/13      | 3860.00                     | 61.28               | 64.81             | 3.53             | 3798.19                                |
| MW - 11 | 01/03/14      | 3860.00                     | 61.31               | 64.84             | 3.53             | 3798.16                                |
| MW - 11 | 01/09/14      | 3860.00                     | 61.90               | 64.70             | 2.80             | 3797.68                                |
| MW - 11 | 01/15/14      | 3860.00                     | 61.24               | 64.70             | 3.46             | 3798.24                                |
| MW - 11 | 01/22/14      | 3860.00                     | 61.29               | 64.80             | 3.51             | 3798.18                                |
| MW - 11 | 01/29/14      | 3860.00                     | 61.29               | 64.82             | 3.53             | 3798.18                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 02/20/14      | 3860.00                     | 61.28               | 64.87             | 3.59             | 3798.18                                |
| MW - 11 | 03/04/14      | 3860.00                     | 61.28               | 64.84             | 3.56             | 3798.19                                |
| MW - 11 | 03/11/14      | 3860.00                     | 61.34               | 64.92             | 3.58             | 3798.12                                |
| MW - 11 | 03/18/14      | 3860.00                     | 61.33               | 64.93             | 3.60             | 3798.13                                |
| MW - 11 | 03/29/14      | 3860.00                     | 61.35               | 64.92             | 3.57             | 3798.11                                |
| MW - 11 | 04/01/14      | 3860.00                     | 61.43               | 64.48             | 3.05             | 3798.11                                |
| MW - 11 | 04/08/14      | 3860.00                     | 61.35               | 64.82             | 3.47             | 3798.13                                |
| MW - 11 | 04/18/14      | 3860.00                     | 61.35               | 64.93             | 3.58             | 3798.11                                |
| MW - 11 | 04/23/14      | 3860.00                     | 61.41               | 64.69             | 3.28             | 3798.10                                |
| MW - 11 | 05/05/14      | 3860.00                     | 61.35               | 64.95             | 3.60             | 3798.11                                |
| MW - 11 | 05/16/14      | 3860.00                     | 61.36               | 64.96             | 3.60             | 3798.10                                |
| MW - 11 | 05/20/14      | 3860.00                     | 61.54               | 64.48             | 2.94             | 3798.02                                |
| MW - 11 | 05/30/14      | 3860.00                     | 61.47               | 64.97             | 3.50             | 3798.01                                |
| MW - 11 | 06/18/14      | 3860.00                     | 61.40               | 65.05             | 3.65             | 3798.05                                |
| MW - 11 | 06/27/14      | 3860.00                     | 61.46               | 65.09             | 3.63             | 3798.00                                |
| MW - 11 | 07/02/14      | 3860.00                     | 61.44               | 65.00             | 3.56             | 3798.03                                |
| MW - 11 | 07/10/14      | 3860.00                     | 61.42               | 65.03             | 3.61             | 3798.04                                |
| MW - 11 | 07/29/14      | 3860.00                     | 61.45               | 64.90             | 3.45             | 3798.03                                |
| MW - 11 | 07/30/14      | 3860.00                     | 61.45               | 64.90             | 3.45             | 3798.03                                |
| MW - 11 | 08/08/14      | 3860.00                     | 61.44               | 65.08             | 3.64             | 3798.01                                |
| MW - 11 | 08/19/14      | 3860.00                     | 61.44               | 65.08             | 3.64             | 3798.01                                |
| MW - 11 | 09/04/14      | 3860.00                     | 61.50               | 65.20             | 3.70             | 3797.95                                |
| MW - 11 | 09/11/14      | 3860.00                     | 61.53               | 65.03             | 3.50             | 3797.95                                |
| MW - 11 | 10/16/14      | 3860.00                     | 61.44               | 65.12             | 3.68             | 3798.01                                |
| MW - 11 | 10/22/14      | 3860.00                     | 61.50               | 64.90             | 3.40             | 3797.99                                |
| MW - 11 | 10/23/14      | 3860.00                     | 61.50               | 64.90             | 3.40             | 3797.99                                |
| MW - 11 | 11/24/14      | 3860.00                     | 61.52               | 65.21             | 3.69             | 3797.93                                |
| MW - 11 | 12/05/14      | 3860.00                     | 61.53               | 65.26             | 3.73             | 3797.91                                |
| MW - 11 | 12/12/14      | 3860.00                     | 61.52               | 65.29             | 3.77             | 3797.91                                |
| MW - 11 | 12/19/14      | 3860.00                     | 61.53               | 65.11             | 3.58             | 3797.93                                |
| MW - 11 | 01/07/15      | 3860.00                     | 61.56               | 65.25             | 3.69             | 3797.89                                |
| MW - 11 | 02/05/15      | 3860.00                     | 61.54               | 65.26             | 3.72             | 3797.90                                |
| MW - 11 | 02/11/15      | 3860.00                     | 61.64               | 64.73             | 3.09             | 3797.90                                |
| MW - 11 | 02/20/15      | 3860.00                     | 61.55               | 65.27             | 3.72             | 3797.89                                |
| MW - 11 | 03/06/15      | 3860.00                     | 61.59               | 65.26             | 3.67             | 3797.86                                |
| MW - 11 | 03/11/15      | 3860.00                     | 61.67               | 64.75             | 3.08             | 3797.87                                |
| MW - 11 | 03/13/15      | 3860.00                     | 61.62               | 64.96             | 3.34             | 3797.88                                |
| MW - 11 | 03/17/15      | 3860.00                     | 61.71               | 64.53             | 2.82             | 3797.87                                |
| MW - 11 | 04/01/15      | 3860.00                     | 61.60               | 65.24             | 3.64             | 3797.85                                |
| MW - 11 | 04/09/15      | 3860.00                     | 61.67               | 64.94             | 3.27             | 3797.84                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 04/15/15      | 3860.00                     | 61.69               | 64.74             | 3.05             | 3797.85                                |
| MW - 11 | 04/17/15      | 3860.00                     | 61.90               | 63.87             | 1.97             | 3797.80                                |
| MW - 11 | 04/28/15      | 3860.00                     | 61.65               | 65.11             | 3.46             | 3797.83                                |
| MW - 11 | 05/19/15      | 3860.00                     | 61.63               | 65.35             | 3.72             | 3797.81                                |
| MW - 11 | 06/02/15      | 3860.00                     | 61.64               | 65.44             | 3.80             | 3797.79                                |
| MW - 11 | 06/11/15      | 3860.00                     | 61.71               | 65.02             | 3.31             | 3797.79                                |
| MW - 11 | 06/17/15      | 3860.00                     | 61.75               | 64.79             | 3.04             | 3797.79                                |
| MW - 11 | 06/25/15      | 3860.00                     | 61.73               | 64.93             | 3.20             | 3797.79                                |
| MW - 11 | 07/01/15      | 3860.00                     | 61.77               | 64.81             | 3.04             | 3797.77                                |
| MW - 11 | 07/08/15      | 3860.00                     | 61.76               | 64.94             | 3.18             | 3797.76                                |
| MW - 11 | 07/15/15      | 3860.00                     | 61.76               | 64.96             | 3.20             | 3797.76                                |
| MW - 11 | 07/22/15      | 3860.00                     | 61.62               | 65.42             | 3.80             | 3797.81                                |
| MW - 11 | 07/29/15      | 3860.00                     | 61.68               | 65.49             | 3.81             | 3797.75                                |
| MW - 11 | 07/31/15      | 3860.00                     | 61.93               | 63.96             | 2.03             | 3797.77                                |
| MW - 11 | 08/06/15      | 3860.00                     | 61.82               | 64.79             | 2.97             | 3797.73                                |
| MW - 11 | 08/12/15      | 3860.00                     | 61.74               | 65.19             | 3.45             | 3797.74                                |
| MW - 11 | 08/17/15      | 3860.00                     | 61.77               | 64.75             | 2.98             | 3797.78                                |
| MW - 11 | 08/19/15      | 3860.00                     | 61.75               | 65.72             | 3.97             | 3797.65                                |
| MW - 11 | 08/27/15      | 3860.00                     | 61.74               | 65.23             | 3.49             | 3797.74                                |
| MW - 11 | 09/03/15      | 3860.00                     | 61.77               | 65.15             | 3.38             | 3797.72                                |
| MW - 11 | 09/09/15      | 3860.00                     | 61.92               | 64.94             | 3.02             | 3797.63                                |
| MW - 11 | 09/11/15      | 3860.00                     | 61.99               | 64.04             | 2.05             | 3797.70                                |
| MW - 11 | 09/15/15      | 3860.00                     | 61.85               | 64.83             | 2.98             | 3797.70                                |
| MW - 11 | 09/22/15      | 3860.00                     | 61.85               | 64.90             | 3.05             | 3797.69                                |
| MW - 11 | 09/30/15      | 3860.00                     | 61.83               | 65.08             | 3.25             | 3797.68                                |
| MW - 11 | 10/06/15      | 3860.00                     | 61.89               | 64.73             | 2.84             | 3797.68                                |
| MW - 11 | 10/13/15      | 3860.00                     | 61.87               | 65.01             | 3.14             | 3797.66                                |
| MW - 11 | 10/27/15      | 3860.00                     | 61.80               | 65.36             | 3.56             | 3797.67                                |
| MW - 11 | 11/11/15      | 3860.00                     | 61.80               | 65.57             | 3.77             | 3797.63                                |
| MW - 11 | 11/18/15      | 3860.00                     | 61.89               | 65.58             | 3.69             | 3797.56                                |
| MW - 11 | 12/03/15      | 3860.00                     | 61.85               | 65.65             | 3.80             | 3797.58                                |
| MW - 11 | 12/10/15      | 3860.00                     | 61.89               | 65.18             | 3.29             | 3797.62                                |
| MW - 11 | 12/22/15      | 3860.00                     | 61.82               | 65.50             | 3.68             | 3797.63                                |
| MW - 11 | 01/08/16      | 3860.00                     | 61.83               | 65.65             | 3.82             | 3797.60                                |
| MW - 11 | 01/14/16      | 3860.00                     | 61.80               | 65.71             | 3.91             | 3797.61                                |
| MW - 11 | 01/28/16      | 3860.00                     | 61.85               | 65.67             | 3.82             | 3797.58                                |
| MW - 11 | 02/02/16      | 3860.00                     | 62.03               | 64.80             | 2.77             | 3797.55                                |
| MW - 11 | 02/09/16      | 3860.00                     | 61.83               | 65.63             | 3.80             | 3797.60                                |
| MW - 11 | 03/02/16      | 3860.00                     | 61.87               | 65.74             | 3.87             | 3797.55                                |
| MW - 11 | 03/09/16      | 3860.00                     | 61.96               | 65.30             | 3.34             | 3797.54                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 11 | 03/17/16           | 3860.00                     | 61.90               | 65.69             | 3.79             | 3797.53                                |
| MW - 11 | 04/06/16           | 3860.00                     | 61.92               | 65.79             | 3.87             | 3797.50                                |
| MW - 11 | 04/13/16           | 3860.00                     | 62.02               | 65.09             | 3.07             | 3797.52                                |
| MW - 11 | 04/20/16           | 3860.00                     | 62.01               | 65.28             | 3.27             | 3797.50                                |
| MW - 11 | 04/27/16           | 3860.00                     | 61.95               | 65.66             | 3.71             | 3797.49                                |
| MW - 11 | 04/28/16           | 3860.00                     | 61.95               | 65.66             | 3.71             | 3797.49                                |
| MW - 11 | 05/05/16           | 3860.00                     | 62.02               | 65.25             | 3.23             | 3797.50                                |
| MW - 11 | 05/10/16           | 3860.00                     | 62.06               | 64.90             | 2.84             | 3797.51                                |
| MW - 11 | 06/08/16           | 3860.00                     | 61.94               | 65.91             | 3.97             | 3797.46                                |
| MW - 11 | 06/15/16           | 3860.00                     | 61.94               | 65.90             | 3.96             | 3797.47                                |
| MW - 11 | 06/21/16           | 3860.00                     | 61.96               | 65.96             | 4.00             | 3797.44                                |
| MW - 11 | 06/30/16           | 3860.00                     | 62.01               | 64.22             | 2.21             | 3797.66                                |
| MW - 11 | 07/01/16           | 3860.00                     | 62.01               | 64.22             | 2.21             | 3797.66                                |
| MW - 11 | 07/07/16           | 3860.00                     | 62.09               | 65.35             | 3.26             | 3797.42                                |
| MW - 11 | 07/15/16           | 3860.00                     | 62.11               | 65.45             | 3.34             | 3797.39                                |
| MW - 11 | 07/21/16           | 3860.00                     | 62.11               | 65.21             | 3.10             | 3797.43                                |
| MW - 11 | 07/28/16           | 3860.00                     | 62.11               | 65.30             | 3.19             | 3797.41                                |
| MW - 11 | 08/02/16           | 3860.00                     | 62.15               | 65.02             | 2.87             | 3797.42                                |
| MW - 11 | 08/09/16           | 3860.00                     | 62.07               | 65.17             | 3.10             | 3797.47                                |
| MW - 11 | 08/12/16           | 3860.00                     | 62.05               | 65.75             | 3.70             | 3797.40                                |
| MW - 11 | 08/16/16           | 3860.00                     | 62.21               | 64.88             | 2.67             | 3797.39                                |
| MW - 11 | 08/25/16           | 3860.00                     | 62.11               | 65.51             | 3.40             | 3797.38                                |
| MW - 11 | 09/01/16           | 3860.00                     | 62.13               | 65.31             | 3.18             | 3797.39                                |
| MW - 11 | 09/08/16           | 3860.00                     | 62.07               | 65.76             | 3.69             | 3797.38                                |
| MW - 11 | 9/14/16 -9/15/2016 | 3860.00                     | 62.17               | 65.25             | 3.08             | 3797.37                                |
| MW - 11 | 09/22/16           | 3860.00                     | 62.16               | 65.49             | 3.33             | 3797.34                                |
| MW - 11 | 09/29/16           | 3860.00                     | 62.21               | 65.34             | 3.13             | 3797.32                                |
| MW - 11 | 10/06/16           | 3860.00                     | 62.19               | 65.40             | 3.21             | 3797.33                                |
| MW - 11 | 10/13/16           | 3860.00                     | 62.19               | 65.45             | 3.26             | 3797.32                                |
| MW - 11 | 10/20/16           | 3860.00                     | 62.22               | 65.35             | 3.13             | 3797.31                                |
| MW-11   | 10/27/16           | 3860.00                     | 62.23               | 65.35             | 3.12             | 3797.30                                |
| MW-11   | 11/10/16           | 3860.00                     | 62.20               | 65.74             | 3.54             | 3797.27                                |
| MW-11   | 11/16/16           | 3860.00                     | 62.17               | 65.93             | 3.76             | 3797.27                                |
| MW-11   | 11/23/16           | 3860.00                     | 62.17               | 65.98             | 3.81             | 3797.26                                |
| MW-11   | 12/09/16           | 3860.00                     | 62.21               | 65.85             | 3.64             | 3797.24                                |
| MW-11   | 12/14/16           | 3860.00                     | 62.22               | 65.99             | 3.77             | 3797.21                                |
| MW-11   | 12/28/16           | 3860.00                     | 62.21               | 66.17             | 3.96             | 3797.20                                |
| MW-11   | 01/05/17           | 3860.00                     | 62.31               | 65.63             | 3.32             | 3797.19                                |
| MW-11   | 01/12/17           | 3860.00                     | 62.37               | 65.45             | 3.08             | 3797.17                                |
| MW-11   | 01/19/17           | 3860.00                     | 62.36               | 65.47             | 3.11             | 3797.17                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 01/20/17      | 3860.00                     | 62.36               | 65.47             | 3.11             | 3797.17                                |
| MW-11 | 01/25/17      | 3860.00                     | 62.41               | 65.22             | 2.81             | 3797.17                                |
| MW-11 | 02/02/17      | 3860.00                     | 62.38               | 65.43             | 3.05             | 3797.16                                |
| MW-11 | 02/09/17      | 3860.00                     | 62.41               | 65.23             | 2.82             | 3797.17                                |
| MW-11 | 02/17/17      | 3860.00                     | 62.39               | 65.58             | 3.19             | 3797.13                                |
| MW-11 | 02/22/17      | 3860.00                     | 62.47               | 65.15             | 2.68             | 3797.13                                |
| MW-11 | 03/02/17      | 3860.00                     | 62.38               | 65.78             | 3.40             | 3797.11                                |
| MW-11 | 03/09/17      | 3860.00                     | 62.44               | 65.35             | 2.91             | 3797.12                                |
| MW-11 | 03/16/17      | 3860.00                     | 62.49               | 65.42             | 2.93             | 3797.07                                |
| MW-11 | 03/23/17      | 3860.00                     | 62.45               | 65.36             | 2.91             | 3797.11                                |
| MW-11 | 03/30/17      | 3860.00                     | 62.50               | 65.37             | 2.87             | 3797.07                                |
| MW-11 | 04/06/17      | 3860.00                     | 62.51               | 65.35             | 2.84             | 3797.06                                |
| MW-11 | 04/12/17      | 3860.00                     | 62.53               | 65.26             | 2.73             | 3797.06                                |
| MW-11 | 04/20/17      | 3860.00                     | 62.51               | 65.54             | 3.03             | 3797.04                                |
| MW-11 | 04/27/17      | 3860.00                     | 62.54               | 65.33             | 2.79             | 3797.04                                |
| MW-11 | 05/03/17      | 3860.00                     | 62.25               | 64.06             | 1.81             | 3797.48                                |
| MW-11 | 05/10/17      | 3860.00                     | 62.56               | 65.46             | 2.90             | 3797.01                                |
| MW-11 | 05/17/17      | 3860.00                     | 62.58               | 65.33             | 2.75             | 3797.01                                |
| MW-11 | 05/26/17      | 3860.00                     | 62.53               | 65.92             | 3.39             | 3796.96                                |
| MW-11 | 06/02/17      | 3860.00                     | 62.57               | 65.59             | 3.02             | 3796.98                                |
| MW-11 | 06/08/17      | 3860.00                     | 62.51               | 65.97             | 3.46             | 3796.97                                |
| MW-11 | 06/09/17      | 3860.00                     | 62.51               | 65.95             | 3.44             | 3796.97                                |
| MW-11 | 06/14/17      | 3860.00                     | 62.63               | 65.44             | 2.81             | 3796.95                                |
| MW-11 | 06/21/17      | 3860.00                     | 62.55               | 65.96             | 3.41             | 3796.94                                |
| MW-11 | 06/27/17      | 3860.00                     | 62.66               | 65.55             | 2.89             | 3796.91                                |
| MW-11 | 06/30/17      | 3860.00                     | 62.85               | 64.55             | 1.70             | 3796.90                                |
| MW-11 | 07/06/17      | 3860.00                     | 62.68               | 65.40             | 2.72             | 3796.91                                |
| MW-11 | 07/13/17      | 3860.00                     | 62.67               | 65.63             | 2.96             | 3796.89                                |
| MW-11 | 07/19/17      | 3860.00                     | 62.71               | 65.32             | 2.61             | 3796.90                                |
| MW-11 | 07/23/17      | 3860.00                     | 62.80               | 64.81             | 2.01             | 3796.90                                |
| MW-11 | 07/26/17      | 3860.00                     | 62.63               | 63.39             | 0.76             | 3797.26                                |
| MW-11 | 08/09/17      | 3860.00                     | 62.64               | 66.11             | 3.47             | 3796.84                                |
| MW-11 | 08/16/17      | 3860.00                     | 62.72               | 65.56             | 2.84             | 3796.85                                |
| MW-11 | 08/23/17      | 3860.00                     | 62.72               | 65.63             | 2.91             | 3796.84                                |
| MW-11 | 08/31/17      | 3860.00                     | 62.65               | 66.10             | 3.45             | 3796.83                                |
| MW-11 | 09/05/17      | 3860.00                     | 62.79               | 65.52             | 2.73             | 3796.80                                |
| MW-11 | 09/13/17      | 3860.00                     | 62.71               | 65.83             | 3.12             | 3796.82                                |
| MW-11 | 09/18/17      | 3860.00                     | 62.82               | 65.41             | 2.59             | 3796.79                                |
| MW-11 | 09/20/17      | 3860.00                     | 62.95               | 64.52             | 1.57             | 3796.81                                |
| MW-11 | 09/28/17      | 3860.00                     | 62.99               | 64.52             | 1.53             | 3796.78                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 10/03/17      | 3860.00                     | 62.89               | 65.30             | 2.41             | 3796.75                                |
| MW-11 | 10/05/17      | 3860.00                     | 63.02               | 64.49             | 1.47             | 3796.76                                |
| MW-11 | 10/10/17      | 3860.00                     | 62.87               | 65.23             | 2.36             | 3796.78                                |
| MW-11 | 10/12/17      | 3860.00                     | 63.05               | 64.38             | 1.33             | 3796.75                                |
| MW-11 | 10/17/17      | 3860.00                     | 62.87               | 65.32             | 2.45             | 3796.76                                |
| MW-11 | 10/19/17      | 3860.00                     | 63.07               | 64.39             | 1.32             | 3796.73                                |
| MW-11 | 10/25/17      | 3860.00                     | 62.82               | 65.50             | 2.68             | 3796.78                                |
| MW-11 | 10/31/17      | 3860.00                     | 62.89               | 65.49             | 2.60             | 3796.72                                |
| MW-11 | 11/02/17      | 3860.00                     | 63.04               | 64.52             | 1.48             | 3796.74                                |
| MW-11 | 11/06/17      | 3860.00                     | 62.97               | 65.10             | 2.13             | 3796.71                                |
| MW-11 | 11/17/17      | 3860.00                     | 62.82               | 65.98             | 3.16             | 3796.71                                |
| MW-11 | 11/22/17      | 3860.00                     | 62.80               | 65.99             | 3.19             | 3796.72                                |
| MW-11 | 11/29/17      | 3860.00                     | 62.80               | 66.43             | 3.63             | 3796.66                                |
| MW-11 | 12/11/17      | 3860.00                     | 62.79               | 66.64             | 3.85             | 3796.63                                |
| MW-11 | 12/20/17      | 3860.00                     | 62.91               | 66.07             | 3.16             | 3796.62                                |
| MW-11 | 12/28/17      | 3860.00                     | 62.94               | 65.86             | 2.92             | 3796.62                                |
| MW-11 | 01/08/18      | 3860.00                     | 63.07               | 65.16             | 2.09             | 3796.62                                |
| MW-11 | 01/15/18      | 3860.00                     | 63.12               | 65.23             | 2.11             | 3796.56                                |
| MW-11 | 01/18/18      | 3860.00                     | 63.12               | 64.97             | 1.85             | 3796.60                                |
| MW-11 | 01/22/18      | 3860.00                     | 63.13               | 65.13             | 2.00             | 3796.57                                |
| MW-11 | 01/25/18      | 3860.00                     | 63.13               | 64.97             | 1.84             | 3796.59                                |
| MW-11 | 01/29/18      | 3860.00                     | 63.11               | 65.17             | 2.06             | 3796.58                                |
| MW-11 | 02/01/18      | 3860.00                     | 63.16               | 64.98             | 1.82             | 3796.57                                |
| MW-11 | 02/14/18      | 3860.00                     | 62.96               | 66.17             | 3.21             | 3796.56                                |
| MW-11 | 02/15/18      | 3860.00                     | 62.96               | 66.17             | 3.21             | 3796.56                                |
| MW-11 | 03/01/18      | 3860.00                     | 63.07               | 65.84             | 2.77             | 3796.51                                |
| MW-11 | 03/05/18      | 3860.00                     | 63.20               | 65.31             | 2.11             | 3796.48                                |
| MW-11 | 03/08/18      | 3860.00                     | 63.23               | 65.00             | 1.77             | 3796.50                                |
| MW-11 | 03/12/18      | 3860.00                     | 63.18               | 65.15             | 1.97             | 3796.52                                |
| MW-11 | 03/14/18      | 3860.00                     | 63.27               | 64.70             | 1.43             | 3796.52                                |
| MW-11 | 03/20/18      | 3860.00                     | 63.16               | 65.54             | 2.38             | 3796.48                                |
| MW-11 | 03/22/18      | 3860.00                     | 63.34               | 64.49             | 1.15             | 3796.49                                |
| MW-11 | 03/27/18      | 3860.00                     | 63.21               | 65.35             | 2.14             | 3796.47                                |
| MW-11 | 03/29/18      | 3860.00                     | 63.39               | 64.50             | 1.11             | 3796.44                                |
| MW-11 | 04/03/18      | 3860.00                     | 63.24               | 65.22             | 1.98             | 3796.46                                |
| MW-11 | 04/05/18      | 3860.00                     | 63.35               | 64.48             | 1.13             | 3796.48                                |
| MW-11 | 04/12/18      | 3860.00                     | 63.28               | 64.89             | 1.61             | 3796.48                                |
| MW-11 | 04/16/18      | 3860.00                     | 63.24               | 65.27             | 2.03             | 3796.46                                |
| MW-11 | 04/19/18      | 3860.00                     | 63.32               | 64.82             | 1.50             | 3796.46                                |
| MW-11 | 04/24/18      | 3860.00                     | 63.24               | 65.57             | 2.33             | 3796.41                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 04/26/18      | 3860.00                     | 63.36               | 64.54             | 1.18             | 3796.46                                |
| MW-11 | 04/30/18      | 3860.00                     | 63.29               | 65.04             | 1.75             | 3796.45                                |
| MW-11 | 05/01/18      | 3860.00                     | 63.27               | 65.31             | 2.04             | 3796.42                                |
| MW-11 | 05/03/18      | 3860.00                     | 63.41               | 64.57             | 1.16             | 3796.42                                |
| MW-11 | 05/08/18      | 3860.00                     | 63.23               | 65.44             | 2.21             | 3796.44                                |
| MW-11 | 05/10/18      | 3860.00                     | 63.39               | 64.56             | 1.17             | 3796.43                                |
| MW-11 | 05/14/18      | 3860.00                     | 63.24               | 65.57             | 2.33             | 3796.41                                |
| MW-11 | 05/17/18      | 3860.00                     | 63.35               | 64.78             | 1.43             | 3796.44                                |
| MW-11 | 05/21/18      | 3860.00                     | 63.32               | 65.18             | 1.86             | 3796.40                                |
| MW-11 | 05/24/18      | 3860.00                     | 63.37               | 64.83             | 1.46             | 3796.41                                |
| MW-11 | 05/29/18      | 3860.00                     | 63.32               | 65.27             | 1.95             | 3796.39                                |
| MW-11 | 06/14/18      | 3860.00                     | 63.14               | 66.51             | 3.37             | 3796.35                                |
| MW-11 | 06/19/18      | 3860.00                     | 63.30               | 65.57             | 2.27             | 3796.36                                |
| MW-11 | 06/21/18      | 3860.00                     | 63.48               | 64.61             | 1.13             | 3796.35                                |
| MW-11 | 06/25/18      | 3860.00                     | 63.43               | 65.03             | 1.60             | 3796.33                                |
| MW-11 | 07/03/18      | 3860.00                     | 63.35               | 65.35             | 2.00             | 3796.35                                |
| MW-11 | 07/06/18      | 3860.00                     | 63.48               | 64.56             | 1.08             | 3796.36                                |
| MW-11 | 07/10/18      | 3860.00                     | 63.43               | 65.12             | 1.69             | 3796.32                                |
| MW-11 | 07/12/18      | 3860.00                     | 63.51               | 64.59             | 1.08             | 3796.33                                |
| MW-11 | 07/16/18      | 3860.00                     | 63.45               | 65.09             | 1.64             | 3796.30                                |
| MW-11 | 07/18/18      | 3860.00                     | 63.48               | 64.68             | 1.20             | 3796.34                                |
| MW-11 | 07/26/18      | 3860.00                     | 63.29               | 65.97             | 2.68             | 3796.31                                |
| MW-11 | 07/30/18      | 3860.00                     | 63.42               | 65.42             | 2.00             | 3796.28                                |
| MW-11 | 08/02/18      | 3860.00                     | 63.41               | 65.35             | 1.94             | 3796.30                                |
| MW-11 | 08/06/18      | 3860.00                     | 63.45               | 65.19             | 1.74             | 3796.29                                |
| MW-11 | 08/09/18      | 3860.00                     | 63.48               | 65.04             | 1.56             | 3796.29                                |
| MW-11 | 08/13/18      | 3860.00                     | 63.46               | 65.23             | 1.77             | 3796.27                                |
| MW-11 | 08/16/18      | 3860.00                     | 63.47               | 65.04             | 1.57             | 3796.29                                |
| MW-11 | 08/20/18      | 3860.00                     | 63.37               | 65.97             | 2.60             | 3796.24                                |
| MW-11 | 08/23/18      | 3860.00                     | 63.49               | 65.10             | 1.61             | 3796.27                                |
| MW-11 | 08/27/18      | 3860.00                     | 63.46               | 65.37             | 1.91             | 3796.25                                |
| MW-11 | 08/30/18      | 3860.00                     | 63.47               | 65.28             | 1.81             | 3796.26                                |
| MW-11 | 09/06/18      | 3860.00                     | 63.40               | 65.83             | 2.43             | 3796.24                                |
| MW-11 | 09/11/18      | 3860.00                     | 63.48               | 65.49             | 2.01             | 3796.22                                |
| MW-11 | 09/13/18      | 3860.00                     | 63.60               | 64.70             | 1.10             | 3796.24                                |
| MW-11 | 09/18/18      | 3860.00                     | 63.49               | 65.50             | 2.01             | 3796.21                                |
| MW-11 | 09/20/18      | 3860.00                     | 63.61               | 64.71             | 1.10             | 3796.23                                |
| MW-11 | 10/04/18      | 3860.00                     | 63.34               | 66.40             | 3.06             | 3796.20                                |
| MW-11 | 10/11/18      | 3860.00                     | 63.45               | 66.01             | 2.56             | 3796.17                                |
| MW-11 | 10/15/18      | 3860.00                     | 63.52               | 65.55             | 2.03             | 3796.18                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 10/23/18      | 3860.00                     | 63.40               | 66.22             | 2.82             | 3796.18                                |
| MW-11 | 10/30/18      | 3860.00                     | 63.43               | 66.28             | 2.85             | 3796.14                                |
| MW-11 | 11/05/18      | 3860.00                     | 63.55               | 65.63             | 2.08             | 3796.14                                |
| MW-11 | 11/08/18      | 3860.00                     | 63.64               | 65.18             | 1.54             | 3796.13                                |
| MW-11 | 11/12/18      | 3860.00                     | 63.63               | 65.39             | 1.76             | 3796.11                                |
| MW-11 | 11/16/18      | 3860.00                     | 63.58               | 65.55             | 1.97             | 3796.12                                |
| MW-11 | 11/20/18      | 3860.00                     | 63.59               | 65.42             | 1.83             | 3796.14                                |
| MW-11 | 11/29/18      | 3860.00                     | 63.49               | 66.05             | 2.56             | 3796.13                                |
| MW-11 | 12/06/18      | 3860.00                     | 63.41               | 66.86             | 3.45             | 3796.07                                |
| MW-11 | 12/11/18      | 3860.00                     | 63.58               | 65.55             | 1.97             | 3796.12                                |
| MW-11 | 12/18/18      | 3860.00                     | 63.59               | 66.01             | 2.42             | 3796.05                                |
| MW-11 | 12/21/18      | 3860.00                     | 63.50               | 66.38             | 2.88             | 3796.07                                |
| MW-11 | 12/27/18      | 3860.00                     | 63.50               | 66.38             | 2.88             | 3796.07                                |
| MW-11 | 12/31/18      | 3860.00                     | 63.64               | 65.63             | 1.99             | 3796.06                                |
| MW-11 | 01/14/18      | 3860.00                     | 63.63               | 65.63             | 2.00             | 3796.07                                |
| MW-11 | 01/04/19      | 3860.00                     | 63.64               | 65.63             | 1.99             | 3796.06                                |
| MW-11 | 01/09/19      | 3860.00                     | 63.62               | 65.82             | 2.20             | 3796.05                                |
| MW-11 | 01/14/19      | 3860.00                     | 63.63               | 65.63             | 2.00             | 3796.07                                |
| MW-11 | 01/17/19      | 3860.00                     | 63.52               | 65.47             | 1.95             | 3796.19                                |
| MW-11 | 01/24/19      | 3860.00                     | 63.59               | 66.24             | 2.65             | 3796.01                                |
| MW-11 | 01/28/19      | 3860.00                     | 63.67               | 65.70             | 2.03             | 3796.03                                |
| MW-11 | 01/30/19      | 3860.00                     | 63.74               | 65.21             | 1.47             | 3796.04                                |
| MW-11 | 02/05/19      | 3860.00                     | 63.62               | 66.03             | 2.41             | 3796.02                                |
| MW-11 | 02/07/19      | 3860.00                     | 63.75               | 65.30             | 1.55             | 3796.02                                |
| MW-11 | 02/12/19      | 3860.00                     | 63.62               | 66.09             | 2.47             | 3796.01                                |
| MW-11 | 02/21/19      | 3860.00                     | 63.55               | 66.66             | 3.11             | 3795.98                                |
| MW-11 | 03/07/19      | 3860.00                     | 63.79               | 65.36             | 1.57             | 3795.97                                |
| MW-11 | 03/12/19      | 3860.00                     | 63.75               | 65.41             | 1.66             | 3796.00                                |
| MW-11 | 03/26/19      | 3860.00                     | 63.75               | 65.87             | 2.12             | 3795.93                                |
| MW-11 | 04/02/19      | 3860.00                     | 63.78               | 65.72             | 1.94             | 3795.93                                |
| MW-11 | 04/04/19      | 3860.00                     | 63.89               | 64.95             | 1.06             | 3795.95                                |
| MW-11 | 04/09/19      | 3860.00                     | 63.75               | 65.89             | 2.14             | 3795.93                                |
| MW-11 | 04/11/19      | 3860.00                     | 63.93               | 64.98             | 1.05             | 3795.91                                |
| MW-11 | 04/16/19      | 3860.00                     | 63.78               | 65.71             | 1.93             | 3795.93                                |
| MW-11 | 04/18/19      | 3860.00                     | 63.95               | 64.90             | 0.95             | 3795.91                                |
| MW-11 | 04/26/19      | 3860.00                     | 63.95               | 64.82             | 0.87             | 3795.92                                |
| MW-11 | 04/29/19      | 3860.00                     | 63.91               | 65.23             | 1.32             | 3795.89                                |
| MW-11 | 05/02/19      | 3860.00                     | 63.89               | 65.22             | 1.33             | 3795.91                                |
| MW-11 | 05/09/19      | 3860.00                     | 63.92               | 65.24             | 1.32             | 3795.88                                |
| MW-11 | 05/06/19      | 3860.00                     | 63.89               | 65.32             | 1.43             | 3795.90                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 05/16/19      | 3860.00                     | 63.79               | 65.96             | 2.17             | 3795.88                                |
| MW-11 | 05/21/19      | 3860.00                     | 63.80               | 65.91             | 2.11             | 3795.88                                |
| MW-11 | 05/23/19      | 3860.00                     | 63.96               | 65.02             | 1.06             | 3795.88                                |
| MW-11 | 05/29/19      | 3860.00                     | 63.73               | 66.03             | 2.30             | 3795.93                                |
| MW-11 | 06/03/19      | 3860.00                     | 63.91               | 65.38             | 1.47             | 3795.87                                |
| MW-11 | 06/11/19      | 3860.00                     | 63.76               | 66.28             | 2.52             | 3795.86                                |
| MW-11 | 06/13/19      | 3860.00                     | 63.92               | 65.35             | 1.43             | 3795.87                                |
| MW-11 | 06/17/19      | 3860.00                     | 63.92               | 65.51             | 1.59             | 3795.84                                |
| MW-11 | 06/20/19      | 3860.00                     | 63.96               | 65.20             | 1.24             | 3795.85                                |
| MW-11 | 06/25/19      | 3860.00                     | 63.92               | 65.62             | 1.70             | 3795.83                                |
| MW-11 | 07/02/19      | 3860.00                     | 63.96               | 65.61             | 1.65             | 3795.79                                |
| MW-11 | 07/11/19      | 3860.00                     | 63.82               | 66.36             | 2.54             | 3795.80                                |
| MW-11 | 07/16/19      | 3860.00                     | 63.94               | 65.78             | 1.84             | 3795.78                                |
| MW-11 | 07/18/19      | 3860.00                     | 64.09               | 65.10             | 1.01             | 3795.76                                |
| MW-11 | 07/22/19      | 3860.00                     | 64.03               | 65.32             | 1.29             | 3795.78                                |
| MW-11 | 07/29/19      | 3860.00                     | 63.92               | 66.02             | 2.10             | 3795.77                                |
| MW-11 | 08/01/19      | 3860.00                     | 64.02               | 65.44             | 1.42             | 3795.77                                |
| MW-11 | 08/06/19      | 3860.00                     | 63.99               | 65.66             | 1.67             | 3795.76                                |
| MW-11 | 08/13/19      | 3860.00                     | 63.96               | 65.96             | 2.00             | 3795.74                                |
| MW-11 | 08/19/19      | 3860.00                     | 63.93               | 66.08             | 2.15             | 3795.75                                |
| MW-11 | 08/28/19      | 3860.00                     | 63.86               | 66.60             | 2.74             | 3795.73                                |
| MW-11 | 09/05/19      | 3860.00                     | 63.78               | 67.30             | 3.52             | 3795.69                                |
| MW-11 | 09/09/19      | 3860.00                     | 63.99               | 66.15             | 2.16             | 3795.69                                |
| MW-11 | 09/11/19      | 3860.00                     | 64.13               | 65.55             | 1.42             | 3795.66                                |
| MW-11 | 09/17/19      | 3860.00                     | 64.05               | 65.89             | 1.84             | 3795.67                                |
| MW-11 | 09/26/19      | 3860.00                     | 63.98               | 66.42             | 2.44             | 3795.65                                |
| MW-11 | 10/03/19      | 3860.00                     | 64.03               | 66.26             | 2.23             | 3795.64                                |
| MW-11 | 10/07/19      | 3860.00                     | 64.13               | 65.49             | 1.36             | 3795.67                                |
| MW-11 | 10/10/19      | 3860.00                     | 64.14               | 65.58             | 1.44             | 3795.64                                |
| MW-11 | 10/15/19      | 3860.00                     | 64.12               | 65.91             | 1.79             | 3795.61                                |
| MW-11 | 10/17/19      | 3860.00                     | 64.28               | 65.07             | 0.79             | 3795.60                                |
| MW-11 | 10/22/19      | 3860.00                     | 64.14               | 65.76             | 1.62             | 3795.62                                |
| MW-11 | 10/24/19      | 3860.00                     | 64.32               | 65.12             | 0.80             | 3795.56                                |
| MW-11 | 10/29/19      | 3860.00                     | 64.10               | 66.20             | 2.10             | 3795.59                                |
| MW-11 | 11/06/19      | 3860.00                     | 63.97               | 66.94             | 2.97             | 3795.58                                |
| MW-11 | 11/11/19      | 3860.00                     | 64.15               | 66.33             | 2.18             | 3795.52                                |
| MW-11 | 11/21/19      | 3860.00                     | 64.08               | 66.62             | 2.54             | 3795.54                                |
| MW-11 | 12/05/19      | 3860.00                     | 64.05               | 66.86             | 2.81             | 3795.53                                |
| MW-11 | 12/12/19      | 3860.00                     | 64.19               | 66.12             | 1.93             | 3795.52                                |
| MW-11 | 01/07/20      | 3860.00                     | 64.38               | 65.63             | 1.25             | 3795.43                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11 | 01/03/20      | 3860.00                     | 64.16               | 66.76             | 2.60             | 3795.45                                |
| MW-11 | 01/16/20      | 3860.00                     | 64.29               | 66.21             | 1.92             | 3795.42                                |
| MW-11 | 01/30/20      | 3860.00                     | 64.22               | 66.83             | 2.61             | 3795.39                                |
| MW-11 | 02/07/20      | 3860.00                     | 64.33               | 66.14             | 1.81             | 3795.40                                |
| MW-11 | 02/20/20      | 3860.00                     | 64.32               | 66.62             | 2.30             | 3795.34                                |
| MW-11 | 02/28/20      | 3860.00                     | 64.34               | 66.27             | 1.93             | 3795.37                                |
| MW-11 | 03/11/20      | 3860.00                     | 64.34               | 66.45             | 2.11             | 3795.34                                |
| MW-11 | 03/18/20      | 3860.00                     | 64.38               | 66.06             | 1.68             | 3795.37                                |
| MW-11 | 05/13/20      | 3860.00                     | 64.22               | 68.10             | 3.88             | 3795.20                                |
| MW-11 | 05/19/20      | 3860.00                     | 64.23               | 68.22             | 3.99             | 3795.17                                |
| MW-11 | 06/10/20      | 3860.00                     | 64.45               | 66.79             | 2.34             | 3795.20                                |
| MW-11 | 07/16/20      | 3860.00                     | 64.44               | 67.32             | 2.88             | 3795.13                                |
| MW-11 | 08/07/20      | 3860.00                     | 64.41               | 68.00             | 3.59             | 3795.05                                |
| MW-11 | 08/21/20      | 3860.00                     | 64.63               | 66.59             | 1.96             | 3795.08                                |
| MW-11 | 08/26/20      | 3860.00                     | 64.74               | 65.84             | 1.10             | 3795.10                                |
| MW-11 | 09/03/20      | 3860.00                     | 64.71               | 66.37             | 1.66             | 3795.04                                |
| MW-11 | 10/08/20      | 3860.00                     | 64.54               | 67.51             | 2.97             | 3795.01                                |
| MW-11 | 10/20/20      | 3860.00                     | 64.82               | 65.92             | 1.10             | 3795.02                                |
| MW-11 | 11/19/20      | 3860.00                     | 64.71               | 66.76             | 2.05             | 3794.98                                |
| MW-11 | 12/18/20      | 3860.00                     | 64.77               | 66.75             | 1.98             | 3794.93                                |
| MW-11 | 12/29/20      | 3860.00                     | 64.72               | 67.15             | 2.43             | 3794.92                                |
| MW-11 | 01/20/21      | 3860.00                     | 64.85               | 66.59             | 1.74             | 3794.89                                |
| MW-11 | 01/28/21      | 3860.00                     | 64.86               | 65.88             | 1.02             | 3794.99                                |
| MW-11 | 02/02/21      | 3860.00                     | 64.95               | 66.14             | 1.19             | 3794.87                                |
| MW-11 | 02/24/21      | 3860.00                     | 64.95               | 66.52             | 1.57             | 3794.81                                |
| MW-11 | 03/02/21      | 3860.00                     | 65.09               | 65.80             | 0.71             | 3794.80                                |
| MW-11 | 03/11/21      | 3860.00                     | 65.08               | 66.02             | 0.94             | 3794.78                                |
| MW-11 | 03/24/21      | 3860.00                     | 65.05               | 66.25             | 1.20             | 3794.77                                |
| MW-11 | 05/07/21      | 3860.00                     | 64.90               | 67.76             | 2.86             | 3794.67                                |
| MW-11 | 05/28/21      | 3860.00                     | 65.12               | 66.45             | 1.33             | 3794.68                                |
| MW-11 | 06/23/21      | 3860.00                     | 65.24               | 66.08             | 0.84             | 3794.63                                |
| MW-11 | 07/07/21      | 3860.00                     | 65.24               | 66.64             | 1.40             | 3794.55                                |
| MW-11 | 07/23/21      | 3860.00                     | 65.27               | 66.32             | 1.05             | 3794.57                                |
| MW-11 | 07/29/21      | 3860.00                     | 65.24               | 66.51             | 1.27             | 3794.57                                |
| MW-11 | 08/05/21      | 3860.00                     | 65.35               | 66.26             | 0.91             | 3794.51                                |
| MW-11 | 08/20/21      | 3860.00                     | 65.34               | 66.39             | 1.05             | 3794.50                                |
| MW-11 | 09/10/21      | 3860.00                     | 65.31               | 66.81             | 1.50             | 3794.47                                |
| MW-11 | 09/17/21      | 3860.00                     | 65.29               | 67.06             | 1.77             | 3794.44                                |
| MW-11 | 10/07/21      | 3860.00                     | 65.39               | 66.87             | 1.48             | 3794.39                                |
| MW-11 | 10/22/21      | 3860.00                     | 65.45               | 66.55             | 1.10             | 3794.39                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-11   | 10/26/21      | 3860.00                     | 65.49               | 66.15             | 0.66             | 3794.41                                |
| MW-11   | 11/23/21      | 3860.00                     | 65.45               | 67.00             | 1.55             | 3794.32                                |
| MW-11   | 12/15/21      | 3860.00                     | 65.48               | 66.60             | 1.12             | 3794.35                                |
| MW-11   | 01/06/22      | 3860.00                     | 65.68               | 66.08             | 0.40             | 3794.26                                |
| MW-11   | 02/10/22      | 3860.00                     | 65.57               | 66.72             | 1.15             | 3794.26                                |
| MW-11   | 02/18/22      | 3860.00                     | 65.53               | 66.85             | 1.32             | 3794.27                                |
| MW-11   | 03/10/22      | 3860.00                     | 65.61               | 66.60             | 0.99             | 3794.24                                |
| MW-11   | 04/07/22      | 3860.00                     | 65.64               | 66.75             | 1.11             | 3794.19                                |
| MW-11   | 05/03/22      | 3860.00                     | 65.70               | 66.60             | 0.90             | 3794.17                                |
| MW-11   | 06/15/22      | 3860.00                     | 65.74               | 67.13             | 1.39             | 3794.05                                |
| MW-11   | 07/27/22      | 3860.00                     | 65.92               | 66.40             | 0.48             | 3794.01                                |
| MW-11   | 08/03/22      | 3860.00                     | -                   | 66.68             | 0.00             | 3793.32                                |
| MW-11   | 09/30/22      | 3860.00                     | 65.89               | 67.38             | 1.49             | 3793.89                                |
| MW-11   | 10/11/22      | 3860.00                     | 65.97               | 66.55             | 0.58             | 3793.94                                |
| MW-11   | 10/27/22      | 3860.00                     | 66.00               | 66.77             | 0.77             | 3793.88                                |
| MW-11   | 11/07/22      | 3860.00                     | 66.04               | 66.53             | 0.49             | 3793.89                                |
| MW-11   | 11/23/22      | 3860.00                     | 66.05               | 66.72             | 0.67             | 3793.85                                |
| MW-11   | 12/23/22      | 3860.00                     | 66.07               | 67.00             | 0.93             | 3793.79                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 12 | 03/24/00      | 3863.10                     | -                   | 58.55             | 0.00             | 3804.55                                |
| MW - 12 | 06/14/00      | 3863.10                     | -                   | 59.05             | 0.00             | 3804.05                                |
| MW - 12 | 09/22/00      | 3863.10                     | -                   | 57.80             | 0.00             | 3805.30                                |
| MW - 12 | 12/28/00      | 3863.10                     | -                   | 58.18             | 0.00             | 3804.92                                |
| MW - 12 | 03/14/01      | 3863.10                     | -                   | 58.28             | 0.00             | 3804.82                                |
| MW - 12 | 06/06/01      | 3863.10                     | -                   | 58.47             | 0.00             | 3804.63                                |
| MW - 12 | 09/28/01      | 3863.10                     | -                   | 58.53             | 0.00             | 3804.57                                |
| MW - 12 | 11/17/01      | 3863.10                     | -                   | 58.84             | 0.00             | 3804.26                                |
| MW - 12 | 03/26/02      | 3863.10                     | -                   | 59.04             | 0.00             | 3804.06                                |
| MW - 12 | 06/26/02      | 3863.10                     | -                   | 59.12             | 0.00             | 3803.98                                |
| MW - 12 | 09/25/02      | 3863.10                     | -                   | 59.29             | 0.00             | 3803.81                                |
| MW - 12 | 12/09/02      | 3863.10                     | -                   | 59.30             | 0.00             | 3803.80                                |
| MW - 12 | 03/10/03      | 3863.10                     | -                   | 59.35             | 0.00             | 3803.75                                |
| MW - 12 | 06/09/03      | 3863.10                     | -                   | 59.41             | 0.00             | 3803.69                                |
| MW - 12 | 09/03/03      | 3863.10                     | -                   | 59.53             | 0.00             | 3803.57                                |
| MW - 12 | 12/08/03      | 3863.10                     | -                   | 59.67             | 0.00             | 3803.43                                |
| MW - 12 | 03/01/04      | 3863.10                     | -                   | 59.82             | 0.00             | 3803.28                                |
| MW - 12 | 05/19/04      | 3863.10                     | -                   | 59.45             | 0.00             | 3803.65                                |
| MW - 12 | 08/26/04      | 3863.10                     | -                   | 59.84             | 0.00             | 3803.26                                |
| MW - 12 | 12/09/04      | 3863.10                     | -                   | 57.85             | 0.00             | 3805.25                                |
| MW - 12 | 03/17/05      | 3863.10                     | -                   | 58.32             | 0.00             | 3804.78                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 12 | 06/15/05      | 3863.10                     | -                   | 58.71             | 0.00             | 3804.39                                |
| MW - 12 | 09/14/05      | 3863.10                     | -                   | 59.04             | 0.00             | 3804.06                                |
| MW - 12 | 12/13/05      | 3863.10                     | -                   | 59.36             | 0.00             | 3803.74                                |
| MW - 12 | 03/15/06      | 3863.10                     | -                   | 59.53             | 0.00             | 3803.57                                |
| MW - 12 | 06/14/06      | 3863.10                     | -                   | 59.86             | 0.00             | 3803.24                                |
| MW - 12 | 09/13/06      | 3863.10                     | -                   | 59.96             | 0.00             | 3803.14                                |
| MW - 12 | 12/06/06      | 3863.10                     | -                   | 60.08             | 0.00             | 3803.02                                |
| MW - 12 | 03/01/07      | 3863.10                     | -                   | 60.16             | 0.00             | 3802.94                                |
| MW - 12 | 05/24/07      | 3863.10                     | -                   | 60.27             | 0.00             | 3802.83                                |
| MW - 12 | 08/23/07      | 3863.10                     | -                   | 60.34             | 0.00             | 3802.76                                |
| MW - 12 | 11/08/07      | 3863.10                     | -                   | 60.39             | 0.00             | 3802.71                                |
| MW - 12 | 03/04/08      | 3863.10                     | -                   | 60.52             | 0.00             | 3802.58                                |
| MW - 12 | 06/11/08      | 3863.10                     | -                   | 60.60             | 0.00             | 3802.50                                |
| MW - 12 | 09/09/08      | 3863.10                     | -                   | 60.70             | 0.00             | 3802.40                                |
| MW - 12 | 12/11/08      | 3863.10                     | -                   | 60.87             | 0.00             | 3802.23                                |
| MW - 12 | 02/26/09      | 3863.10                     | -                   | 60.93             | 0.00             | 3802.17                                |
| MW - 12 | 05/21/09      | 3863.10                     | -                   | 61.04             | 0.00             | 3802.06                                |
| MW - 12 | 08/18/09      | 3863.10                     | -                   | 60.91             | 0.00             | 3802.19                                |
| MW - 12 | 12/09/09      | 3863.10                     | -                   | 61.09             | 0.00             | 3802.01                                |
| MW - 12 | 01/06/10      | 3863.10                     | -                   | 69.07             | 0.00             | 3794.03                                |
| MW - 12 | 02/22/10      | 3863.10                     | -                   | 61.15             | 0.00             | 3801.95                                |
| MW - 12 | 06/04/10      | 3863.10                     | -                   | 61.27             | 0.00             | 3801.83                                |
| MW - 12 | 08/26/10      | 3863.10                     | -                   | 61.25             | 0.00             | 3801.85                                |
| MW - 12 | 11/30/10      | 3863.10                     | -                   | 61.10             | 0.00             | 3802.00                                |
| MW - 12 | 03/08/11      | 3863.10                     | -                   | 61.11             | 0.00             | 3801.99                                |
| MW - 12 | 05/25/11      | 3863.10                     | -                   | 61.11             | 0.00             | 3801.99                                |
| MW - 12 | 08/18/11      | 3863.10                     | -                   | 61.48             | 0.00             | 3801.62                                |
| MW - 12 | 11/15/11      | 3863.10                     | -                   | 61.52             | 0.00             | 3801.58                                |
| MW - 12 | 02/29/12      | 3863.10                     | -                   | 61.66             | 0.00             | 3801.44                                |
| MW - 12 | 05/01/12      | 3863.10                     | -                   | 61.73             | 0.00             | 3801.37                                |
| MW - 12 | 08/10/12      | 3863.10                     | -                   | 62.08             | 0.00             | 3801.02                                |
| MW - 12 | 11/27/12      | 3863.10                     | -                   | 62.02             | 0.00             | 3801.08                                |
| MW - 12 | 02/21/13      | 3863.10                     | -                   | 61.12             | 0.00             | 3801.98                                |
| MW - 12 | 05/15/13      | 3863.10                     | -                   | 62.19             | 0.00             | 3800.91                                |
| MW - 12 | 08/21/13      | 3863.10                     | -                   | 62.29             | 0.00             | 3800.81                                |
| MW - 12 | 11/11/13      | 3863.10                     | -                   | 62.38             | 0.00             | 3800.72                                |
| MW - 12 | 02/20/14      | 3863.10                     | -                   | 62.45             | 0.00             | 3800.65                                |
| MW - 12 | 05/20/14      | 3863.10                     | -                   | 62.56             | 0.00             | 3800.54                                |
| MW - 12 | 07/29/14      | 3863.10                     | -                   | 62.61             | 0.00             | 3800.49                                |
| MW - 12 | 08/19/14      | 3863.10                     | -                   | 61.62             | 0.00             | 3801.48                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 12 | 10/30/14      | 3863.10                     | -                   | 62.43             | 0.00             | 3800.67                                |
| MW - 12 | 11/24/14      | 3863.10                     | -                   | 62.50             | 0.00             | 3800.60                                |
| MW - 12 | 02/11/15      | 3863.10                     | -                   | 62.64             | 0.00             | 3800.46                                |
| MW - 12 | 03/11/15      | 3863.10                     | -                   | 62.70             | 0.00             | 3800.40                                |
| MW - 12 | 04/17/15      | 3863.10                     | -                   | 60.89             | 0.00             | 3802.21                                |
| MW - 12 | 05/19/15      | 3863.10                     | -                   | 62.75             | 0.00             | 3800.35                                |
| MW - 12 | 07/31/15      | 3863.10                     | -                   | 62.88             | 0.00             | 3800.22                                |
| MW - 12 | 08/12/15      | 3863.10                     | -                   | 62.87             | 0.00             | 3800.23                                |
| MW - 12 | 09/11/15      | 3863.10                     | -                   | 62.94             | 0.00             | 3800.16                                |
| MW - 12 | 11/11/15      | 3863.10                     | -                   | 62.96             | 0.00             | 3800.14                                |
| MW - 12 | 02/02/16      | 3863.10                     | -                   | 63.03             | 0.00             | 3800.07                                |
| MW - 12 | 04/28/16      | 3863.10                     | -                   | 63.12             | 0.00             | 3799.98                                |
| MW - 12 | 05/10/16      | 3863.10                     | -                   | 63.14             | 0.00             | 3799.96                                |
| MW - 12 | 07/01/16      | 3863.10                     | -                   | 63.22             | 0.00             | 3799.88                                |
| MW - 12 | 07/29/16      | 3863.10                     | -                   | 63.26             | 0.00             | 3799.84                                |
| MW - 12 | 08/09/16      | 3863.10                     | -                   | 63.26             | 0.00             | 3799.84                                |
| MW - 12 | 09/15/16      | 3863.10                     | -                   | 63.29             | 0.00             | 3799.81                                |
| MW - 12 | 11/15/16      | 3863.10                     | -                   | 63.38             | 0.00             | 3799.72                                |
| MW - 12 | 12/14/16      | 3863.10                     | -                   | 63.46             | 0.00             | 3799.64                                |
| MW - 12 | 02/22/17      | 3863.10                     | -                   | 63.51             | 0.00             | 3799.59                                |
| MW - 12 | 05/16/17      | 3863.10                     | -                   | 63.65             | 0.00             | 3799.45                                |
| MW - 12 | 06/09/17      | 3863.10                     | -                   | 63.69             | 0.00             | 3799.41                                |
| MW - 12 | 07/26/17      | 3863.10                     | -                   | 63.66             | 0.00             | 3799.44                                |
| MW - 12 | 08/22/17      | 3863.10                     | -                   | 63.81             | 0.00             | 3799.29                                |
| MW - 12 | 10/10/17      | 3863.10                     | -                   | 63.94             | 0.00             | 3799.16                                |
| MW - 12 | 11/28/17      | 3863.10                     | -                   | 63.93             | 0.00             | 3799.17                                |
| MW - 12 | 01/08/18      | 3863.10                     | -                   | 64.04             | 0.00             | 3799.06                                |
| MW - 12 | 02/13/18      | 3863.10                     | -                   | 64.06             | 0.00             | 3799.04                                |
| MW - 12 | 04/30/18      | 3863.10                     | -                   | 64.23             | 0.00             | 3798.87                                |
| MW - 12 | 05/16/18      | 3863.10                     | -                   | 64.22             | 0.00             | 3798.88                                |
| MW - 12 | 07/05/18      | 3863.10                     | -                   | 64.33             | 0.00             | 3798.77                                |
| MW - 12 | 07/26/18      | 3863.10                     | -                   | 64.39             | 0.00             | 3798.71                                |
| MW - 12 | 08/15/18      | 3863.10                     | -                   | 64.35             | 0.00             | 3798.75                                |
| MW-12   | 11/28/18      | 3863.10                     | -                   | 64.50             | 0.00             | 3798.60                                |
| MW-12   | 12/27/18      | 3863.10                     | -                   | 64.53             | 0.00             | 3798.57                                |
| MW-12   | 01/17/19      | 3863.10                     | -                   | 64.57             | 0.00             | 3798.53                                |
| MW-12   | 02/20/19      | 3863.10                     | -                   | 64.62             | 0.00             | 3798.48                                |
| MW-12   | 04/04/19      | 3863.10                     | -                   | 64.67             | 0.00             | 3798.43                                |
| MW-12   | 05/29/19      | 3863.10                     | -                   | 64.74             | 0.00             | 3798.36                                |
| MW-12   | 08/27/19      | 3863.10                     | -                   | 64.87             | 0.00             | 3798.23                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-12   | 10/30/19      | 3863.10                     | -                   | 65.05             | 0.00             | 3798.05                                |
| MW-12   | 03/17/20      | 3863.10                     | -                   | 65.28             | 0.00             | 3797.82                                |
| MW-12   | 05/13/20      | 3863.10                     | -                   | 65.37             | 0.00             | 3797.73                                |
| MW-12   | 06/09/20      | 3863.10                     | -                   | 65.45             | 0.00             | 3797.65                                |
| MW-12   | 07/16/20      | 3863.10                     | -                   | 65.47             | 0.00             | 3797.63                                |
| MW-12   | 08/25/20      | 3863.10                     | -                   | 65.54             | 0.00             | 3797.56                                |
| MW-12   | 12/16/20      | 3863.10                     | -                   | 65.71             | 0.00             | 3797.39                                |
| MW-12   | 01/28/21      | 3863.10                     | -                   | 65.75             | 0.00             | 3797.35                                |
| MW-12   | 03/22/21      | 3863.10                     | -                   | 65.85             | 0.00             | 3797.25                                |
| MW-12   | 06/22/21      | 3863.10                     | -                   | 65.99             | 0.00             | 3797.11                                |
| MW-12   | 07/22/21      | 3863.10                     | -                   | 66.00             | 0.00             | 3797.10                                |
| MW-12   | 09/09/21      | 3863.10                     | -                   | 66.05             | 0.00             | 3797.05                                |
| MW-12   | 10/26/21      | 3863.10                     | -                   | 66.09             | 0.00             | 3797.01                                |
| MW-12   | 12/14/21      | 3863.10                     | -                   | 66.18             | 0.00             | 3796.92                                |
| MW-12   | 02/09/22      | 3863.10                     | -                   | 66.21             | 0.00             | 3796.89                                |
| MW-12   | 05/02/22      | 3863.10                     | -                   | 66.32             | 0.00             | 3796.78                                |
| MW-12   | 08/02/22      | 3863.10                     | -                   | 66.45             | 0.00             | 3796.65                                |
| MW-12   | 10/26/22      | 3863.10                     | -                   | 66.56             | 0.00             | 3796.54                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 13 | 03/24/01      | 3862.44                     | -                   | 56.92             | 0.00             | 3805.52                                |
| MW - 13 | 06/14/01      | 3862.44                     | -                   | 57.42             | 0.00             | 3805.02                                |
| MW - 13 | 09/22/00      | 3862.44                     | -                   | 56.24             | 0.00             | 3806.20                                |
| MW - 13 | 12/28/00      | 3862.44                     | -                   | 56.58             | 0.00             | 3805.86                                |
| MW - 13 | 03/14/01      | 3862.44                     | -                   | 56.72             | 0.00             | 3805.72                                |
| MW - 13 | 06//06/01     | 3862.44                     | -                   | 56.88             | 0.00             | 3805.56                                |
| MW - 13 | 09/28/01      | 3862.44                     | -                   | 56.98             | 0.00             | 3805.46                                |
| MW - 13 | 03/26/02      | 3862.44                     | -                   | 57.52             | 0.00             | 3804.92                                |
| MW - 13 | 06/26/02      | 3862.44                     | -                   | 57.48             | 0.00             | 3804.96                                |
| MW - 13 | 09/25/02      | 3862.44                     | -                   | 57.62             | 0.00             | 3804.82                                |
| MW - 13 | 12/09/02      | 3862.44                     | -                   | 57.65             | 0.00             | 3804.79                                |
| MW - 13 | 03/10/03      | 3862.44                     | -                   | 57.66             | 0.00             | 3804.78                                |
| MW - 13 | 06/09/03      | 3862.44                     | -                   | 57.70             | 0.00             | 3804.74                                |
| MW - 13 | 09/03/03      | 3862.44                     | -                   | 57.94             | 0.00             | 3804.50                                |
| MW - 13 | 12/08/03      | 3862.44                     | -                   | 58.00             | 0.00             | 3804.44                                |
| MW - 13 | 03/01/04      | 3862.44                     | -                   | 58.17             | 0.00             | 3804.27                                |
| MW - 13 | 05/19/04      | 3862.44                     | -                   | 57.96             | 0.00             | 3804.48                                |
| MW - 13 | 08/26/04      | 3862.44                     | -                   | 58.23             | 0.00             | 3804.21                                |
| MW - 13 | 12/09/04      | 3862.44                     | -                   | 56.59             | 0.00             | 3805.85                                |
| MW - 13 | 03/17/05      | 3862.44                     | -                   | 56.70             | 0.00             | 3805.74                                |
| MW - 13 | 06/15/05      | 3862.44                     | -                   | 57.13             | 0.00             | 3805.31                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 13 | 09/14/05      | 3862.44                     | -                   | 57.44             | 0.00             | 3805.00                                |
| MW - 13 | 12/13/05      | 3862.44                     | -                   | 57.67             | 0.00             | 3804.77                                |
| MW - 13 | 03/15/06      | 3862.44                     | -                   | 57.94             | 0.00             | 3804.50                                |
| MW - 13 | 06/14/06      | 3862.44                     | -                   | 58.19             | 0.00             | 3804.25                                |
| MW - 13 | 09/13/06      | 3862.44                     | -                   | 58.32             | 0.00             | 3804.12                                |
| MW - 13 | 12/05/06      | 3862.44                     | -                   | 59.38             | 0.00             | 3803.06                                |
| MW - 13 | 03/01/07      | 3862.44                     | -                   | 58.56             | 0.00             | 3803.88                                |
| MW - 13 | 05/24/07      | 3862.44                     | -                   | 58.63             | 0.00             | 3803.81                                |
| MW - 13 | 08/23/07      | 3862.44                     | -                   | 58.69             | 0.00             | 3803.75                                |
| MW - 13 | 11/08/07      | 3862.44                     | -                   | 58.34             | 0.00             | 3804.10                                |
| MW - 13 | 03/04/08      | 3862.44                     | -                   | 58.84             | 0.00             | 3803.60                                |
| MW - 13 | 06/11/08      | 3862.44                     | -                   | 59.80             | 0.00             | 3802.64                                |
| MW - 13 | 09/09/08      | 3862.44                     | -                   | 59.07             | 0.00             | 3803.37                                |
| MW - 13 | 12/11/08      | 3862.44                     | -                   | 59.19             | 0.00             | 3803.25                                |
| MW - 13 | 02/27/09      | 3862.44                     | -                   | 59.29             | 0.00             | 3803.15                                |
| MW - 13 | 05/21/09      | 3862.44                     | -                   | 59.46             | 0.00             | 3802.98                                |
| MW - 13 | 08/18/09      | 3862.44                     | -                   | 59.34             | 0.00             | 3803.10                                |
| MW - 13 | 12/09/09      | 3862.44                     | -                   | 59.44             | 0.00             | 3803.00                                |
| MW - 13 | 01/06/10      | 3862.44                     | -                   | 59.46             | 0.00             | 3802.98                                |
| MW - 13 | 02/22/10      | 3862.44                     | -                   | 59.51             | 0.00             | 3802.93                                |
| MW - 13 | 06/04/10      | 3862.44                     | -                   | 59.67             | 0.00             | 3802.77                                |
| MW - 13 | 08/26/10      | 3862.44                     | -                   | 59.69             | 0.00             | 3802.75                                |
| MW - 13 | 11/30/10      | 3862.44                     | -                   | 59.43             | 0.00             | 3803.01                                |
| MW - 13 | 03/08/11      | 3862.44                     | -                   | 59.43             | 0.00             | 3803.01                                |
| MW - 13 | 05/25/11      | 3862.44                     | -                   | 59.43             | 0.00             | 3803.01                                |
| MW - 13 | 08/18/11      | 3862.44                     | -                   | 59.74             | 0.00             | 3802.70                                |
| MW - 13 | 11/15/11      | 3862.44                     | -                   | 59.90             | 0.00             | 3802.54                                |
| MW - 13 | 02/29/12      | 3862.44                     | -                   | 60.12             | 0.00             | 3802.32                                |
| MW - 13 | 05/01/12      | 3862.44                     | -                   | 60.13             | 0.00             | 3802.31                                |
| MW - 13 | 08/10/12      | 3862.44                     | -                   | 60.48             | 0.00             | 3801.96                                |
| MW - 13 | 11/27/12      | 3862.44                     | -                   | 60.45             | 0.00             | 3801.99                                |
| MW - 13 | 02/21/13      | 3862.44                     | -                   | 60.54             | 0.00             | 3801.90                                |
| MW - 13 | 05/15/13      | 3862.44                     | -                   | 60.61             | 0.00             | 3801.83                                |
| MW - 13 | 08/20/13      | 3862.44                     | -                   | 60.73             | 0.00             | 3801.71                                |
| MW - 13 | 11/11/13      | 3862.44                     | -                   | 60.80             | 0.00             | 3801.64                                |
| MW - 13 | 02/19/14      | 3862.44                     | -                   | 60.89             | 0.00             | 3801.55                                |
| MW - 13 | 05/20/14      | 3862.44                     | -                   | 60.98             | 0.00             | 3801.46                                |
| MW - 13 | 07/29/14      | 3862.44                     | -                   | 61.03             | 0.00             | 3801.41                                |
| MW - 13 | 08/19/14      | 3862.44                     | -                   | 61.03             | 0.00             | 3801.41                                |
| MW - 13 | 10/30/14      | 3862.44                     | -                   | 60.98             | 0.00             | 3801.46                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 13 | 11/24/14      | 3862.44                     | -                   | 61.01             | 0.00             | 3801.43                                |
| MW - 13 | 02/10/15      | 3862.44                     | -                   | 61.11             | 0.00             | 3801.33                                |
| MW - 13 | 03/11/15      | 3862.44                     | -                   | 61.17             | 0.00             | 3801.27                                |
| MW - 13 | 04/17/15      | 3862.44                     | -                   | 61.04             | 0.00             | 3801.40                                |
| MW - 13 | 05/19/15      | 3862.44                     | -                   | 61.19             | 0.00             | 3801.25                                |
| MW - 13 | 07/31/15      | 3862.44                     | -                   | 61.32             | 0.00             | 3801.12                                |
| MW - 13 | 08/12/15      | 3862.44                     | -                   | 61.29             | 0.00             | 3801.15                                |
| MW - 13 | 09/11/15      | 3862.44                     | -                   | 61.39             | 0.00             | 3801.05                                |
| MW - 13 | 11/10/15      | 3862.44                     | -                   | 61.38             | 0.00             | 3801.06                                |
| MW - 13 | 02/02/16      | 3862.44                     | -                   | 61.54             | 0.00             | 3800.90                                |
| MW - 13 | 04/28/16      | 3862.44                     | -                   | 61.55             | 0.00             | 3800.89                                |
| MW - 13 | 05/10/16      | 3862.44                     | -                   | 61.56             | 0.00             | 3800.88                                |
| MW - 13 | 07/01/16      | 3862.44                     | -                   | 61.64             | 0.00             | 3800.80                                |
| MW - 13 | 07/29/16      | 3862.44                     | -                   | 61.68             | 0.00             | 3800.76                                |
| MW - 13 | 08/08/16      | 3862.44                     | -                   | 61.69             | 0.00             | 3800.75                                |
| MW - 13 | 11/15/16      | 3862.44                     | -                   | 61.78             | 0.00             | 3800.66                                |
| MW - 13 | 12/14/16      | 3862.44                     | -                   | 61.86             | 0.00             | 3800.58                                |
| MW - 13 | 01/20/17      | 3862.44                     | -                   | 61.95             | 0.00             | 3800.49                                |
| MW - 13 | 02/21/17      | 3862.44                     | -                   | 61.93             | 0.00             | 3800.51                                |
| MW - 13 | 05/16/17      | 3862.44                     | -                   | 62.09             | 0.00             | 3800.35                                |
| MW - 13 | 06/09/17      | 3862.44                     | -                   | 62.12             | 0.00             | 3800.32                                |
| MW - 13 | 07/26/17      | 3862.44                     | -                   | 62.11             | 0.00             | 3800.33                                |
| MW - 13 | 08/22/17      | 3862.44                     | -                   | 62.22             | 0.00             | 3800.22                                |
| MW - 13 | 10/10/17      | 3862.44                     | -                   | 62.34             | 0.00             | 3800.10                                |
| MW - 13 | 11/27/17      | 3862.44                     | -                   | 62.32             | 0.00             | 3800.12                                |
| MW - 13 | 01/08/18      | 3862.44                     | -                   | 62.45             | 0.00             | 3799.99                                |
| MW - 13 | 02/13/18      | 3862.44                     | -                   | 62.46             | 0.00             | 3799.98                                |
| MW - 13 | 04/30/18      | 3862.44                     | -                   | 62.61             | 0.00             | 3799.83                                |
| MW - 13 | 05/16/18      | 3862.44                     | -                   | 62.61             | 0.00             | 3799.83                                |
| MW - 13 | 07/05/18      | 3862.44                     | -                   | 62.75             | 0.00             | 3799.69                                |
| MW - 13 | 07/26/18      | 3862.44                     | -                   | 62.79             | 0.00             | 3799.65                                |
| MW - 13 | 08/15/18      | 3862.44                     | -                   | 62.80             | 0.00             | 3799.64                                |
| MW - 13 | 11/27/18      | 3862.44                     | -                   | 62.89             | 0.00             | 3799.55                                |
| MW - 13 | 12/27/18      | 3862.44                     | -                   | 62.97             | 0.00             | 3799.47                                |
| MW - 13 | 01/17/19      | 3862.44                     | -                   | 63.00             | 0.00             | 3799.44                                |
| MW - 13 | 02/20/19      | 3862.44                     | -                   | 63.02             | 0.00             | 3799.42                                |
| MW - 13 | 04/04/19      | 3862.44                     | -                   | 63.08             | 0.00             | 3799.36                                |
| MW - 13 | 05/29/19      | 3862.44                     | -                   | 63.18             | 0.00             | 3799.26                                |
| MW - 13 | 08/27/19      | 3862.44                     | -                   | 63.30             | 0.00             | 3799.14                                |
| MW - 13 | 10/29/19      | 3862.44                     | -                   | 63.51             | 0.00             | 3798.93                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 13 | 03/17/20      | 3862.44                     | -                   | 63.72             | 0.00             | 3798.72                                |
| MW - 13 | 05/13/20      | 3862.44                     | -                   | 63.80             | 0.00             | 3798.64                                |
| MW - 13 | 06/09/20      | 3862.44                     | -                   | 63.88             | 0.00             | 3798.56                                |
| MW - 13 | 07/16/20      | 3862.44                     | -                   | 63.90             | 0.00             | 3798.54                                |
| MW - 13 | 08/25/20      | 3862.44                     | -                   | 63.96             | 0.00             | 3798.48                                |
| MW - 13 | 12/17/20      | 3862.44                     | -                   | 64.14             | 0.00             | 3798.30                                |
| MW - 13 | 01/28/21      | 3862.44                     | -                   | 64.17             | 0.00             | 3798.27                                |
| MW - 13 | 03/22/21      | 3862.44                     | -                   | 64.27             | 0.00             | 3798.17                                |
| MW - 13 | 06/21/21      | 3862.44                     | -                   | 64.44             | 0.00             | 3798.00                                |
| MW - 13 | 07/22/21      | 3862.44                     | -                   | 64.44             | 0.00             | 3798.00                                |
| MW - 13 | 09/09/21      | 3862.44                     | -                   | 64.48             | 0.00             | 3797.96                                |
| MW - 13 | 10/26/21      | 3862.44                     | -                   | 64.50             | 0.00             | 3797.94                                |
| MW - 13 | 12/15/21      | 3862.44                     | -                   | 64.58             | 0.00             | 3797.86                                |
| MW - 13 | 02/09/22      | 3862.44                     | -                   | 64.69             | 0.00             | 3797.75                                |
| MW - 13 | 05/02/22      | 3862.44                     | -                   | 64.77             | 0.00             | 3797.67                                |
| MW - 13 | 08/01/22      | 3862.44                     | -                   | 64.89             | 0.00             | 3797.55                                |
| MW - 13 | 10/26/22      | 3862.44                     | -                   | 64.99             | 0.00             | 3797.45                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 14 | 03/24/00      | 3862.95                     | -                   | 57.97             | 0.00             | 3804.98                                |
| MW - 14 | 06/14/00      | 3862.95                     | -                   | 58.40             | 0.00             | 3804.55                                |
| MW - 14 | 09/22/00      | 3862.95                     | -                   | 57.57             | 0.00             | 3805.38                                |
| MW - 14 | 12/28/00      | 3862.95                     | -                   | 57.72             | 0.00             | 3805.23                                |
| MW - 14 | 03/14/01      | 3862.95                     | -                   | 57.88             | 0.00             | 3805.07                                |
| MW - 14 | 06/06/01      | 3862.95                     | -                   | 58.02             | 0.00             | 3804.93                                |
| MW - 14 | 09/28/01      | 3862.95                     | -                   | 58.14             | 0.00             | 3804.81                                |
| MW - 14 | 11/17/01      | 3862.95                     | -                   | 58.58             | 0.00             | 3804.37                                |
| MW - 14 | 03/26/02      | 3862.95                     | -                   | 58.61             | 0.00             | 3804.34                                |
| MW - 14 | 06/26/02      | 3862.95                     | -                   | 58.52             | 0.00             | 3804.43                                |
| MW - 14 | 09/25/02      | 3862.95                     | -                   | 58.74             | 0.00             | 3804.21                                |
| MW - 14 | 12/09/02      | 3862.95                     | -                   | 58.75             | 0.00             | 3804.20                                |
| MW - 14 | 03/10/03      | 3862.95                     | -                   | 58.80             | 0.00             | 3804.15                                |
| MW - 14 | 06/09/03      | 3862.95                     | -                   | 58.93             | 0.00             | 3804.02                                |
| MW - 14 | 09/03/03      | 3862.95                     | -                   | 59.04             | 0.00             | 3803.91                                |
| MW - 14 | 12/08/03      | 3862.95                     | -                   | 59.15             | 0.00             | 3803.80                                |
| MW - 14 | 03/01/04      | 3862.95                     | -                   | 59.32             | 0.00             | 3803.63                                |
| MW - 14 | 05/19/04      | 3862.95                     | -                   | 59.23             | 0.00             | 3803.72                                |
| MW - 14 | 08/26/04      | 3862.95                     | -                   | 59.42             | 0.00             | 3803.53                                |
| MW - 14 | 12/09/04      | 3862.95                     | -                   | 58.06             | 0.00             | 3804.89                                |
| MW - 14 | 03/17/05      | 3862.95                     | -                   | 58.00             | 0.00             | 3804.95                                |
| MW - 14 | 06/15/05      | 3862.95                     | -                   | 58.27             | 0.00             | 3804.68                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 09/15/05      | 3862.95                     | -                   | 58.71             | 0.00             | 3804.24                                |
| MW - 14 | 12/13/05      | 3862.95                     | -                   | 58.96             | 0.00             | 3803.99                                |
| MW - 14 | 03/15/06      | 3862.95                     | -                   | 59.15             | 0.00             | 3803.80                                |
| MW - 14 | 06/14/06      | 3862.95                     | -                   | 59.34             | 0.00             | 3803.61                                |
| MW - 14 | 09/13/06      | 3862.95                     | -                   | 59.49             | 0.00             | 3803.46                                |
| MW - 14 | 12/06/06      | 3862.95                     | -                   | 59.62             | 0.00             | 3803.33                                |
| MW - 14 | 03/01/07      | 3862.95                     | -                   | 59.74             | 0.00             | 3803.21                                |
| MW - 14 | 05/24/07      | 3862.95                     | -                   | 59.80             | 0.00             | 3803.15                                |
| MW - 14 | 08/23/07      | 3862.95                     | -                   | 59.84             | 0.00             | 3803.11                                |
| MW - 14 | 11/08/07      | 3862.95                     | -                   | 59.90             | 0.00             | 3803.05                                |
| MW - 14 | 03/04/08      | 3862.95                     | -                   | 59.99             | 0.00             | 3802.96                                |
| MW - 14 | 06/11/08      | 3862.95                     | -                   | 60.13             | 0.00             | 3802.82                                |
| MW - 14 | 09/09/08      | 3862.95                     | -                   | 60.24             | 0.00             | 3802.71                                |
| MW - 14 | 12/11/08      | 3862.95                     | -                   | 60.39             | 0.00             | 3802.56                                |
| MW - 14 | 01/02/09      | 3862.95                     | -                   | 60.41             | 0.00             | 3802.54                                |
| MW - 14 | 01/08/09      | 3862.95                     | -                   | 57.23             | 0.00             | 3805.72                                |
| MW - 14 | 02/12/09      | 3862.95                     | -                   | 60.44             | 0.00             | 3802.51                                |
| MW - 14 | 02/19/09      | 3862.95                     | -                   | 60.46             | 0.00             | 3802.49                                |
| MW - 14 | 02/26/09      | 3862.95                     | -                   | 60.45             | 0.00             | 3802.50                                |
| MW - 14 | 03/04/09      | 3862.95                     | -                   | 60.57             | 0.00             | 3802.38                                |
| MW - 14 | 03/16/09      | 3862.95                     | -                   | 60.60             | 0.00             | 3802.35                                |
| MW - 14 | 03/19/09      | 3862.95                     | -                   | 60.63             | 0.00             | 3802.32                                |
| MW - 14 | 03/24/09      | 3862.95                     | -                   | 60.53             | 0.00             | 3802.42                                |
| MW - 14 | 04/08/09      | 3862.95                     | -                   | 60.62             | 0.00             | 3802.33                                |
| MW - 14 | 04/15/09      | 3862.95                     | -                   | 60.51             | 0.00             | 3802.44                                |
| MW - 14 | 04/17/09      | 3862.95                     | -                   | 60.58             | 0.00             | 3802.37                                |
| MW - 14 | 04/21/09      | 3862.95                     | -                   | 60.56             | 0.00             | 3802.39                                |
| MW - 14 | 04/29/09      | 3862.95                     | -                   | 60.54             | 0.00             | 3802.41                                |
| MW - 14 | 05/06/09      | 3862.95                     | -                   | 60.54             | 0.00             | 3802.41                                |
| MW - 14 | 05/22/09      | 3862.95                     | -                   | 60.62             | 0.00             | 3802.33                                |
| MW - 14 | 06/01/09      | 3862.95                     | -                   | 60.56             | 0.00             | 3802.39                                |
| MW - 14 | 06/09/09      | 3862.95                     | -                   | 60.62             | 0.00             | 3802.33                                |
| MW - 14 | 06/23/09      | 3862.95                     | -                   | 60.56             | 0.00             | 3802.39                                |
| MW - 14 | 06/30/09      | 3862.95                     | -                   | 60.59             | 0.00             | 3802.36                                |
| MW - 14 | 07/10/09      | 3862.95                     | -                   | 60.53             | 0.00             | 3802.42                                |
| MW - 14 | 07/17/09      | 3862.95                     | -                   | 60.52             | 0.00             | 3802.43                                |
| MW - 14 | 07/24/09      | 3862.95                     | -                   | 60.54             | 0.00             | 3802.41                                |
| MW - 14 | 08/04/09      | 3862.95                     | -                   | 60.52             | 0.00             | 3802.43                                |
| MW - 14 | 08/18/09      | 3862.95                     | -                   | 60.59             | 0.00             | 3802.36                                |
| MW - 14 | 08/26/09      | 3862.95                     | -                   | 62.50             | 0.00             | 3800.45                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 10/08/09      | 3862.95                     | -                   | 60.52             | 0.00             | 3802.43                                |
| MW - 14 | 12/10/09      | 3862.95                     | -                   | 60.69             | 0.00             | 3802.26                                |
| MW - 14 | 01/06/10      | 3862.95                     | -                   | 60.66             | 0.00             | 3802.29                                |
| MW - 14 | 02/22/10      | 3862.95                     | -                   | 60.73             | 0.00             | 3802.22                                |
| MW - 14 | 05/06/10      | 3862.95                     | -                   | 60.66             | 0.00             | 3802.29                                |
| MW - 14 | 05/13/10      | 3862.95                     | -                   | 60.64             | 0.00             | 3802.31                                |
| MW - 14 | 05/19/10      | 3862.95                     | -                   | 60.63             | 0.00             | 3802.32                                |
| MW - 14 | 06/04/10      | 3862.95                     | -                   | 60.84             | 0.00             | 3802.11                                |
| MW - 14 | 08/26/10      | 3862.95                     | -                   | 60.82             | 0.00             | 3802.13                                |
| MW - 14 | 11/30/10      | 3862.95                     | -                   | 60.72             | 0.00             | 3802.23                                |
| MW - 14 | 03/08/11      | 3862.95                     | -                   | 60.70             | 0.00             | 3802.25                                |
| MW - 14 | 05/25/11      | 3862.95                     | -                   | 60.70             | 0.00             | 3802.25                                |
| MW - 14 | 08/19/11      | 3862.95                     | -                   | 61.09             | 0.00             | 3801.86                                |
| MW - 14 | 11/15/11      | 3862.95                     | -                   | 61.06             | 0.00             | 3801.89                                |
| MW - 14 | 11/30/11      | 3862.95                     | -                   | 61.09             | 0.00             | 3801.86                                |
| MW - 14 | 01/24/12      | 3862.95                     | -                   | 61.20             | 0.00             | 3801.75                                |
| MW - 14 | 01/31/12      | 3862.95                     | -                   | 61.24             | 0.00             | 3801.71                                |
| MW - 14 | 02/08/12      | 3862.95                     | -                   | 61.22             | 0.00             | 3801.73                                |
| MW - 14 | 02/29/12      | 3862.95                     | -                   | 61.21             | 0.00             | 3801.74                                |
| MW - 14 | 03/09/12      | 3862.95                     | -                   | 61.32             | 0.00             | 3801.63                                |
| MW - 14 | 03/16/12      | 3862.95                     | -                   | 61.31             | 0.00             | 3801.64                                |
| MW - 14 | 03/21/12      | 3862.95                     | -                   | 61.30             | 0.00             | 3801.65                                |
| MW - 14 | 03/28/12      | 3862.95                     | -                   | 61.31             | 0.00             | 3801.64                                |
| MW - 14 | 04/04/12      | 3862.95                     | -                   | 61.32             | 0.00             | 3801.63                                |
| MW - 14 | 04/11/12      | 3862.95                     | -                   | 61.29             | 0.00             | 3801.66                                |
| MW - 14 | 04/18/12      | 3862.95                     | -                   | 61.31             | 0.00             | 3801.64                                |
| MW - 14 | 04/25/12      | 3862.95                     | -                   | 61.30             | 0.00             | 3801.65                                |
| MW - 14 | 05/01/12      | 3862.95                     | -                   | 61.30             | 0.00             | 3801.65                                |
| MW - 14 | 05/09/12      | 3862.95                     | -                   | 61.30             | 0.00             | 3801.65                                |
| MW - 14 | 06/07/12      | 3862.95                     | -                   | 61.34             | 0.00             | 3801.61                                |
| MW - 14 | 06/20/12      | 3862.95                     | -                   | 61.39             | 0.00             | 3801.56                                |
| MW - 14 | 06/27/12      | 3862.95                     | -                   | 61.38             | 0.00             | 3801.57                                |
| MW - 14 | 07/11/12      | 3862.95                     | -                   | 61.43             | 0.00             | 3801.52                                |
| MW - 14 | 08/10/12      | 3862.95                     | -                   | 61.65             | 0.00             | 3801.30                                |
| MW - 14 | 09/06/12      | 3862.95                     | -                   | 61.45             | 0.00             | 3801.50                                |
| MW - 14 | 10/04/12      | 3862.95                     | -                   | 61.59             | 0.00             | 3801.36                                |
| MW - 14 | 10/12/12      | 3862.95                     | -                   | 61.55             | 0.00             | 3801.40                                |
| MW - 14 | 10/18/12      | 3862.95                     | -                   | 61.58             | 0.00             | 3801.37                                |
| MW - 14 | 10/25/12      | 3862.95                     | -                   | 61.58             | 0.00             | 3801.37                                |
| MW - 14 | 10/31/12      | 3862.95                     | -                   | 61.61             | 0.00             | 3801.34                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 11/15/12      | 3862.95                     | -                   | 61.61             | 0.00             | 3801.34                                |
| MW - 14 | 11/27/12      | 3862.95                     | -                   | 61.60             | 0.00             | 3801.35                                |
| MW - 14 | 12/19/12      | 3862.95                     | -                   | 61.63             | 0.00             | 3801.32                                |
| MW - 14 | 01/17/13      | 3862.95                     | -                   | 61.63             | 0.00             | 3801.32                                |
| MW - 14 | 01/31/13      | 3862.95                     | -                   | 61.64             | 0.00             | 3801.31                                |
| MW - 14 | 02/21/13      | 3862.95                     | -                   | 61.65             | 0.00             | 3801.30                                |
| MW - 14 | 03/05/13      | 3862.95                     | -                   | 61.72             | 0.00             | 3801.23                                |
| MW - 14 | 03/21/13      | 3862.95                     | -                   | 61.66             | 0.00             | 3801.29                                |
| MW - 14 | 04/04/13      | 3862.95                     | -                   | 61.73             | 0.00             | 3801.22                                |
| MW - 14 | 04/11/13      | 3862.95                     | -                   | 61.71             | 0.00             | 3801.24                                |
| MW - 14 | 04/18/13      | 3862.95                     | -                   | 61.76             | 0.00             | 3801.19                                |
| MW - 14 | 04/25/13      | 3862.95                     | -                   | 61.75             | 0.00             | 3801.20                                |
| MW - 14 | 05/01/13      | 3862.95                     | -                   | 61.78             | 0.00             | 3801.17                                |
| MW - 14 | 05/10/13      | 3862.95                     | -                   | 61.78             | 0.00             | 3801.17                                |
| MW - 14 | 05/15/13      | 3862.95                     | -                   | 61.73             | 0.00             | 3801.22                                |
| MW - 14 | 05/24/13      | 3862.95                     | -                   | 61.81             | 0.00             | 3801.14                                |
| MW - 14 | 05/30/13      | 3862.95                     | -                   | 61.80             | 0.00             | 3801.15                                |
| MW - 14 | 06/06/13      | 3862.95                     | -                   | 61.81             | 0.00             | 3801.14                                |
| MW - 14 | 06/14/13      | 3862.95                     | -                   | 61.82             | 0.00             | 3801.13                                |
| MW - 14 | 06/20/13      | 3862.95                     | -                   | 61.81             | 0.00             | 3801.14                                |
| MW - 14 | 06/27/13      | 3862.95                     | -                   | 61.81             | 0.00             | 3801.14                                |
| MW - 14 | 07/03/13      | 3862.95                     | -                   | 61.83             | 0.00             | 3801.12                                |
| MW - 14 | 07/10/13      | 3862.95                     | -                   | 61.84             | 0.00             | 3801.11                                |
| MW - 14 | 07/25/13      | 3862.95                     | -                   | 61.84             | 0.00             | 3801.11                                |
| MW - 14 | 07/31/13      | 3862.95                     | -                   | 61.82             | 0.00             | 3801.13                                |
| MW - 14 | 08/21/13      | 3862.95                     | -                   | 61.89             | 0.00             | 3801.06                                |
| MW - 14 | 08/29/13      | 3862.95                     | -                   | 61.86             | 0.00             | 3801.09                                |
| MW - 14 | 09/09/13      | 3862.95                     | -                   | 61.95             | 0.00             | 3801.00                                |
| MW - 14 | 09/18/13      | 3862.95                     | -                   | 61.94             | 0.00             | 3801.01                                |
| MW - 14 | 09/27/13      | 3862.95                     | -                   | 61.95             | 0.00             | 3801.00                                |
| MW - 14 | 10/02/13      | 3862.95                     | -                   | 61.98             | 0.00             | 3800.97                                |
| MW - 14 | 10/08/13      | 3862.95                     | -                   | 61.93             | 0.00             | 3801.02                                |
| MW - 14 | 10/16/13      | 3862.95                     | -                   | 61.96             | 0.00             | 3800.99                                |
| MW - 14 | 10/24/13      | 3862.95                     | -                   | 61.87             | 0.00             | 3801.08                                |
| MW - 14 | 10/31/13      | 3862.95                     | -                   | 61.86             | 0.00             | 3801.09                                |
| MW - 14 | 11/11/13      | 3862.95                     | -                   | 61.93             | 0.00             | 3801.02                                |
| MW - 14 | 12/11/13      | 3862.95                     | -                   | 62.03             | 0.00             | 3800.92                                |
| MW - 14 | 12/17/13      | 3862.95                     | -                   | 61.97             | 0.00             | 3800.98                                |
| MW - 14 | 01/03/14      | 3862.95                     | -                   | 62.04             | 0.00             | 3800.91                                |
| MW - 14 | 01/09/14      | 3862.95                     | -                   | 61.97             | 0.00             | 3800.98                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 01/15/14      | 3862.95                     | -                   | 61.98             | 0.00             | 3800.97                                |
| MW - 14 | 01/22/14      | 3862.95                     | -                   | 62.06             | 0.00             | 3800.89                                |
| MW - 14 | 01/29/14      | 3862.95                     | -                   | 62.02             | 0.00             | 3800.93                                |
| MW - 14 | 02/20/14      | 3862.95                     | -                   | 61.95             | 0.00             | 3801.00                                |
| MW - 14 | 03/04/14      | 3862.95                     | -                   | 61.98             | 0.00             | 3800.97                                |
| MW - 14 | 03/11/14      | 3862.95                     | -                   | 62.12             | 0.00             | 3800.83                                |
| MW - 14 | 03/18/14      | 3862.95                     | -                   | 62.08             | 0.00             | 3800.87                                |
| MW - 14 | 03/29/14      | 3862.95                     | -                   | 62.08             | 0.00             | 3800.87                                |
| MW - 14 | 04/01/14      | 3862.95                     | -                   | 62.06             | 0.00             | 3800.89                                |
| MW - 14 | 04/08/14      | 3862.95                     | -                   | 62.05             | 0.00             | 3800.90                                |
| MW - 14 | 04/18/14      | 3862.95                     | -                   | 62.05             | 0.00             | 3800.90                                |
| MW - 14 | 04/23/14      | 3862.95                     | -                   | 62.08             | 0.00             | 3800.87                                |
| MW - 14 | 05/05/14      | 3862.95                     | -                   | 62.08             | 0.00             | 3800.87                                |
| MW - 14 | 05/16/14      | 3862.95                     | -                   | 62.07             | 0.00             | 3800.88                                |
| MW - 14 | 05/20/14      | 3862.95                     | -                   | 62.15             | 0.00             | 3800.80                                |
| MW - 14 | 05/30/14      | 3862.95                     | -                   | 62.14             | 0.00             | 3800.81                                |
| MW - 14 | 06/18/14      | 3862.95                     | -                   | 62.16             | 0.00             | 3800.79                                |
| MW - 14 | 06/27/14      | 3862.95                     | -                   | 62.15             | 0.00             | 3800.80                                |
| MW - 14 | 07/02/14      | 3862.95                     | -                   | 62.18             | 0.00             | 3800.77                                |
| MW - 14 | 07/10/14      | 3862.95                     | -                   | 62.15             | 0.00             | 3800.80                                |
| MW - 14 | 07/29/14      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 07/30/14      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 08/08/14      | 3862.95                     | -                   | 62.18             | 0.00             | 3800.77                                |
| MW - 14 | 08/19/14      | 3862.95                     | -                   | 62.15             | 0.00             | 3800.80                                |
| MW - 14 | 08/20/14      | 3862.95                     | -                   | 62.18             | 0.00             | 3800.77                                |
| MW - 14 | 09/04/14      | 3862.95                     | -                   | 62.18             | 0.00             | 3800.77                                |
| MW - 14 | 09/11/14      | 3862.95                     | -                   | 62.23             | 0.00             | 3800.72                                |
| MW - 14 | 10/16/14      | 3862.95                     | -                   | 62.13             | 0.00             | 3800.82                                |
| MW - 14 | 10/22/14      | 3862.95                     | -                   | 62.17             | 0.00             | 3800.78                                |
| MW - 14 | 10/30/14      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 11/24/14      | 3862.95                     | -                   | 62.17             | 0.00             | 3800.78                                |
| MW - 14 | 11/24/14      | 3862.95                     | -                   | 62.17             | 0.00             | 3800.78                                |
| MW - 14 | 12/02/14      | 3862.95                     | -                   | 62.14             | 0.00             | 3800.81                                |
| MW - 14 | 12/12/14      | 3862.95                     | -                   | 62.16             | 0.00             | 3800.79                                |
| MW - 14 | 12/19/14      | 3862.95                     | -                   | 62.19             | 0.00             | 3800.76                                |
| MW - 14 | 01/07/15      | 3862.95                     | -                   | 62.24             | 0.00             | 3800.71                                |
| MW - 14 | 01/15/15      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 02/05/15      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 02/11/15      | 3862.95                     | -                   | 62.21             | 0.00             | 3800.74                                |
| MW - 14 | 02/20/15      | 3862.95                     | -                   | 62.25             | 0.00             | 3800.70                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 03/06/15      | 3862.95                     | -                   | 62.27             | 0.00             | 3800.68                                |
| MW - 14 | 03/11/15      | 3862.95                     | -                   | 62.29             | 0.00             | 3800.66                                |
| MW - 14 | 03/13/15      | 3862.95                     | -                   | 62.25             | 0.00             | 3800.70                                |
| MW - 14 | 03/17/15      | 3862.95                     | -                   | 62.30             | 0.00             | 3800.65                                |
| MW - 14 | 04/01/15      | 3862.95                     | -                   | 62.25             | 0.00             | 3800.70                                |
| MW - 14 | 04/09/15      | 3862.95                     | -                   | 62.31             | 0.00             | 3800.64                                |
| MW - 14 | 04/15/15      | 3862.95                     | -                   | 62.29             | 0.00             | 3800.66                                |
| MW - 14 | 04/17/15      | 3862.95                     | -                   | 62.32             | 0.00             | 3800.63                                |
| MW - 14 | 04/28/15      | 3862.95                     | -                   | 62.32             | 0.00             | 3800.63                                |
| MW - 14 | 05/19/15      | 3862.95                     | -                   | 62.31             | 0.00             | 3800.64                                |
| MW - 14 | 06/02/15      | 3862.95                     | -                   | 62.29             | 0.00             | 3800.66                                |
| MW - 14 | 06/11/15      | 3862.95                     | -                   | 62.31             | 0.00             | 3800.64                                |
| MW - 14 | 06/17/15      | 3862.95                     | -                   | 62.34             | 0.00             | 3800.61                                |
| MW - 14 | 06/25/15      | 3862.95                     | -                   | 62.34             | 0.00             | 3800.61                                |
| MW - 14 | 07/01/15      | 3862.95                     | -                   | 62.37             | 0.00             | 3800.58                                |
| MW - 14 | 07/08/15      | 3862.95                     | -                   | 62.38             | 0.00             | 3800.57                                |
| MW - 14 | 07/15/15      | 3862.95                     | -                   | 62.40             | 0.00             | 3800.55                                |
| MW - 14 | 07/22/15      | 3862.95                     | -                   | 62.61             | 0.00             | 3800.34                                |
| MW - 14 | 07/29/15      | 3862.95                     | -                   | 62.40             | 0.00             | 3800.55                                |
| MW - 14 | 07/31/15      | 3862.95                     | -                   | 62.43             | 0.00             | 3800.52                                |
| MW - 14 | 08/06/15      | 3862.95                     | -                   | 62.40             | 0.00             | 3800.55                                |
| MW - 14 | 08/12/15      | 3862.95                     | -                   | 62.41             | 0.00             | 3800.54                                |
| MW - 14 | 08/17/15      | 3862.95                     | -                   | 62.42             | 0.00             | 3800.53                                |
| MW - 14 | 08/19/15      | 3862.95                     | -                   | 62.46             | 0.00             | 3800.49                                |
| MW - 14 | 08/27/15      | 3862.95                     | -                   | 62.32             | 0.00             | 3800.63                                |
| MW - 14 | 09/03/15      | 3862.95                     | -                   | 62.42             | 0.00             | 3800.53                                |
| MW - 14 | 09/09/15      | 3862.95                     | -                   | 62.41             | 0.00             | 3800.54                                |
| MW - 14 | 09/11/15      | 3862.95                     | -                   | 62.14             | 0.00             | 3800.81                                |
| MW - 14 | 09/15/15      | 3862.95                     | -                   | 62.45             | 0.00             | 3800.50                                |
| MW - 14 | 09/22/15      | 3862.95                     | -                   | 62.53             | 0.00             | 3800.42                                |
| MW - 14 | 09/30/15      | 3862.95                     | -                   | 62.52             | 0.00             | 3800.43                                |
| MW - 14 | 10/06/15      | 3862.95                     | -                   | 62.56             | 0.00             | 3800.39                                |
| MW - 14 | 10/13/15      | 3862.95                     | -                   | 62.52             | 0.00             | 3800.43                                |
| MW - 14 | 10/22/15      | 3862.95                     | -                   | 62.60             | 0.00             | 3800.35                                |
| MW - 14 | 10/27/15      | 3862.95                     | -                   | 62.58             | 0.00             | 3800.37                                |
| MW - 14 | 11/11/15      | 3862.95                     | -                   | 62.54             | 0.00             | 3800.41                                |
| MW - 14 | 11/18/15      | 3862.95                     | -                   | 62.49             | 0.00             | 3800.46                                |
| MW - 14 | 12/03/15      | 3862.95                     | -                   | 62.60             | 0.00             | 3800.35                                |
| MW - 14 | 12/10/15      | 3862.95                     | -                   | 62.62             | 0.00             | 3800.33                                |
| MW - 14 | 12/22/15      | 3862.95                     | -                   | 62.57             | 0.00             | 3800.38                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 01/08/16           | 3862.95                     | -                   | 62.65             | 0.00             | 3800.30                                |
| MW - 14 | 01/14/16           | 3862.95                     | -                   | 62.65             | 0.00             | 3800.30                                |
| MW - 14 | 01/28/16           | 3862.95                     | -                   | 62.61             | 0.00             | 3800.34                                |
| MW - 14 | 02/02/16           | 3862.95                     | -                   | 62.68             | 0.00             | 3800.27                                |
| MW - 14 | 02/09/16           | 3862.95                     | -                   | 62.58             | 0.00             | 3800.37                                |
| MW - 14 | 03/02/16           | 3862.95                     | -                   | 62.64             | 0.00             | 3800.31                                |
| MW - 14 | 03/09/16           | 3862.95                     | -                   | 62.70             | 0.00             | 3800.25                                |
| MW - 14 | 03/17/16           | 3862.95                     | -                   | 62.65             | 0.00             | 3800.30                                |
| MW - 14 | 04/06/16           | 3862.95                     | -                   | 62.67             | 0.00             | 3800.28                                |
| MW - 14 | 04/13/16           | 3862.95                     | -                   | 62.69             | 0.00             | 3800.26                                |
| MW - 14 | 04/20/16           | 3862.95                     | -                   | 62.68             | 0.00             | 3800.27                                |
| MW - 14 | 04/27/16           | 3862.95                     | -                   | 62.71             | 0.00             | 3800.24                                |
| MW - 14 | 04/28/16           | 3862.95                     | -                   | 62.71             | 0.00             | 3800.24                                |
| MW - 14 | 05/05/16           | 3862.95                     | -                   | 62.72             | 0.00             | 3800.23                                |
| MW - 14 | 05/10/16           | 3862.95                     | -                   | 62.75             | 0.00             | 3800.20                                |
| MW - 14 | 06/08/16           | 3862.95                     | -                   | 62.77             | 0.00             | 3800.18                                |
| MW - 14 | 06/15/16           | 3862.95                     | -                   | 62.81             | 0.00             | 3800.14                                |
| MW - 14 | 06/21/16           | 3862.95                     | -                   | 62.79             | 0.00             | 3800.16                                |
| MW - 14 | 06/30/16           | 3862.95                     | -                   | 62.79             | 0.00             | 3800.16                                |
| MW - 14 | 07/01/16           | 3862.95                     | -                   | 62.79             | 0.00             | 3800.16                                |
| MW - 14 | 07/15/16           | 3862.95                     | -                   | 62.81             | 0.00             | 3800.14                                |
| MW - 14 | 07/21/16           | 3862.95                     | -                   | 62.85             | 0.00             | 3800.10                                |
| MW - 14 | 07/28/16           | 3862.95                     | -                   | 62.78             | 0.00             | 3800.17                                |
| MW - 14 | 08/02/16           | 3862.95                     | -                   | 62.86             | 0.00             | 3800.09                                |
| MW - 14 | 08/09/16           | 3862.95                     | -                   | 62.78             | 0.00             | 3800.17                                |
| MW - 14 | 08/16/16           | 3862.95                     | -                   | 62.78             | 0.00             | 3800.17                                |
| MW - 14 | 08/25/16           | 3862.95                     | -                   | 62.86             | 0.00             | 3800.09                                |
| MW - 14 | 09/08/16           | 3862.95                     | -                   | 62.87             | 0.00             | 3800.08                                |
| MW - 14 | 9/14/16 -9/15/2016 | 3862.95                     | -                   | 62.90             | 0.00             | 3800.05                                |
| MW - 14 | 09/22/16           | 3862.95                     | -                   | 62.92             | 0.00             | 3800.03                                |
| MW - 14 | 09/29/16           | 3862.95                     | -                   | 62.92             | 0.00             | 3800.03                                |
| MW - 14 | 10/13/16           | 3862.95                     | -                   | 62.97             | 0.00             | 3799.98                                |
| MW - 14 | 10/20/16           | 3862.95                     | -                   | 62.97             | 0.00             | 3799.98                                |
| MW - 14 | 10/27/16           | 3862.95                     | -                   | 62.96             | 0.00             | 3799.99                                |
| MW - 14 | 11/10/16           | 3862.95                     | -                   | 62.95             | 0.00             | 3800.00                                |
| MW - 14 | 11/16/16           | 3862.95                     | -                   | 63.00             | 0.00             | 3799.95                                |
| MW - 14 | 12/09/16           | 3862.95                     | -                   | 63.05             | 0.00             | 3799.90                                |
| MW - 14 | 12/14/16           | 3862.95                     | -                   | 63.10             | 0.00             | 3799.85                                |
| MW - 14 | 01/05/17           | 3862.95                     | -                   | 63.11             | 0.00             | 3799.84                                |
| MW - 14 | 01/12/17           | 3862.95                     | -                   | 63.08             | 0.00             | 3799.87                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 01/19/17      | 3862.95                     | -                   | 63.08             | 0.00             | 3799.87                                |
| MW - 14 | 01/20/17      | 3862.95                     | -                   | 63.14             | 0.00             | 3799.81                                |
| MW - 14 | 01/25/17      | 3862.95                     | -                   | 63.16             | 0.00             | 3799.79                                |
| MW - 14 | 02/02/17      | 3862.95                     | -                   | 63.11             | 0.00             | 3799.84                                |
| MW - 14 | 02/09/17      | 3862.95                     | -                   | 63.05             | 0.00             | 3799.90                                |
| MW - 14 | 02/22/17      | 3862.95                     | -                   | 63.10             | 0.00             | 3799.85                                |
| MW - 14 | 03/09/17      | 3862.95                     | -                   | 63.17             | 0.00             | 3799.78                                |
| MW - 14 | 03/16/17      | 3862.95                     | -                   | 63.15             | 0.00             | 3799.80                                |
| MW - 14 | 03/30/17      | 3862.95                     | -                   | 63.16             | 0.00             | 3799.79                                |
| MW - 14 | 04/06/17      | 3862.95                     | -                   | 63.17             | 0.00             | 3799.78                                |
| MW - 14 | 04/12/17      | 3862.95                     | -                   | 63.19             | 0.00             | 3799.76                                |
| MW - 14 | 05/03/17      | 3862.95                     | -                   | 63.24             | 0.00             | 3799.71                                |
| MW - 14 | 05/17/17      | 3862.95                     | -                   | 63.20             | 0.00             | 3799.75                                |
| MW - 14 | 05/26/17      | 3862.95                     | -                   | 63.23             | 0.00             | 3799.72                                |
| MW - 14 | 06/08/17      | 3862.95                     | -                   | 63.25             | 0.00             | 3799.70                                |
| MW - 14 | 06/09/17      | 3862.95                     | -                   | 63.25             | 0.00             | 3799.70                                |
| MW - 14 | 06/30/17      | 3862.95                     | -                   | 63.35             | 0.00             | 3799.60                                |
| MW - 14 | 07/06/17      | 3862.95                     | -                   | 63.40             | 0.00             | 3799.55                                |
| MW - 14 | 07/19/17      | 3862.95                     | -                   | 63.21             | 0.00             | 3799.74                                |
| MW - 14 | 07/23/17      | 3862.95                     | -                   | 63.38             | 0.00             | 3799.57                                |
| MW - 14 | 07/26/17      | 3862.95                     | -                   | 63.31             | 0.00             | 3799.64                                |
| MW - 14 | 08/23/17      | 3862.95                     | -                   | 63.40             | 0.00             | 3799.55                                |
| MW - 14 | 10/10/17      | 3862.95                     | -                   | 63.45             | 0.00             | 3799.50                                |
| MW - 14 | 11/29/17      | 3862.95                     | -                   | 63.47             | 0.00             | 3799.48                                |
| MW - 14 | 01/08/18      | 3862.95                     | -                   | 63.62             | 0.00             | 3799.33                                |
| MW - 14 | 01/18/18      | 3862.95                     | -                   | 63.60             | 0.00             | 3799.35                                |
| MW - 14 | 02/14/18      | 3862.95                     | -                   | 63.59             | 0.00             | 3799.36                                |
| MW - 14 | 02/21/18      | 3862.95                     | -                   | 63.66             | 0.00             | 3799.29                                |
| MW - 14 | 04/30/18      | 3862.95                     | -                   | 63.80             | 0.00             | 3799.15                                |
| MW - 14 | 05/03/18      | 3862.95                     | -                   | 63.76             | 0.00             | 3799.19                                |
| MW - 14 | 05/17/18      | 3862.95                     | -                   | 63.71             | 0.00             | 3799.24                                |
| MW - 14 | 07/06/18      | 3862.95                     | -                   | 63.89             | 0.00             | 3799.06                                |
| MW - 14 | 07/26/18      | 3862.95                     | -                   | 63.95             | 0.00             | 3799.00                                |
| MW - 14 | 08/16/18      | 3862.95                     | -                   | 63.90             | 0.00             | 3799.05                                |
| MW - 14 | 11/16/18      | 3862.95                     | -                   | 63.96             | 0.00             | 3798.99                                |
| MW - 14 | 11/29/18      | 3862.95                     | -                   | 63.99             | 0.00             | 3798.96                                |
| MW - 14 | 12/06/18      | 3862.95                     | -                   | 64.01             | 0.00             | 3798.94                                |
| MW - 14 | 12/11/18      | 3862.95                     | -                   | 63.97             | 0.00             | 3798.98                                |
| MW - 14 | 12/27/18      | 3862.95                     | -                   | 64.01             | 0.00             | 3798.94                                |
| MW - 14 | 01/04/19      | 3862.95                     | -                   | 64.01             | 0.00             | 3798.94                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 14 | 01/17/19      | 3862.95                     | -                   | 64.03             | 0.00             | 3798.92                                |
| MW - 14 | 01/24/19      | 3862.95                     | -                   | 64.07             | 0.00             | 3798.88                                |
| MW - 14 | 02/21/19      | 3862.95                     | -                   | 64.04             | 0.00             | 3798.91                                |
| MW - 14 | 04/04/19      | 3862.95                     | -                   | 64.14             | 0.00             | 3798.81                                |
| MW - 14 | 05/30/19      | 3862.95                     | -                   | 64.20             | 0.00             | 3798.75                                |
| MW - 14 | 08/28/19      | 3862.95                     | -                   | 64.32             | 0.00             | 3798.63                                |
| MW - 14 | 10/31/19      | 3862.95                     | -                   | 64.48             | 0.00             | 3798.47                                |
| MW - 14 | 03/18/20      | 3862.95                     | -                   | 64.71             | 0.00             | 3798.24                                |
| MW - 14 | 05/13/20      | 3862.95                     | -                   | 64.81             | 0.00             | 3798.14                                |
| MW - 14 | 06/10/20      | 3862.95                     | -                   | 64.89             | 0.00             | 3798.06                                |
| MW - 14 | 07/16/20      | 3862.95                     | -                   | 64.90             | 0.00             | 3798.05                                |
| MW - 14 | 08/26/20      | 3862.95                     | -                   | 64.98             | 0.00             | 3797.97                                |
| MW - 14 | 12/18/20      | 3862.95                     | -                   | 65.13             | 0.00             | 3797.82                                |
| MW - 14 | 01/28/21      | 3862.95                     | -                   | 65.17             | 0.00             | 3797.78                                |
| MW - 14 | 03/24/21      | 3862.95                     | -                   | 65.26             | 0.00             | 3797.69                                |
| MW - 14 | 06/23/21      | 3862.95                     | -                   | 65.41             | 0.00             | 3797.54                                |
| MW - 14 | 07/22/21      | 3862.95                     | -                   | 65.45             | 0.00             | 3797.50                                |
| MW - 14 | 09/10/21      | 3862.95                     | -                   | 65.49             | 0.00             | 3797.46                                |
| MW - 14 | 10/26/21      | 3862.95                     | -                   | 65.51             | 0.00             | 3797.44                                |
| MW - 14 | 12/14/21      | 3862.95                     | -                   | 65.63             | 0.00             | 3797.32                                |
| MW - 14 | 02/10/22      | 3862.95                     | -                   | 65.65             | 0.00             | 3797.30                                |
| MW - 14 | 03/09/22      | 3862.95                     | -                   | 65.66             | 0.00             | 3797.29                                |
| MW - 14 | 05/03/22      | 3862.95                     | -                   | 65.77             | 0.00             | 3797.18                                |
| MW - 14 | 08/03/22      | 3862.95                     | -                   | 65.91             | 0.00             | 3797.04                                |
| MW - 14 | 10/27/22      | 3862.95                     | -                   | 66.02             | 0.00             | 3796.93                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 15 | 03/24/00      | 3861.70                     | -                   | 57.11             | 0.00             | 3804.59                                |
| MW - 15 | 06/14/00      | 3861.70                     | -                   | 57.51             | 0.00             | 3804.19                                |
| MW - 15 | 09/22/00      | 3861.70                     | -                   | 56.76             | 0.00             | 3804.94                                |
| MW - 15 | 12/28/00      | 3861.70                     | -                   | 56.89             | 0.00             | 3804.81                                |
| MW - 15 | 03/14/01      | 3861.70                     | -                   | 57.00             | 0.00             | 3804.70                                |
| MW - 15 | 06/06/01      | 3861.70                     | -                   | 57.15             | 0.00             | 3804.55                                |
| MW - 15 | 09/28/01      | 3861.70                     | -                   | 57.25             | 0.00             | 3804.45                                |
| MW - 15 | 11/17/01      | 3861.70                     | -                   | 57.50             | 0.00             | 3804.20                                |
| MW - 15 | 03/26/02      | 3861.70                     | -                   | 57.57             | 0.00             | 3804.13                                |
| MW - 15 | 06/26/02      | 3861.70                     | -                   | 57.73             | 0.00             | 3803.97                                |
| MW - 15 | 09/25/02      | 3861.70                     | -                   | 57.90             | 0.00             | 3803.80                                |
| MW - 15 | 12/09/02      | 3861.70                     | -                   | 57.89             | 0.00             | 3803.81                                |
| MW - 15 | 03/10/03      | 3861.70                     | -                   | 57.95             | 0.00             | 3803.75                                |
| MW - 15 | 06/09/03      | 3861.70                     | -                   | 58.08             | 0.00             | 3803.62                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 15 | 09/03/03      | 3861.70                     | -                   | 58.19             | 0.00             | 3803.51                                |
| MW - 15 | 12/08/03      | 3861.70                     | -                   | 58.29             | 0.00             | 3803.41                                |
| MW - 15 | 03/01/04      | 3861.70                     | -                   | 58.45             | 0.00             | 3803.25                                |
| MW - 15 | 05/19/04      | 3861.70                     | -                   | 58.41             | 0.00             | 3803.29                                |
| MW - 15 | 08/26/04      | 3861.70                     | -                   | 58.57             | 0.00             | 3803.13                                |
| MW - 15 | 12/09/04      | 3861.70                     | -                   | 57.38             | 0.00             | 3804.32                                |
| MW - 15 | 03/17/05      | 3861.70                     | -                   | 57.23             | 0.00             | 3804.47                                |
| MW - 15 | 06/15/05      | 3861.70                     | -                   | 57.55             | 0.00             | 3804.15                                |
| MW - 15 | 09/14/05      | 3861.70                     | -                   | 57.79             | 0.00             | 3803.91                                |
| MW - 15 | 12/13/05      | 3861.70                     | -                   | 58.13             | 0.00             | 3803.57                                |
| MW - 15 | 03/15/06      | 3861.70                     | -                   | 58.35             | 0.00             | 3803.35                                |
| MW - 15 | 06/14/06      | 3861.70                     | -                   | 58.55             | 0.00             | 3803.15                                |
| MW - 15 | 09/13/06      | 3861.70                     | -                   | 58.66             | 0.00             | 3803.04                                |
| MW - 15 | 12/05/06      | 3861.70                     | -                   | 58.73             | 0.00             | 3802.97                                |
| MW - 15 | 03/01/07      | 3861.70                     | -                   | 58.84             | 0.00             | 3802.86                                |
| MW - 15 | 05/24/07      | 3861.70                     | -                   | 58.96             | 0.00             | 3802.74                                |
| MW - 15 | 08/23/07      | 3861.70                     | -                   | 59.00             | 0.00             | 3802.70                                |
| MW - 15 | 11/08/07      | 3861.70                     | -                   | 59.06             | 0.00             | 3802.64                                |
| MW - 15 | 03/04/08      | 3861.70                     | -                   | 59.17             | 0.00             | 3802.53                                |
| MW - 15 | 06/11/08      | 3861.70                     | -                   | 59.27             | 0.00             | 3802.43                                |
| MW - 15 | 09/09/08      | 3861.70                     | -                   | 59.40             | 0.00             | 3802.30                                |
| MW - 15 | 12/11/08      | 3861.70                     | -                   | 59.63             | 0.00             | 3802.07                                |
| MW - 15 | 02/26/09      | 3861.70                     | -                   | 59.38             | 0.00             | 3802.32                                |
| MW - 15 | 05/21/09      | 3861.70                     | -                   | 61.34             | 0.00             | 3800.36                                |
| MW - 15 | 08/18/09      | 3861.70                     | -                   | 59.71             | 0.00             | 3801.99                                |
| MW - 15 | 12/09/09      | 3861.70                     | -                   | 59.79             | 0.00             | 3801.91                                |
| MW - 15 | 01/06/10      | 3861.70                     | -                   | 59.80             | 0.00             | 3801.90                                |
| MW - 15 | 02/22/10      | 3861.70                     | -                   | 59.84             | 0.00             | 3801.86                                |
| MW - 15 | 06/04/10      | 3861.70                     | -                   | 59.96             | 0.00             | 3801.74                                |
| MW - 15 | 08/26/10      | 3861.70                     | -                   | 59.94             | 0.00             | 3801.76                                |
| MW - 15 | 11/30/10      | 3861.70                     | -                   | 59.88             | 0.00             | 3801.82                                |
| MW - 15 | 03/08/11      | 3861.70                     | -                   | 58.89             | 0.00             | 3802.81                                |
| MW - 15 | 05/25/11      | 3861.70                     | -                   | 59.88             | 0.00             | 3801.82                                |
| MW - 15 | 08/18/11      | 3861.70                     | -                   | 60.25             | 0.00             | 3801.45                                |
| MW - 15 | 11/15/11      | 3861.70                     | -                   | 60.18             | 0.00             | 3801.52                                |
| MW - 15 | 02/29/12      | 3861.70                     | -                   | 60.31             | 0.00             | 3801.39                                |
| MW - 15 | 05/01/12      | 3861.70                     | -                   | 60.42             | 0.00             | 3801.28                                |
| MW - 15 | 08/10/12      | 3861.70                     | -                   | 60.77             | 0.00             | 3800.93                                |
| MW - 15 | 11/27/12      | 3861.70                     | -                   | 60.89             | 0.00             | 3800.81                                |
| MW - 15 | 02/21/13      | 3861.70                     | -                   | 60.76             | 0.00             | 3800.94                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 15 | 05/15/13      | 3861.70                     | -                   | 60.84             | 0.00             | 3800.86                                |
| MW - 15 | 08/21/13      | 3861.70                     | -                   | 60.93             | 0.00             | 3800.77                                |
| MW - 15 | 11/11/13      | 3861.70                     | -                   | 61.02             | 0.00             | 3800.68                                |
| MW - 15 | 02/20/14      | 3861.70                     | -                   | 61.08             | 0.00             | 3800.62                                |
| MW - 15 | 05/20/14      | 3861.70                     | -                   | 61.16             | 0.00             | 3800.54                                |
| MW - 15 | 07/29/14      | 3861.70                     | -                   | 61.26             | 0.00             | 3800.44                                |
| MW - 15 | 08/19/14      | 3861.70                     | -                   | 61.24             | 0.00             | 3800.46                                |
| MW - 15 | 10/30/14      | 3861.70                     | -                   | 61.24             | 0.00             | 3800.46                                |
| MW - 15 | 11/24/14      | 3861.70                     | -                   | 61.29             | 0.00             | 3800.41                                |
| MW - 15 | 02/11/15      | 3861.70                     | -                   | 61.34             | 0.00             | 3800.36                                |
| MW - 15 | 03/11/15      | 3861.70                     | -                   | 61.40             | 0.00             | 3800.30                                |
| MW - 15 | 04/17/15      | 3861.70                     | -                   | 61.42             | 0.00             | 3800.28                                |
| MW - 15 | 05/19/15      | 3861.70                     | -                   | 61.43             | 0.00             | 3800.27                                |
| MW - 15 | 07/31/15      | 3861.70                     | -                   | 61.65             | 0.00             | 3800.05                                |
| MW - 15 | 08/12/15      | 3861.70                     | -                   | 61.54             | 0.00             | 3800.16                                |
| MW - 15 | 09/11/15      | 3861.70                     | -                   | 61.62             | 0.00             | 3800.08                                |
| MW - 15 | 11/11/15      | 3861.70                     | -                   | 61.61             | 0.00             | 3800.09                                |
| MW - 15 | 02/02/16      | 3861.70                     | -                   | 61.73             | 0.00             | 3799.97                                |
| MW - 15 | 04/28/16      | 3861.70                     | -                   | 61.71             | 0.00             | 3799.99                                |
| MW - 15 | 05/10/16      | 3861.70                     | -                   | 61.79             | 0.00             | 3799.91                                |
| MW - 15 | 07/01/16      | 3861.70                     | -                   | 61.85             | 0.00             | 3799.85                                |
| MW - 15 | 07/29/16      | 3861.70                     | -                   | 61.90             | 0.00             | 3799.80                                |
| MW - 15 | 08/09/16      | 3861.70                     | -                   | 61.90             | 0.00             | 3799.80                                |
| MW - 15 | 09/15/16      | 3861.70                     | -                   | 61.96             | 0.00             | 3799.74                                |
| MW - 15 | 11/16/16      | 3861.70                     | -                   | 62.05             | 0.00             | 3799.65                                |
| MW - 15 | 12/14/16      | 3861.70                     | -                   | 62.08             | 0.00             | 3799.62                                |
| MW - 15 | 01/20/17      | 3861.70                     | -                   | 62.17             | 0.00             | 3799.53                                |
| MW - 15 | 02/21/17      | 3861.70                     | -                   | 62.30             | 0.00             | 3799.40                                |
| MW - 15 | 05/16/17      | 3861.70                     | -                   | 62.29             | 0.00             | 3799.41                                |
| MW - 15 | 06/09/17      | 3861.70                     | -                   | 62.36             | 0.00             | 3799.34                                |
| MW - 15 | 07/26/17      | 3861.70                     | -                   | 62.36             | 0.00             | 3799.34                                |
| MW - 15 | 08/22/17      | 3861.70                     | -                   | 62.45             | 0.00             | 3799.25                                |
| MW - 15 | 10/10/17      | 3861.70                     | -                   | 62.56             | 0.00             | 3799.14                                |
| MW - 15 | 11/28/17      | 3861.70                     | -                   | 62.47             | 0.00             | 3799.23                                |
| MW - 15 | 01/08/18      | 3861.70                     | -                   | 62.67             | 0.00             | 3799.03                                |
| MW - 15 | 02/13/18      | 3861.70                     | -                   | 62.69             | 0.00             | 3799.01                                |
| MW - 15 | 04/30/18      | 3861.70                     | -                   | 62.84             | 0.00             | 3798.86                                |
| MW - 15 | 05/16/18      | 3861.70                     | -                   | 62.83             | 0.00             | 3798.87                                |
| MW - 15 | 07/05/18      | 3861.70                     | -                   | 62.94             | 0.00             | 3798.76                                |
| MW - 15 | 07/26/18      | 3861.70                     | -                   | 62.99             | 0.00             | 3798.71                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 15 | 08/15/18      | 3861.70                     | -                   | 62.95             | 0.00             | 3798.75                                |
| MW - 15 | 11/28/18      | 3861.70                     | -                   | 63.07             | 0.00             | 3798.63                                |
| MW - 15 | 12/27/18      | 3861.70                     | -                   | 63.12             | 0.00             | 3798.58                                |
| MW - 15 | 01/15/19      | 3861.70                     | -                   | 63.14             | 0.00             | 3798.56                                |
| MW - 15 | 02/20/19      | 3861.70                     | -                   | 63.18             | 0.00             | 3798.52                                |
| MW - 15 | 04/04/19      | 3861.70                     | -                   | 63.22             | 0.00             | 3798.48                                |
| MW - 15 | 05/29/19      | 3861.70                     | -                   | 63.30             | 0.00             | 3798.40                                |
| MW - 15 | 08/27/19      | 3861.70                     | -                   | 63.43             | 0.00             | 3798.27                                |
| MW - 15 | 10/30/19      | 3861.70                     | -                   | 63.60             | 0.00             | 3798.10                                |
| MW - 15 | 03/17/20      | 3861.70                     | -                   | 63.84             | 0.00             | 3797.86                                |
| MW - 15 | 05/13/20      | 3861.70                     | -                   | 63.94             | 0.00             | 3797.76                                |
| MW - 15 | 06/09/20      | 3861.70                     | -                   | 64.00             | 0.00             | 3797.70                                |
| MW - 15 | 07/16/20      | 3861.70                     | -                   | 64.02             | 0.00             | 3797.68                                |
| MW - 15 | 08/25/20      | 3861.70                     | -                   | 64.08             | 0.00             | 3797.62                                |
| MW - 15 | 12/16/20      | 3861.70                     | -                   | 64.23             | 0.00             | 3797.47                                |
| MW - 15 | 01/28/21      | 3861.70                     | -                   | 64.28             | 0.00             | 3797.42                                |
| MW - 15 | 03/22/21      | 3861.70                     | -                   | 64.37             | 0.00             | 3797.33                                |
| MW - 15 | 06/22/21      | 3861.70                     | -                   | 64.52             | 0.00             | 3797.18                                |
| MW - 15 | 07/22/21      | 3861.70                     | -                   | 64.55             | 0.00             | 3797.15                                |
| MW - 15 | 09/09/21      | 3861.70                     | -                   | 64.59             | 0.00             | 3797.11                                |
| MW - 15 | 10/26/21      | 3861.70                     | -                   | 64.52             | 0.00             | 3797.18                                |
| MW - 15 | 12/14/21      | 3861.70                     | -                   | 64.71             | 0.00             | 3796.99                                |
| MW - 15 | 02/09/22      | 3861.70                     | -                   | 64.75             | 0.00             | 3796.95                                |
| MW - 15 | 05/02/22      | 3861.70                     | -                   | 64.88             | 0.00             | 3796.82                                |
| MW - 15 | 08/02/22      | 3861.70                     | -                   | 64.97             | 0.00             | 3796.73                                |
| MW - 15 | 10/26/22      | 3861.70                     | -                   | 65.13             | 0.00             | 3796.57                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 16 | 03/24/00      | 3863.15                     | -                   | 56.81             | 0.00             | 3806.34                                |
| MW - 16 | 06/14/00      | 3863.15                     | -                   | 57.24             | 0.00             | 3805.91                                |
| MW - 16 | 09/22/00      | 3863.15                     | -                   | 56.46             | 0.00             | 3806.69                                |
| MW - 16 | 12/28/00      | 3863.15                     | -                   | 56.64             | 0.00             | 3806.51                                |
| MW - 16 | 03/14/01      | 3863.15                     | -                   | 56.73             | 0.00             | 3806.42                                |
| MW - 16 | 06/06/01      | 3863.15                     | -                   | 56.85             | 0.00             | 3806.30                                |
| MW - 16 | 09/28/01      | 3863.15                     | -                   | 56.99             | 0.00             | 3806.16                                |
| MW - 16 | 11/17/01      | 3863.15                     | -                   | 57.28             | 0.00             | 3805.87                                |
| MW - 16 | 03/26/02      | 3863.15                     | -                   | 57.43             | 0.00             | 3805.72                                |
| MW - 16 | 06/26/02      | 3863.15                     | -                   | 57.43             | 0.00             | 3805.72                                |
| MW - 16 | 09/25/02      | 3863.15                     | -                   | 57.58             | 0.00             | 3805.57                                |
| MW - 16 | 12/10/02      | 3863.15                     | -                   | 57.59             | 0.00             | 3805.56                                |
| MW - 16 | 03/10/03      | 3863.15                     | -                   | 57.65             | 0.00             | 3805.50                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 16 | 06/09/03      | 3863.15                     | -                   | 57.78             | 0.00             | 3805.37                                |
| MW - 16 | 09/03/03      | 3863.15                     | -                   | 57.90             | 0.00             | 3805.25                                |
| MW - 16 | 12/08/03      | 3863.15                     | -                   | 58.02             | 0.00             | 3805.13                                |
| MW - 16 | 03/01/04      | 3863.15                     | -                   | 58.18             | 0.00             | 3804.97                                |
| MW - 16 | 05/19/04      | 3863.15                     | -                   | 58.18             | 0.00             | 3804.97                                |
| MW - 16 | 08/26/04      | 3863.15                     | -                   | 58.31             | 0.00             | 3804.84                                |
| MW - 16 | 12/09/04      | 3863.15                     | -                   | 57.18             | 0.00             | 3805.97                                |
| MW - 16 | 03/17/05      | 3863.15                     | -                   | 56.88             | 0.00             | 3806.27                                |
| MW - 16 | 06/15/05      | 3863.15                     | -                   | 57.16             | 0.00             | 3805.99                                |
| MW - 16 | 09/15/05      | 3863.15                     | -                   | 57.58             | 0.00             | 3805.57                                |
| MW - 16 | 12/13/05      | 3863.15                     | -                   | 57.81             | 0.00             | 3805.34                                |
| MW - 16 | 03/15/06      | 3863.15                     | -                   | 58.07             | 0.00             | 3805.08                                |
| MW - 16 | 06/14/06      | 3863.15                     | -                   | 58.24             | 0.00             | 3804.91                                |
| MW - 16 | 09/13/06      | 3863.15                     | -                   | 58.36             | 0.00             | 3804.79                                |
| MW - 16 | 12/06/06      | 3863.15                     | -                   | 58.54             | 0.00             | 3804.61                                |
| MW - 16 | 03/01/07      | 3863.15                     | -                   | 58.57             | 0.00             | 3804.58                                |
| MW - 16 | 05/24/07      | 3863.15                     | -                   | 58.69             | 0.00             | 3804.46                                |
| MW - 16 | 08/23/07      | 3863.15                     | -                   | 58.72             | 0.00             | 3804.43                                |
| MW - 16 | 11/08/07      | 3863.15                     | -                   | 58.79             | 0.00             | 3804.36                                |
| MW - 16 | 03/04/08      | 3863.15                     | -                   | 58.90             | 0.00             | 3804.25                                |
| MW - 16 | 06/11/08      | 3863.15                     | -                   | 59.01             | 0.00             | 3804.14                                |
| MW - 16 | 09/09/08      | 3863.15                     | -                   | 58.29             | 0.00             | 3804.86                                |
| MW - 16 | 12/11/08      | 3863.15                     | -                   | 59.29             | 0.00             | 3803.86                                |
| MW - 16 | 02/26/09      | 3863.15                     | -                   | 59.39             | 0.00             | 3803.76                                |
| MW - 16 | 05/21/09      | 3863.15                     | -                   | 59.48             | 0.00             | 3803.67                                |
| MW - 16 | 08/18/09      | 3863.15                     | -                   | 59.51             | 0.00             | 3803.64                                |
| MW - 16 | 12/10/09      | 3863.15                     | -                   | 59.59             | 0.00             | 3803.56                                |
| MW - 16 | 01/06/10      | 3863.15                     | -                   | 59.57             | 0.00             | 3803.58                                |
| MW - 16 | 02/22/10      | 3863.15                     | -                   | 59.65             | 0.00             | 3803.50                                |
| MW - 16 | 06/04/10      | 3863.15                     | -                   | 59.79             | 0.00             | 3803.36                                |
| MW - 16 | 08/26/10      | 3863.15                     | -                   | 59.81             | 0.00             | 3803.34                                |
| MW - 16 | 11/30/10      | 3863.15                     | -                   | 59.58             | 0.00             | 3803.57                                |
| MW - 16 | 03/08/11      | 3863.15                     | -                   | 59.57             | 0.00             | 3803.58                                |
| MW - 16 | 05/25/11      | 3863.15                     | -                   | 59.59             | 0.00             | 3803.56                                |
| MW - 16 | 08/18/11      | 3863.15                     | -                   | 60.00             | 0.00             | 3803.15                                |
| MW - 16 | 11/15/11      | 3863.15                     | -                   | 60.02             | 0.00             | 3803.13                                |
| MW - 16 | 02/29/12      | 3863.15                     | -                   | 60.17             | 0.00             | 3802.98                                |
| MW - 16 | 05/01/12      | 3863.15                     | -                   | 60.23             | 0.00             | 3802.92                                |
| MW - 16 | 08/10/12      | 3863.15                     | -                   | 60.58             | 0.00             | 3802.57                                |
| MW - 16 | 11/27/12      | 3863.15                     | -                   | 60.53             | 0.00             | 3802.62                                |



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 16 | 02/21/13      | 3863.15                     | -                   | 60.60             | 0.00             | 3802.55                                |
| MW - 16 | 05/15/13      | 3863.15                     | -                   | 60.67             | 0.00             | 3802.48                                |
| MW - 16 | 08/21/13      | 3863.15                     | -                   | 60.77             | 0.00             | 3802.38                                |
| MW - 16 | 11/11/13      | 3863.15                     | -                   | 60.86             | 0.00             | 3802.29                                |
| MW - 16 | 02/20/14      | 3863.15                     | -                   | 60.98             | 0.00             | 3802.17                                |
| MW - 16 | 02/26/14      | 3863.15                     | -                   | 60.93             | 0.00             | 3802.22                                |
| MW - 16 | 05/20/14      | 3863.15                     | -                   | 61.36             | 0.00             | 3801.79                                |
| MW - 16 | 07/29/14      | 3863.15                     | -                   | 61.06             | 0.00             | 3802.09                                |
| MW - 16 | 08/19/14      | 3863.15                     | -                   | 61.17             | 0.00             | 3801.98                                |
| MW - 16 | 10/30/14      | 3863.15                     | -                   | 61.66             | 0.00             | 3801.49                                |
| MW - 16 | 11/24/14      | 3863.15                     | -                   | 61.56             | 0.00             | 3801.59                                |
| MW - 16 | 02/11/15      | 3863.15                     | -                   | 61.68             | 0.00             | 3801.47                                |
| MW - 16 | 03/11/15      | 3863.15                     | -                   | 61.79             | 0.00             | 3801.36                                |
| MW - 16 | 04/17/15      | 3863.15                     | -                   | 61.83             | 0.00             | 3801.32                                |
| MW - 16 | 05/19/15      | 3863.15                     | -                   | 61.78             | 0.00             | 3801.37                                |
| MW - 16 | 07/31/15      | 3863.15                     | -                   | 61.39             | 0.00             | 3801.76                                |
| MW - 16 | 08/12/15      | 3863.15                     | -                   | 61.37             | 0.00             | 3801.78                                |
| MW - 16 | 09/11/15      | 3863.15                     | -                   | 61.48             | 0.00             | 3801.67                                |
| MW - 16 | 11/11/15      | 3863.15                     | -                   | 62.01             | 0.00             | 3801.14                                |
| MW - 16 | 02/02/16      | 3863.15                     | -                   | 62.09             | 0.00             | 3801.06                                |
| MW - 16 | 04/28/16      | 3863.15                     | -                   | 62.12             | 0.00             | 3801.03                                |
| MW - 16 | 05/10/16      | 3863.15                     | -                   | 62.00             | 0.00             | 3801.15                                |
| MW - 16 | 07/01/16      | 3863.15                     | -                   | 62.25             | 0.00             | 3800.90                                |
| MW - 16 | 07/29/16      | 3863.15                     | -                   | 62.21             | 0.00             | 3800.94                                |
| MW - 16 | 08/09/16      | 3863.15                     | -                   | 62.21             | 0.00             | 3800.94                                |
| MW - 16 | 09/15/16      | 3863.15                     | -                   | 62.32             | 0.00             | 3800.83                                |
| MW - 16 | 11/16/16      | 3863.15                     | -                   | 62.42             | 0.00             | 3800.73                                |
| MW - 16 | 12/14/16      | 3863.15                     | -                   | 62.41             | 0.00             | 3800.74                                |
| MW - 16 | 01/20/17      | 3863.15                     | -                   | 62.48             | 0.00             | 3800.67                                |
| MW - 16 | 02/22/17      | 3863.15                     | -                   | 62.03             | 0.00             | 3801.12                                |
| MW - 16 | 05/17/17      | 3863.15                     | -                   | 62.15             | 0.00             | 3801.00                                |
| MW - 16 | 06/09/17      | 3863.15                     | -                   | 62.18             | 0.00             | 3800.97                                |
| MW - 16 | 07/26/17      | 3863.15                     | -                   | 62.18             | 0.00             | 3800.97                                |
| MW - 16 | 08/23/17      | 3863.15                     | -                   | 62.27             | 0.00             | 3800.88                                |
| MW - 16 | 10/10/17      | 3863.15                     | -                   | 62.40             | 0.00             | 3800.75                                |
| MW - 16 | 11/29/17      | 3863.15                     | -                   | 62.38             | 0.00             | 3800.77                                |
| MW - 16 | 01/08/18      | 3863.15                     | -                   | 62.50             | 0.00             | 3800.65                                |
| MW - 16 | 02/14/18      | 3863.15                     | -                   | 62.53             | 0.00             | 3800.62                                |
| MW - 16 | 04/30/18      | 3863.15                     | -                   | 62.64             | 0.00             | 3800.51                                |
| MW - 16 | 05/17/18      | 3863.15                     | -                   | 62.47             | 0.00             | 3800.68                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER  | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|--------------------|------------------|----------------------------------------|
| MW - 16 | 07/05/18      | 3863.15                     | -                   | 62.75              | 0.00             | 3800.40                                |
| MW - 16 | 07/26/18      | 3863.15                     | -                   | 62.78              | 0.00             | 3800.37                                |
| MW - 16 | 08/16/18      | 3863.15                     | -                   | 62.78              | 0.00             | 3800.37                                |
| MW - 16 | 11/28/18      | 3863.15                     | -                   | 62.90              | 0.00             | 3800.25                                |
| MW - 16 | 12/27/18      | 3863.15                     | -                   | 62.96              | 0.00             | 3800.19                                |
| MW - 16 | 02/21/19      | 3863.15                     | -                   | Insufficient Water |                  |                                        |
| MW - 16 | 04/04/19      | 3863.15                     | -                   | Insufficient Water |                  |                                        |
| MW - 16 | 05/30/19      | 3863.15                     | -                   | Insufficient Water |                  |                                        |
| MW - 16 | 08/28/19      | 3863.15                     | -                   | Insufficient Water |                  |                                        |
| MW - 16 | 10/29/19      | 3863.15                     | -                   | Insufficient Water |                  |                                        |
| MW - 16 | 03/18/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 05/13/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 06/10/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 07/16/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 08/26/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 12/18/20      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 01/28/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 03/24/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 06/22/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 07/22/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 09/10/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 10/26/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 12/15/21      | 3863.15                     | -                   | Dry                |                  |                                        |
| MW - 16 | 02/10/22      | 3863.15                     | -                   | Dry                | 0.00             | Dry                                    |
| MW - 16 | 05/03/22      | 3863.15                     | -                   | 63.11              | 0.00             | Dry                                    |
| MW - 16 | 08/02/22      | 3863.15                     | -                   | Dry                | 0.00             | Dry                                    |
| MW - 16 | 10/26/22      | 3863.15                     | -                   | Dry                | 0.00             | Dry                                    |
|         |               |                             |                     |                    |                  |                                        |
| MW - 17 | 03/24/00      | 3859.17                     | -                   | 59.57              | 0.00             | 3799.60                                |
| MW - 17 | 06/14/00      | 3859.17                     | -                   | 59.72              | 0.00             | 3799.45                                |
| MW - 17 | 09/22/00      | 3859.17                     | -                   | 59.65              | 0.00             | 3799.52                                |
| MW - 17 | 12/28/00      | 3859.17                     | -                   | 59.70              | 0.00             | 3799.47                                |
| MW - 17 | 03/14/01      | 3859.17                     | -                   | 59.66              | 0.00             | 3799.51                                |
| MW - 17 | 06/06/01      | 3859.17                     | -                   | 59.75              | 0.00             | 3799.42                                |
| MW - 17 | 09/28/01      | 3859.17                     | -                   | 59.90              | 0.00             | 3799.27                                |
| MW - 17 | 11/17/01      | 3859.17                     | -                   | 60.02              | 0.00             | 3799.15                                |
| MW - 17 | 03/26/02      | 3859.17                     | -                   | 60.41              | 0.00             | 3798.76                                |
| MW - 17 | 06/26/02      | 3859.17                     | -                   | 60.26              | 0.00             | 3798.91                                |
| MW - 17 | 09/25/02      | 3859.17                     | -                   | 60.39              | 0.00             | 3798.78                                |
| MW - 17 | 12/10/02      | 3859.17                     | -                   | 60.43              | 0.00             | 3798.74                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 17 | 03/10/03      | 3859.17                     | -                   | 60.51             | 0.00             | 3798.66                                |
| MW - 17 | 06/09/03      | 3859.17                     | -                   | 60.61             | 0.00             | 3798.56                                |
| MW - 17 | 09/03/03      | 3859.17                     | -                   | 60.70             | 0.00             | 3798.47                                |
| MW - 17 | 12/08/03      | 3859.17                     | -                   | 60.81             | 0.00             | 3798.36                                |
| MW - 17 | 03/01/04      | 3859.17                     | -                   | 60.93             | 0.00             | 3798.24                                |
| MW - 17 | 05/19/04      | 3859.17                     | -                   | 60.98             | 0.00             | 3798.19                                |
| MW - 17 | 08/26/04      | 3859.17                     | -                   | 61.07             | 0.00             | 3798.10                                |
| MW - 17 | 12/09/04      | 3859.17                     | -                   | 60.58             | 0.00             | 3798.59                                |
| MW - 17 | 03/17/05      | 3859.17                     | -                   | 60.23             | 0.00             | 3798.94                                |
| MW - 17 | 06/15/05      | 3859.17                     | -                   | 60.27             | 0.00             | 3798.90                                |
| MW - 17 | 09/14/05      | 3859.17                     | -                   | 60.42             | 0.00             | 3798.75                                |
| MW - 17 | 12/13/05      | 3859.17                     | -                   | 60.60             | 0.00             | 3798.57                                |
| MW - 17 | 03/15/06      | 3859.17                     | -                   | 60.81             | 0.00             | 3798.36                                |
| MW - 17 | 06/14/06      | 3859.17                     | -                   | 60.98             | 0.00             | 3798.19                                |
| MW - 17 | 09/13/06      | 3859.17                     | -                   | 61.06             | 0.00             | 3798.11                                |
| MW - 17 | 12/06/06      | 3859.17                     | -                   | 61.13             | 0.00             | 3798.04                                |
| MW - 17 | 03/01/07      | 3859.17                     | -                   | 61.17             | 0.00             | 3798.00                                |
| MW - 17 | 05/24/07      | 3859.17                     | -                   | 61.22             | 0.00             | 3797.95                                |
| MW - 17 | 08/23/07      | 3859.17                     | -                   | 61.27             | 0.00             | 3797.90                                |
| MW - 17 | 11/08/07      | 3859.17                     | -                   | 61.36             | 0.00             | 3797.81                                |
| MW - 17 | 03/04/08      | 3859.17                     | -                   | 61.44             | 0.00             | 3797.73                                |
| MW - 17 | 06/11/08      | 3859.17                     | -                   | 61.52             | 0.00             | 3797.65                                |
| MW - 17 | 09/09/08      | 3859.17                     | -                   | 61.60             | 0.00             | 3797.57                                |
| MW - 17 | 12/11/08      | 3859.17                     | -                   | 61.89             | 0.00             | 3797.28                                |
| MW - 17 | 02/26/09      | 3859.17                     | -                   | 61.77             | 0.00             | 3797.40                                |
| MW - 17 | 05/21/09      | 3859.17                     | -                   | 61.82             | 0.00             | 3797.35                                |
| MW - 17 | 08/18/09      | 3859.17                     | -                   | 61.88             | 0.00             | 3797.29                                |
| MW - 17 | 12/10/09      | 3859.17                     | -                   | 61.94             | 0.00             | 3797.23                                |
| MW - 17 | 01/06/10      | 3859.17                     | -                   | 61.97             | 0.00             | 3797.20                                |
| MW - 17 | 02/22/10      | 3859.17                     | -                   | 61.99             | 0.00             | 3797.18                                |
| MW - 17 | 06/04/10      | 3859.17                     | -                   | 62.06             | 0.00             | 3797.11                                |
| MW - 17 | 08/26/10      | 3859.17                     | -                   | 62.09             | 0.00             | 3797.08                                |
| MW - 17 | 11/30/10      | 3859.17                     | -                   | 61.96             | 0.00             | 3797.21                                |
| MW - 17 | 03/08/11      | 3859.17                     | -                   | 61.94             | 0.00             | 3797.23                                |
| MW - 17 | 05/25/11      | 3859.17                     | -                   | 61.92             | 0.00             | 3797.25                                |
| MW - 17 | 08/18/11      | 3859.17                     | -                   | 62.30             | 0.00             | 3796.87                                |
| MW - 17 | 11/15/11      | 3859.17                     | -                   | 62.28             | 0.00             | 3796.89                                |
| MW - 17 | 02/29/12      | 3859.17                     | -                   | 62.45             | 0.00             | 3796.72                                |
| MW - 17 | 05/01/12      | 3859.17                     | -                   | 62.51             | 0.00             | 3796.66                                |
| MW - 17 | 08/10/12      | 3859.17                     | -                   | 62.86             | 0.00             | 3796.31                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 17 | 11/27/12      | 3859.17                     | -                   | 62.79             | 0.00             | 3796.38                                |
| MW - 17 | 02/21/13      | 3859.17                     | -                   | 62.89             | 0.00             | 3796.28                                |
| MW - 17 | 05/15/13      | 3859.17                     | -                   | 62.96             | 0.00             | 3796.21                                |
| MW - 17 | 08/21/13      | 3859.17                     |                     | 63.02             | 0.00             | 3796.15                                |
| MW - 17 | 11/11/13      | 3859.17                     |                     | 63.10             | 0.00             | 3796.07                                |
| MW - 17 | 02/20/14      | 3859.17                     |                     | 63.21             | 0.00             | 3795.96                                |
| MW - 17 | 05/20/14      | 3859.17                     | -                   | 63.27             | 0.00             | 3795.90                                |
| MW - 17 | 07/29/14      | 3859.17                     | -                   | 63.33             | 0.00             | 3795.84                                |
| MW - 17 | 08/19/14      | 3859.17                     | -                   | 63.34             | 0.00             | 3795.83                                |
| MW - 17 | 10/30/14      | 3859.17                     | -                   | 63.42             | 0.00             | 3795.75                                |
| MW - 17 | 11/24/14      | 3859.17                     | -                   | 63.43             | 0.00             | 3795.74                                |
| MW - 17 | 02/11/15      | 3859.17                     | -                   | 63.47             | 0.00             | 3795.70                                |
| MW - 17 | 03/11/15      | 3859.17                     | -                   | 63.49             | 0.00             | 3795.68                                |
| MW - 17 | 04/17/15      | 3859.17                     | -                   | 62.31             | 0.00             | 3796.86                                |
| MW - 17 | 05/19/15      | 3859.17                     | -                   | 63.52             | 0.00             | 3795.65                                |
| MW - 17 | 07/31/15      | 3859.17                     | -                   | 63.59             | 0.00             | 3795.58                                |
| MW - 17 | 08/12/15      | 3859.17                     | -                   | 63.59             | 0.00             | 3795.58                                |
| MW - 17 | 09/11/15      | 3859.17                     | -                   | 63.64             | 0.00             | 3795.53                                |
| MW - 17 | 11/11/15      | 3859.17                     | -                   | 63.68             | 0.00             | 3795.49                                |
| MW - 17 | 02/02/16      | 3859.17                     | -                   | 63.74             | 0.00             | 3795.43                                |
| MW - 17 | 04/28/16      | 3859.17                     | -                   | 63.80             | 0.00             | 3795.37                                |
| MW - 17 | 05/10/16      | 3859.17                     | -                   | 63.82             | 0.00             | 3795.35                                |
| MW - 17 | 07/01/16      | 3859.17                     | -                   | 63.87             | 0.00             | 3795.30                                |
| MW - 17 | 07/29/16      | 3859.17                     | -                   | 63.86             | 0.00             | 3795.31                                |
| MW - 17 | 08/09/16      | 3859.17                     | -                   | 63.88             | 0.00             | 3795.29                                |
| MW - 17 | 09/15/16      | 3859.17                     | -                   | 63.90             | 0.00             | 3795.27                                |
| MW - 17 | 11/16/16      | 3859.17                     | -                   | 63.98             | 0.00             | 3795.19                                |
| MW - 17 | 12/14/16      | 3859.17                     | -                   | 64.01             | 0.00             | 3795.16                                |
| MW - 17 | 01/20/17      | 3859.17                     | -                   | 64.04             | 0.00             | 3795.13                                |
| MW - 17 | 02/22/17      | 3859.17                     | -                   | 64.08             | 0.00             | 3795.09                                |
| MW - 17 | 05/16/17      | 3859.17                     | -                   | 64.21             | 0.00             | 3794.96                                |
| MW - 17 | 06/09/17      | 3859.17                     | -                   | 64.24             | 0.00             | 3794.93                                |
| MW - 17 | 07/26/17      | 3859.17                     | -                   | 64.22             | 0.00             | 3794.95                                |
| MW - 17 | 08/22/17      | 3859.17                     | -                   | 64.36             | 0.00             | 3794.81                                |
| MW - 17 | 10/10/17      | 3859.17                     | -                   | 64.52             | 0.00             | 3794.65                                |
| MW - 17 | 11/29/17      | 3859.17                     | -                   | 64.55             | 0.00             | 3794.62                                |
| MW - 17 | 01/08/18      | 3859.17                     | -                   | 64.58             | 0.00             | 3794.59                                |
| MW - 17 | 02/14/18      | 3859.17                     | -                   | 64.66             | 0.00             | 3794.51                                |
| MW - 17 | 04/30/18      | 3859.17                     | -                   | 64.78             | 0.00             | 3794.39                                |
| MW - 17 | 05/16/18      | 3859.17                     | -                   | 64.81             | 0.00             | 3794.36                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 17 | 07/05/18      | 3859.17                     | -                   | 64.88             | 0.00             | 3794.29                                |
| MW - 17 | 07/26/18      | 3859.17                     | -                   | 64.89             | 0.00             | 3794.28                                |
| MW - 17 | 08/16/18      | 3859.17                     | -                   | 64.94             | 0.00             | 3794.23                                |
| MW - 17 | 11/28/18      | 3859.17                     | -                   | 65.11             | 0.00             | 3794.06                                |
| MW - 17 | 12/27/18      | 3859.17                     | -                   | 65.15             | 0.00             | 3794.02                                |
| MW - 17 | 01/17/19      | 3859.17                     | -                   | 65.21             | 0.00             | 3793.96                                |
| MW - 17 | 02/21/19      | 3859.17                     | -                   | 65.25             | 0.00             | 3793.92                                |
| MW - 17 | 04/04/19      | 3859.17                     | -                   | 66.31             | 0.00             | 3792.86                                |
| MW - 17 | 05/30/19      | 3859.17                     | -                   | 65.35             | 0.00             | 3793.82                                |
| MW - 17 | 08/28/19      | 3859.17                     | -                   | 65.48             | 0.00             | 3793.69                                |
| MW - 17 | 10/31/19      | 3859.17                     | -                   | 65.59             | 0.00             | 3793.58                                |
| MW - 17 | 03/18/20      | 3859.17                     | -                   | 65.79             | 0.00             | 3793.38                                |
| MW - 17 | 05/13/20      | 3859.17                     | -                   | 65.88             | 0.00             | 3793.29                                |
| MW - 17 | 06/09/20      | 3859.17                     | -                   | 65.91             | 0.00             | 3793.26                                |
| MW - 17 | 07/16/20      | 3859.17                     | -                   | 65.96             | 0.00             | 3793.21                                |
| MW - 17 | 08/25/20      | 3859.17                     | -                   | 66.01             | 0.00             | 3793.16                                |
| MW - 17 | 12/16/20      | 3859.17                     | -                   | 66.15             | 0.00             | 3793.02                                |
| MW - 17 | 01/28/21      | 3859.17                     | -                   | 66.19             | 0.00             | 3792.98                                |
| MW - 17 | 03/22/21      | 3859.17                     | -                   | 66.27             | 0.00             | 3792.90                                |
| MW - 17 | 06/22/21      | 3859.17                     | -                   | 66.37             | 0.00             | 3792.80                                |
| MW - 17 | 07/22/21      | 3859.17                     | -                   | 66.42             | 0.00             | 3792.75                                |
| MW - 17 | 09/09/21      | 3859.17                     | -                   | 66.42             | 0.00             | 3792.75                                |
| MW - 17 | 10/26/21      | 3859.17                     | -                   | 66.53             | 0.00             | 3792.64                                |
| MW - 17 | 12/14/21      | 3859.17                     | -                   | -                 | 0.00             | Dry                                    |
| MW - 17 | 02/10/22      | 3859.17                     | -                   | 66.65             | 0.00             | 3792.52                                |
| MW - 17 | 05/02/22      | 3859.17                     | -                   | 66.75             | 0.00             | Dry                                    |
| MW - 17 | 08/02/22      | 3859.17                     | -                   | 66.85             | 0.00             | 3792.32                                |
| MW - 17 | 10/26/22      | 3859.17                     | -                   | 66.95             | 0.00             | 3792.22                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 18 | 03/24/00      | 3859.98                     | -                   | 59.15             | 0.00             | 3800.83                                |
| MW - 18 | 06/14/00      | 3859.98                     | -                   | 59.42             | 0.00             | 3800.56                                |
| MW - 18 | 09/22/00      | 3859.98                     | -                   | 58.97             | 0.00             | 3801.01                                |
| MW - 18 | 12/28/00      | 3859.98                     | -                   | 59.02             | 0.00             | 3800.96                                |
| MW - 18 | 03/14/01      | 3859.98                     | -                   | 59.15             | 0.00             | 3800.83                                |
| MW - 18 | 06/06/01      | 3859.98                     | -                   | 59.20             | 0.00             | 3800.78                                |
| MW - 18 | 09/28/01      | 3859.98                     | -                   | 59.43             | 0.00             | 3800.55                                |
| MW - 18 | 11/17/01      | 3859.98                     | -                   | 59.44             | 0.00             | 3800.54                                |
| MW - 18 | 03/26/02      | 3859.98                     | -                   | 59.94             | 0.00             | 3800.04                                |
| MW - 18 | 06/26/02      | 3859.98                     | -                   | 59.75             | 0.00             | 3800.23                                |
| MW - 18 | 09/25/02      | 3859.98                     | -                   | 59.86             | 0.00             | 3800.12                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 18 | 12/10/02      | 3859.98                     | -                   | 59.89             | 0.00             | 3800.09                                |
| MW - 18 | 03/10/03      | 3859.98                     | -                   | 59.96             | 0.00             | 3800.02                                |
| MW - 18 | 06/09/03      | 3859.98                     | -                   | 60.05             | 0.00             | 3799.93                                |
| MW - 18 | 09/03/03      | 3859.98                     | -                   | 60.15             | 0.00             | 3799.83                                |
| MW - 18 | 12/08/03      | 3859.98                     | -                   | 60.26             | 0.00             | 3799.72                                |
| MW - 18 | 03/01/04      | 3859.98                     | -                   | 60.35             | 0.00             | 3799.63                                |
| MW - 18 | 05/19/04      | 3859.98                     | -                   | 60.43             | 0.00             | 3799.55                                |
| MW - 18 | 08/26/04      | 3859.98                     | -                   | 60.48             | 0.00             | 3799.50                                |
| MW - 18 | 12/09/04      | 3859.98                     | -                   | 59.72             | 0.00             | 3800.26                                |
| MW - 18 | 03/17/05      | 3859.98                     | -                   | 59.47             | 0.00             | 3800.51                                |
| MW - 18 | 06/15/05      | 3859.98                     | -                   | 59.62             | 0.00             | 3800.36                                |
| MW - 18 | 09/14/05      | 3859.98                     | -                   | 59.80             | 0.00             | 3800.18                                |
| MW - 18 | 12/13/05      | 3859.98                     | -                   | 60.01             | 0.00             | 3799.97                                |
| MW - 18 | 03/15/06      | 3859.98                     | -                   | 60.23             | 0.00             | 3799.75                                |
| MW - 18 | 06/14/06      | 3859.98                     | -                   | 60.39             | 0.00             | 3799.59                                |
| MW - 18 | 09/13/06      | 3859.98                     | -                   | 60.52             | 0.00             | 3799.46                                |
| MW - 18 | 12/05/06      | 3859.98                     | -                   | 60.56             | 0.00             | 3799.42                                |
| MW - 18 | 03/01/07      | 3859.98                     | -                   | 60.63             | 0.00             | 3799.35                                |
| MW - 18 | 05/24/07      | 3859.98                     | -                   | 60.70             | 0.00             | 3799.28                                |
| MW - 18 | 06/21/07      | 3859.98                     | -                   | 60.71             | 0.00             | 3799.27                                |
| MW - 18 | 08/23/07      | 3859.98                     | -                   | 60.78             | 0.00             | 3799.20                                |
| MW - 18 | 11/08/07      | 3859.98                     | -                   | 60.84             | 0.00             | 3799.14                                |
| MW - 18 | 03/04/08      | 3859.98                     | -                   | 60.96             | 0.00             | 3799.02                                |
| MW - 18 | 06/11/08      | 3859.98                     | -                   | 61.00             | 0.00             | 3798.98                                |
| MW - 18 | 09/09/08      | 3859.98                     | -                   | 61.12             | 0.00             | 3798.86                                |
| MW - 18 | 12/11/08      | 3859.98                     | -                   | 61.39             | 0.00             | 3798.59                                |
| MW - 18 | 02/27/09      | 3859.98                     | -                   | 61.26             | 0.00             | 3798.72                                |
| MW - 18 | 05/21/09      | 3859.98                     | -                   | 61.34             | 0.00             | 3798.64                                |
| MW - 18 | 08/18/09      | 3859.98                     | -                   | 61.39             | 0.00             | 3798.59                                |
| MW - 18 | 12/09/09      | 3859.98                     | -                   | 61.46             | 0.00             | 3798.52                                |
| MW - 18 | 01/06/10      | 3859.98                     | -                   | 61.49             | 0.00             | 3798.49                                |
| MW - 18 | 02/22/10      | 3859.98                     | -                   | 61.51             | 0.00             | 3798.47                                |
| MW - 18 | 06/04/10      | 3859.98                     | -                   | 61.58             | 0.00             | 3798.40                                |
| MW - 18 | 08/26/10      | 3859.98                     | -                   | 61.58             | 0.00             | 3798.40                                |
| MW - 18 | 11/30/10      | 3859.98                     | -                   | 61.48             | 0.00             | 3798.50                                |
| MW - 18 | 03/08/11      | 3859.98                     | -                   | 61.47             | 0.00             | 3798.51                                |
| MW - 18 | 05/25/11      | 3859.98                     | -                   | 61.48             | 0.00             | 3798.50                                |
| MW - 18 | 08/18/11      | 3859.98                     | -                   | 61.85             | 0.00             | 3798.13                                |
| MW - 18 | 11/15/11      | 3859.98                     | -                   | 61.83             | 0.00             | 3798.15                                |
| MW - 18 | 02/29/12      | 3859.98                     | -                   | 61.99             | 0.00             | 3797.99                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 18 | 05/01/12      | 3859.98                     | -                   | 62.06             | 0.00             | 3797.92                                |
| MW - 18 | 08/10/12      | 3859.98                     | -                   | 62.41             | 0.00             | 3797.57                                |
| MW - 18 | 11/27/12      | 3859.98                     | -                   | 62.33             | 0.00             | 3797.65                                |
| MW - 18 | 02/21/13      | 3859.98                     | -                   | 62.43             | 0.00             | 3797.55                                |
| MW - 18 | 05/15/13      | 3859.98                     | -                   | 62.50             | 0.00             | 3797.48                                |
| MW - 18 | 08/20/13      | 3859.98                     | -                   | 62.61             | 0.00             | 3797.37                                |
| MW - 18 | 11/11/13      | 3859.98                     | -                   | 62.66             | 0.00             | 3797.32                                |
| MW - 18 | 02/19/14      | 3859.98                     | -                   | 62.76             | 0.00             | 3797.22                                |
| MW - 18 | 05/20/14      | 3859.98                     | -                   | 63.78             | 0.00             | 3796.20                                |
| MW - 18 | 07/29/14      | 3859.98                     | -                   | 62.90             | 0.00             | 3797.08                                |
| MW - 18 | 08/28/14      | 3859.98                     | -                   | 62.93             | 0.00             | 3797.05                                |
| MW - 18 | 10/30/14      | 3859.98                     | -                   | 62.95             | 0.00             | 3797.03                                |
| MW - 18 | 11/24/14      | 3859.98                     | -                   | 62.96             | 0.00             | 3797.02                                |
| MW - 18 | 02/10/15      | 3859.98                     | -                   | 63.01             | 0.00             | 3796.97                                |
| MW - 18 | 03/11/15      | 3859.98                     | -                   | 63.04             | 0.00             | 3796.94                                |
| MW - 18 | 04/17/15      | 3859.98                     | -                   | 62.28             | 0.00             | 3797.70                                |
| MW - 18 | 05/19/15      | 3859.98                     | -                   | 63.08             | 0.00             | 3796.90                                |
| MW - 18 | 07/31/15      | 3859.98                     | -                   | 63.16             | 0.00             | 3796.82                                |
| MW - 18 | 08/12/15      | 3859.98                     | -                   | 63.18             | 0.00             | 3796.80                                |
| MW - 18 | 09/11/15      | 3859.98                     | -                   | 63.22             | 0.00             | 3796.76                                |
| MW - 18 | 11/10/15      | 3859.98                     | -                   | 63.24             | 0.00             | 3796.74                                |
| MW - 18 | 02/02/16      | 3859.98                     | -                   | 63.32             | 0.00             | 3796.66                                |
| MW - 18 | 04/28/16      | 3859.98                     | -                   | 63.38             | 0.00             | 3796.60                                |
| MW - 18 | 05/10/16      | 3859.98                     | -                   | 63.40             | 0.00             | 3796.58                                |
| MW - 18 | 07/01/16      | 3859.98                     | -                   | 63.46             | 0.00             | 3796.52                                |
| MW - 18 | 07/29/16      | 3859.98                     | -                   | 63.06             | 0.00             | 3796.92                                |
| MW - 18 | 08/08/16      | 3859.98                     | -                   | 63.48             | 0.00             | 3796.50                                |
| MW - 18 | 09/15/16      | 3859.98                     | -                   | 63.50             | 0.00             | 3796.48                                |
| MW - 18 | 11/15/16      | 3859.98                     | -                   | 63.59             | 0.00             | 3796.39                                |
| MW - 18 | 12/14/16      | 3859.98                     | -                   | 63.66             | 0.00             | 3796.32                                |
| MW - 18 | 01/20/17      | 3859.98                     | -                   | 63.67             | 0.00             | 3796.31                                |
| MW - 18 | 02/21/17      | 3859.98                     | -                   | 63.69             | 0.00             | 3796.29                                |
| MW - 18 | 05/16/17      | 3859.98                     | -                   | 63.82             | 0.00             | 3796.16                                |
| MW - 18 | 06/09/17      | 3859.98                     | -                   | 64.86             | 0.00             | 3795.12                                |
| MW - 18 | 07/26/17      | 3859.98                     | -                   | 64.87             | 0.00             | 3795.11                                |
| MW - 18 | 08/22/17      | 3859.98                     | -                   | 64.00             | 0.00             | 3795.98                                |
| MW - 18 | 10/10/17      | 3859.98                     | -                   | 64.08             | 0.00             | 3795.90                                |
| MW - 18 | 11/28/17      | 3859.98                     | -                   | 64.15             | 0.00             | 3795.83                                |
| MW - 18 | 01/08/18      | 3859.98                     | -                   | 64.24             | 0.00             | 3795.74                                |
| MW - 18 | 02/13/18      | 3859.98                     | -                   | 64.28             | 0.00             | 3795.70                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 18 | 04/30/18      | 3859.98                     | -                   | 64.42             | 0.00             | 3795.56                                |
| MW - 18 | 05/16/18      | 3859.98                     | -                   | 64.44             | 0.00             | 3795.54                                |
| MW - 18 | 07/05/18      | 3859.98                     | -                   | 64.53             | 0.00             | 3795.45                                |
| MW - 18 | 07/26/18      | 3859.98                     | -                   | 64.52             | 0.00             | 3795.46                                |
| MW - 18 | 08/15/18      | 3859.98                     | -                   | 64.59             | 0.00             | 3795.39                                |
| MW - 18 | 11/27/18      | 3859.98                     | -                   | 64.76             | 0.00             | 3795.22                                |
| MW - 18 | 12/27/18      | 3859.98                     | -                   | 64.82             | 0.00             | 3795.16                                |
| MW - 18 | 01/17/19      | 3859.98                     | -                   | 64.86             | 0.00             | 3795.12                                |
| MW - 18 | 02/20/19      | 3859.98                     | -                   | 64.89             | 0.00             | 3795.09                                |
| MW - 18 | 04/04/19      | 3859.98                     | -                   | 64.96             | 0.00             | 3795.02                                |
| MW - 18 | 05/29/19      | 3859.98                     | -                   | 65.03             | 0.00             | 3794.95                                |
| MW - 18 | 08/27/19      | 3859.98                     | -                   | 65.17             | 0.00             | 3794.81                                |
| MW - 18 | 10/30/19      | 3859.98                     | -                   | 65.28             | 0.00             | 3794.70                                |
| MW - 18 | 03/17/20      | 3859.98                     | -                   | 65.56             | 0.00             | 3794.42                                |
| MW - 18 | 05/13/20      | 3859.98                     | -                   | 65.65             | 0.00             | 3794.33                                |
| MW - 18 | 06/09/20      | 3859.98                     | -                   | 65.69             | 0.00             | 3794.29                                |
| MW - 18 | 07/16/20      | 3859.98                     | -                   | 65.74             | 0.00             | 3794.24                                |
| MW - 18 | 08/26/20      | 3859.98                     | -                   | 65.80             | 0.00             | 3794.18                                |
| MW - 18 | 12/17/20      | 3859.98                     | -                   | Dry               |                  |                                        |
| MW - 18 | 01/28/21      | 3859.98                     | -                   | 66.06             | 0.00             | 3793.92                                |
| MW - 18 | 03/24/21      | 3859.98                     | -                   | 66.15             | 0.00             | 3793.83                                |
| MW - 18 | 06/23/21      | 3859.98                     | -                   | 66.19             | 0.00             | 3793.79                                |
| MW - 18 | 07/22/21      | 3859.98                     | -                   | Dry               |                  |                                        |
| MW - 18 | 09/10/21      | 3859.98                     | -                   | Dry               |                  |                                        |
| MW - 18 | 10/26/21      | 3859.98                     | -                   | Dry               |                  |                                        |
| MW - 18 | 12/15/21      | 3859.98                     | -                   | Dry               |                  |                                        |
| MW - 18 | 02/10/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 05/02/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 08/02/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 18 | 10/27/22      | 3859.98                     | -                   | Dry               | 0.00             | Dry                                    |
|         |               |                             |                     |                   |                  |                                        |
| MW - 19 | 03/24/00      | 3862.30                     | -                   | 57.97             | 0.00             | 3804.33                                |
| MW - 19 | 06/14/00      | 3862.30                     | -                   | 60.41             | 0.00             | 3801.89                                |
| MW - 19 | 09/22/00      | 3862.30                     | -                   | 59.64             | 0.00             | 3802.66                                |
| MW - 19 | 12/28/00      | 3862.30                     | -                   | 59.83             | 0.00             | 3802.47                                |
| MW - 19 | 03/14/01      | 3862.30                     | -                   | 58.92             | 0.00             | 3803.38                                |
| MW - 19 | 09/28/01      | 3862.30                     | -                   | 59.19             | 0.00             | 3803.11                                |
| MW - 19 | 11/17/01      | 3862.30                     | -                   | 60.35             | 0.00             | 3801.95                                |
| MW - 19 | 03/26/02      | 3862.30                     | -                   | 60.64             | 0.00             | 3801.66                                |
| MW - 19 | 06/26/02      | 3862.30                     | -                   | 60.59             | 0.00             | 3801.71                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 19 | 09/25/02      | 3862.30                     | -                   | 60.73             | 0.00             | 3801.57                                |
| MW - 19 | 12/10/02      | 3862.30                     | -                   | 60.76             | 0.00             | 3801.54                                |
| MW - 19 | 03/10/03      | 3862.30                     | -                   | 60.83             | 0.00             | 3801.47                                |
| MW - 19 | 06/09/03      | 3862.30                     | -                   | 60.92             | 0.00             | 3801.38                                |
| MW - 19 | 09/03/03      | 3862.30                     | -                   | 61.02             | 0.00             | 3801.28                                |
| MW - 19 | 12/08/03      | 3862.30                     | -                   | 61.14             | 0.00             | 3801.16                                |
| MW - 19 | 03/01/04      | 3862.30                     | -                   | 61.24             | 0.00             | 3801.06                                |
| MW - 19 | 05/19/04      | 3862.30                     | -                   | 61.15             | 0.00             | 3801.15                                |
| MW - 19 | 08/26/04      | 3862.30                     | -                   | 61.33             | 0.00             | 3800.97                                |
| MW - 19 | 12/09/04      | 3862.30                     | -                   | 60.10             | 0.00             | 3802.20                                |
| MW - 19 | 03/17/05      | 3862.30                     | -                   | 60.14             | 0.00             | 3802.16                                |
| MW - 19 | 06/15/05      | 3862.30                     | -                   | 60.40             | 0.00             | 3801.90                                |
| MW - 19 | 09/14/05      | 3862.30                     | -                   | 60.61             | 0.00             | 3801.69                                |
| MW - 19 | 12/13/05      | 3862.30                     | -                   | 60.84             | 0.00             | 3801.46                                |
| MW - 19 | 03/15/06      | 3862.30                     | -                   | 61.05             | 0.00             | 3801.25                                |
| MW - 19 | 06/14/06      | 3862.30                     | -                   | 61.23             | 0.00             | 3801.07                                |
| MW - 19 | 09/13/06      | 3862.30                     | -                   | 61.36             | 0.00             | 3800.94                                |
| MW - 19 | 12/06/06      | 3862.30                     | -                   | 61.44             | 0.00             | 3800.86                                |
| MW - 19 | 03/01/07      | 3862.30                     | -                   | 65.56             | 0.00             | 3796.74                                |
| MW - 19 | 05/24/07      | 3862.30                     | -                   | 61.57             | 0.00             | 3800.73                                |
| MW - 19 | 08/23/07      | 3862.30                     | -                   | 61.65             | 0.00             | 3800.65                                |
| MW - 19 | 11/08/07      | 3862.30                     | -                   | 61.73             | 0.00             | 3800.57                                |
| MW - 19 | 03/04/08      | 3862.30                     | -                   | 61.82             | 0.00             | 3800.48                                |
| MW - 19 | 06/11/08      | 3862.30                     | -                   | 61.89             | 0.00             | 3800.41                                |
| MW - 19 | 09/09/08      | 3862.30                     | -                   | 62.02             | 0.00             | 3800.28                                |
| MW - 19 | 12/11/08      | 3862.30                     | -                   | 63.20             | 0.00             | 3799.10                                |
| MW - 19 | 02/27/09      | 3862.30                     | -                   | 62.15             | 0.00             | 3800.15                                |
| MW - 19 | 05/21/09      | 3862.30                     | -                   | 62.24             | 0.00             | 3800.06                                |
| MW - 19 | 08/18/09      | 3862.30                     | -                   | 62.23             | 0.00             | 3800.07                                |
| MW - 19 | 12/09/09      | 3862.30                     | -                   | 62.34             | 0.00             | 3799.96                                |
| MW - 19 | 01/06/10      | 3862.30                     | -                   | 62.36             | 0.00             | 3799.94                                |
| MW - 19 | 02/22/10      | 3862.30                     | -                   | 62.41             | 0.00             | 3799.89                                |
| MW - 19 | 06/04/10      | 3862.30                     | -                   | 62.50             | 0.00             | 3799.80                                |
| MW - 19 | 08/26/10      | 3862.30                     | -                   | 62.52             | 0.00             | 3799.78                                |
| MW - 19 | 11/30/10      | 3862.30                     | -                   | 62.33             | 0.00             | 3799.97                                |
| MW - 19 | 03/09/11      | 3862.30                     | -                   | 62.30             | 0.00             | 3800.00                                |
| MW - 19 | 05/25/11      | 3862.30                     | -                   | 62.28             | 0.00             | 3800.02                                |
| MW - 19 | 08/18/11      | 3862.30                     | -                   | 62.65             | 0.00             | 3799.65                                |
| MW - 19 | 11/15/11      | 3862.30                     | -                   | 62.75             | 0.00             | 3799.55                                |
| MW - 19 | 02/29/12      | 3862.30                     | -                   | 62.94             | 0.00             | 3799.36                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 19 | 05/01/12      | 3862.30                     | -                   | 63.00             | 0.00             | 3799.30                                |
| MW - 19 | 08/10/12      | 3862.30                     | -                   | 63.36             | 0.00             | 3798.94                                |
| MW - 19 | 11/27/12      | 3862.30                     | -                   | 63.28             | 0.00             | 3799.02                                |
| MW - 19 | 02/21/13      | 3862.30                     | -                   | 63.38             | 0.00             | 3798.92                                |
| MW - 19 | 05/15/13      | 3862.30                     | -                   | 63.45             | 0.00             | 3798.85                                |
| MW - 19 | 08/20/13      | 3862.30                     | -                   | 63.54             | 0.00             | 3798.76                                |
| MW - 19 | 11/11/13      | 3862.30                     | -                   | 63.60             | 0.00             | 3798.70                                |
| MW - 19 | 02/19/14      | 3862.30                     | -                   | 63.72             | 0.00             | 3798.58                                |
| MW - 19 | 05/20/14      | 3862.30                     | -                   | 62.84             | 0.00             | 3799.46                                |
| MW - 19 | 07/29/14      | 3862.30                     | -                   | 63.86             | 0.00             | 3798.44                                |
| MW - 19 | 08/19/14      | 3862.30                     | -                   | 62.91             | 0.00             | 3799.39                                |
| MW - 19 | 10/30/14      | 3862.30                     | -                   | 63.87             | 0.00             | 3798.43                                |
| MW - 19 | 11/24/14      | 3862.30                     | -                   | 63.91             | 0.00             | 3798.39                                |
| MW - 19 | 02/10/15      | 3862.30                     | -                   | 63.96             | 0.00             | 3798.34                                |
| MW - 19 | 03/11/15      | 3862.30                     | -                   | 63.98             | 0.00             | 3798.32                                |
| MW - 19 | 04/17/15      | 3862.30                     | -                   | 61.88             | 0.00             | 3800.42                                |
| MW - 19 | 05/19/15      | 3862.30                     | -                   | 64.03             | 0.00             | 3798.27                                |
| MW - 19 | 07/31/15      | 3862.30                     | -                   | 64.11             | 0.00             | 3798.19                                |
| MW - 19 | 08/12/15      | 3862.30                     | -                   | 64.12             | 0.00             | 3798.18                                |
| MW - 19 | 09/11/15      | 3862.30                     | -                   | 64.16             | 0.00             | 3798.14                                |
| MW - 19 | 11/10/15      | 3862.30                     | -                   | 64.21             | 0.00             | 3798.09                                |
| MW - 19 | 02/02/16      | 3862.30                     | -                   | 64.28             | 0.00             | 3798.02                                |
| MW - 19 | 04/28/16      | 3862.30                     | -                   | 64.35             | 0.00             | 3797.95                                |
| MW - 19 | 05/10/16      | 3862.30                     | -                   | 64.36             | 0.00             | 3797.94                                |
| MW - 19 | 07/01/16      | 3862.30                     | -                   | 64.43             | 0.00             | 3797.87                                |
| MW - 19 | 07/29/16      | 3862.30                     | -                   | 63.48             | 0.00             | 3798.82                                |
| MW - 19 | 08/08/16      | 3862.30                     | -                   | 64.44             | 0.00             | 3797.86                                |
| MW - 19 | 09/15/16      | 3862.30                     | -                   | 64.49             | 0.00             | 3797.81                                |
| MW - 19 | 11/15/16      | 3862.30                     | -                   | 64.56             | 0.00             | 3797.74                                |
| MW - 19 | 12/14/16      | 3862.30                     | -                   | 64.63             | 0.00             | 3797.67                                |
| MW - 19 | 01/20/17      | 3862.30                     | -                   | 64.66             | 0.00             | 3797.64                                |
| MW - 19 | 02/21/17      | 3862.30                     | -                   | 64.70             | 0.00             | 3797.60                                |
| MW - 19 | 05/16/17      | 3862.30                     | -                   | 64.82             | 0.00             | 3797.48                                |
| MW - 19 | 07/26/17      | 3862.30                     | -                   | 64.96             | 0.00             | 3797.34                                |
| MW - 19 | 08/22/17      | 3862.30                     | -                   | 65.01             | 0.00             | 3797.29                                |
| MW - 19 | 10/10/17      | 3862.30                     | -                   | 65.13             | 0.00             | 3797.17                                |
| MW - 19 | 11/27/17      | 3862.30                     | -                   | 65.20             | 0.00             | 3797.10                                |
| MW - 19 | 01/08/18      | 3862.30                     | -                   | 65.28             | 0.00             | 3797.02                                |
| MW - 19 | 02/13/18      | 3862.30                     | -                   | 65.33             | 0.00             | 3796.97                                |
| MW - 19 | 04/30/18      | 3862.30                     | -                   | 65.45             | 0.00             | 3796.85                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 19 | 05/16/18      | 3862.30                     | -                   | 65.48             | 0.00             | 3796.82                                |
| MW - 19 | 07/05/18      | 3862.30                     | -                   | 65.58             | 0.00             | 3796.72                                |
| MW - 19 | 07/26/18      | 3862.30                     | -                   | 65.14             | 0.00             | 3797.16                                |
| MW - 19 | 08/15/18      | 3862.30                     | -                   | 65.64             | 0.00             | 3796.66                                |
| MW - 19 | 11/27/18      | 3862.30                     | -                   | 65.80             | 0.00             | 3796.50                                |
| MW - 19 | 12/27/18      | 3862.30                     | -                   | 65.85             | 0.00             | 3796.45                                |
| MW - 19 | 01/17/19      | 3862.30                     | -                   | 65.91             | 0.00             | 3796.39                                |
| MW - 19 | 02/20/19      | 3862.30                     | -                   | 65.95             | 0.00             | 3796.35                                |
| MW - 19 | 04/04/19      | 3862.30                     | -                   | 66.02             | 0.00             | 3796.28                                |
| MW - 19 | 05/29/19      | 3862.30                     | -                   | 66.09             | 0.00             | 3796.21                                |
| MW - 19 | 08/27/19      | 3862.30                     | -                   | 66.24             | 0.00             | 3796.06                                |
| MW - 19 | 10/29/19      | 3862.30                     | -                   | 66.37             | 0.00             | 3795.93                                |
| MW - 19 | 03/17/20      | 3862.30                     | -                   | 66.63             | 0.00             | 3795.67                                |
| MW - 19 | 05/13/20      | 3862.30                     | -                   | 66.72             | 0.00             | 3795.58                                |
| MW - 19 | 06/09/20      | 3862.30                     | -                   | 66.77             | 0.00             | 3795.53                                |
| MW - 19 | 07/16/20      | 3862.30                     | -                   | 66.81             | 0.00             | 3795.49                                |
| MW - 19 | 08/25/20      | 3862.30                     | -                   | 66.87             | 0.00             | 3795.43                                |
| MW - 19 | 12/17/20      | 3862.30                     | -                   | Dry               |                  |                                        |
| MW - 19 | 01/28/21      | 3862.30                     | -                   | 67.12             | 0.00             | 3795.18                                |
| MW - 19 | 03/24/21      | 3862.30                     | -                   | 67.22             | 0.00             | 3795.08                                |
| MW - 19 | 06/23/21      | 3862.30                     | -                   | -                 | 0.00             | -                                      |
| MW - 19 | 07/22/21      | 3862.30                     | -                   | 67.34             | 0.00             | 3794.96                                |
| MW - 19 | 09/10/21      | 3862.30                     | -                   | Dry               |                  |                                        |
| MW - 19 | 10/26/21      | 3862.30                     | -                   | 67.37             |                  |                                        |
| MW - 19 | 12/15/21      | 3862.30                     | -                   | Dry               |                  |                                        |
| MW - 19 | 02/10/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 19 | 05/02/22      | 3862.30                     | -                   | 67.48             | 0.00             | Dry                                    |
| MW - 19 | 08/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 19 | 10/27/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
|         |               |                             |                     |                   |                  |                                        |
| MW - 20 | 03/24/00      | 3861.30                     | -                   | 59.13             | 0.00             | 3802.17                                |
| MW - 20 | 06/14/00      | 3861.30                     | -                   | 59.54             | 0.00             | 3801.76                                |
| MW - 20 | 09/22/00      | 3861.30                     | -                   | 58.84             | 0.00             | 3802.46                                |
| MW - 20 | 12/28/00      | 3861.30                     | -                   | 59.01             | 0.00             | 3802.29                                |
| MW - 20 | 03/14/01      | 3861.30                     | -                   | 59.11             | 0.00             | 3802.19                                |
| MW - 20 | 06/06/01      | 3861.30                     | -                   | 59.20             | 0.00             | 3802.10                                |
| MW - 20 | 09/28/01      | 3861.30                     | -                   | 59.34             | 0.00             | 3801.96                                |
| MW - 20 | 11/17/01      | 3861.30                     | -                   | 59.53             | 0.00             | 3801.77                                |
| MW - 20 | 03/26/02      | 3861.30                     | -                   | 59.80             | 0.00             | 3801.50                                |
| MW - 20 | 06/26/02      | 3861.30                     | -                   | 59.75             | 0.00             | 3801.55                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING WELL ELEVATION | DEPTH TO PRODUCT | DEPTH TO WATER | PSH THICKNESS | CORRECTED GROUND WATER ELEVATION |
|---------|---------------|-----------------------|------------------|----------------|---------------|----------------------------------|
| MW - 20 | 09/25/02      | 3861.30               | -                | 59.91          | 0.00          | 3801.39                          |
| MW - 20 | 12/10/02      | 3861.30               | -                | 59.92          | 0.00          | 3801.38                          |
| MW - 20 | 03/10/03      | 3861.30               | -                | 59.98          | 0.00          | 3801.32                          |
| MW - 20 | 06/09/03      | 3861.30               | -                | 60.09          | 0.00          | 3801.21                          |
| MW - 20 | 09/03/03      | 3861.30               | -                | 60.19          | 0.00          | 3801.11                          |
| MW - 20 | 12/08/03      | 3861.30               | -                | 60.30          | 0.00          | 3801.00                          |
| MW - 20 | 03/01/04      | 3861.30               | -                | 60.41          | 0.00          | 3800.89                          |
| MW - 20 | 05/19/04      | 3861.30               | -                | 60.35          | 0.00          | 3800.95                          |
| MW - 20 | 08/26/04      | 3861.30               | -                | 60.52          | 0.00          | 3800.78                          |
| MW - 20 | 12/09/04      | 3861.30               | -                | 59.39          | 0.00          | 3801.91                          |
| MW - 20 | 03/17/05      | 3861.30               | -                | 59.35          | 0.00          | 3801.95                          |
| MW - 20 | 06/15/05      | 3861.30               | -                | 59.59          | 0.00          | 3801.71                          |
| MW - 20 | 09/14/05      | PLUGGED & ABANDONED   |                  |                |               |                                  |
|         |               |                       |                  |                |               |                                  |
| MW - 21 | 03/24/00      | 3862.30               | -                | 59.25          | 0.00          | 3803.05                          |
| MW - 21 | 06/14/00      | 3862.30               | -                | 59.70          | 0.00          | 3802.60                          |
| MW - 21 | 09/22/00      | 3862.30               | -                | 58.84          | 0.00          | 3803.46                          |
| MW - 21 | 12/28/00      | 3862.30               | -                | 59.06          | 0.00          | 3803.24                          |
| MW - 21 | 03/14/01      | 3862.30               | -                | 59.16          | 0.00          | 3803.14                          |
| MW - 21 | 06/06/01      | 3862.30               | -                | 59.29          | 0.00          | 3803.01                          |
| MW - 21 | 09/28/01      | 3862.30               | -                | 59.40          | 0.00          | 3802.90                          |
| MW - 21 | 11/17/01      | 3862.30               | -                | 59.60          | 0.00          | 3802.70                          |
| MW - 21 | 03/26/02      | 3862.30               | -                | 59.89          | 0.00          | 3802.41                          |
| MW - 21 | 06/26/02      | 3862.30               | -                | 59.83          | 0.00          | 3802.47                          |
| MW - 21 | 09/25/02      | 3862.30               | -                | 60.01          | 0.00          | 3802.29                          |
| MW - 21 | 12/10/02      | 3862.30               | -                | 60.02          | 0.00          | 3802.28                          |
| MW - 21 | 03/10/03      | 3862.30               | -                | 60.09          | 0.00          | 3802.21                          |
| MW - 21 | 06/09/03      | 3862.30               | -                | 60.19          | 0.00          | 3802.11                          |
| MW - 21 | 09/03/03      | 3862.30               | -                | 60.27          | 0.00          | 3802.03                          |
| MW - 21 | 12/08/03      | 3862.30               | -                | 60.39          | 0.00          | 3801.91                          |
| MW - 21 | 03/01/04      | 3862.30               | -                | 60.51          | 0.00          | 3801.79                          |
| MW - 21 | 05/19/04      | 3862.30               | -                | 60.35          | 0.00          | 3801.95                          |
| MW - 21 | 08/26/04      | 3862.30               | -                | 60.59          | 0.00          | 3801.71                          |
| MW - 21 | 12/09/04      | 3862.30               | -                | 59.23          | 0.00          | 3803.07                          |
| MW - 21 | 03/17/05      | 3862.30               | -                | 59.33          | 0.00          | 3802.97                          |
| MW - 21 | 06/15/05      | 3862.30               | -                | 59.63          | 0.00          | 3802.67                          |
| MW - 21 | 09/14/05      | 3862.30               | -                | 59.88          | 0.00          | 3802.42                          |
| MW - 21 | 12/13/05      | 3862.30               | -                | 60.17          | 0.00          | 3802.13                          |
| MW - 21 | 03/15/06      | 3862.30               | -                | 60.37          | 0.00          | 3801.93                          |
| MW - 21 | 06/14/06      | 3862.30               | -                | 60.56          | 0.00          | 3801.74                          |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 21 | 09/13/06      | 3862.30                     | -                   | 60.69             | 0.00             | 3801.61                                |
| MW - 21 | 03/01/07      | 3862.30                     | -                   | 60.87             | 0.00             | 3801.43                                |
| MW - 21 | 05/24/07      | 3862.30                     | -                   | 60.96             | 0.00             | 3801.34                                |
| MW - 21 | 08/23/07      | 3862.30                     | -                   | 61.04             | 0.00             | 3801.26                                |
| MW - 21 | 11/08/07      | 3862.30                     | -                   | 61.10             | 0.00             | 3801.20                                |
| MW - 21 | 03/04/08      | 3862.30                     | -                   | 61.20             | 0.00             | 3801.10                                |
| MW - 21 | 06/11/08      | 3862.30                     | -                   | 61.28             | 0.00             | 3801.02                                |
| MW - 21 | 09/09/08      | 3862.30                     | -                   | 61.43             | 0.00             | 3800.87                                |
| MW - 21 | 12/11/08      | 3862.30                     | -                   | 61.54             | 0.00             | 3800.76                                |
| MW - 21 | 02/27/09      | 3862.30                     | -                   | 61.59             | 0.00             | 3800.71                                |
| MW - 21 | 05/21/09      | 3862.30                     | -                   | 61.69             | 0.00             | 3800.61                                |
| MW - 21 | 08/18/09      | 3862.30                     | -                   | 61.64             | 0.00             | 3800.66                                |
| MW - 21 | 12/09/09      | 3862.30                     | -                   | 61.75             | 0.00             | 3800.55                                |
| MW - 21 | 01/06/10      | 3862.30                     | -                   | 61.77             | 0.00             | 3800.53                                |
| MW - 21 | 02/22/10      | 3862.30                     | -                   | 61.82             | 0.00             | 3800.48                                |
| MW - 21 | 06/04/10      | 3862.30                     | -                   | 61.92             | 0.00             | 3800.38                                |
| MW - 21 | 08/26/10      | 3862.30                     | -                   | 61.91             | 0.00             | 3800.39                                |
| MW - 21 | 11/30/10      | 3862.30                     | -                   | 61.75             | 0.00             | 3800.55                                |
| MW - 21 | 03/08/11      | 3862.30                     | -                   | 61.78             | 0.00             | 3800.52                                |
| MW - 21 | 05/25/11      | 3862.30                     | -                   | 61.79             | 0.00             | 3800.51                                |
| MW - 21 | 08/18/11      | 3862.30                     | -                   | 62.16             | 0.00             | 3800.14                                |
| MW - 21 | 11/15/11      | 3862.30                     | -                   | 62.13             | 0.00             | 3800.17                                |
| MW - 21 | 02/29/12      | 3862.30                     | -                   | 62.33             | 0.00             | 3799.97                                |
| MW - 21 | 05/01/12      | 3862.30                     | -                   | 62.39             | 0.00             | 3799.91                                |
| MW - 21 | 08/10/12      | 3862.30                     | -                   | 62.74             | 0.00             | 3799.56                                |
| MW - 21 | 11/27/12      | 3862.30                     | -                   | 62.63             | 0.00             | 3799.67                                |
| MW - 21 | 02/21/13      | 3862.30                     | -                   | 62.74             | 0.00             | 3799.56                                |
| MW - 21 | 05/15/13      | 3862.30                     | -                   | 62.80             | 0.00             | 3799.50                                |
| MW - 21 | 08/20/13      | 3862.30                     | -                   | 62.90             | 0.00             | 3799.40                                |
| MW - 21 | 11/11/13      | 3862.30                     | -                   | 62.97             | 0.00             | 3799.33                                |
| MW - 21 | 02/19/14      | 3862.30                     | -                   | 63.05             | 0.00             | 3799.25                                |
| MW - 21 | 05/20/14      | 3862.30                     | -                   | 63.14             | 0.00             | 3799.16                                |
| MW - 21 | 07/29/14      | 3862.30                     | -                   | 63.20             | 0.00             | 3799.10                                |
| MW - 21 | 08/19/14      | 3862.30                     | -                   | 63.21             | 0.00             | 3799.09                                |
| MW - 21 | 10/30/14      | 3862.30                     | -                   | 63.18             | 0.00             | 3799.12                                |
| MW - 21 | 11/24/14      | 3862.30                     | -                   | 63.23             | 0.00             | 3799.07                                |
| MW - 21 | 02/10/15      | 3862.30                     | -                   | 63.31             | 0.00             | 3798.99                                |
| MW - 21 | 03/11/15      | 3862.30                     | -                   | 63.34             | 0.00             | 3798.96                                |
| MW - 21 | 04/17/15      | 3862.30                     | -                   | 63.36             | 0.00             | 3798.94                                |
| MW - 21 | 05/19/15      | 3862.30                     | -                   | 63.39             | 0.00             | 3798.91                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 21 | 07/31/15      | 3862.30                     | -                   | 63.49             | 0.00             | 3798.81                                |
| MW - 21 | 08/12/15      | 3862.30                     | -                   | 63.50             | 0.00             | 3798.80                                |
| MW - 21 | 09/11/15      | 3862.30                     | -                   | 63.54             | 0.00             | 3798.76                                |
| MW - 21 | 11/10/15      | 3862.30                     | -                   | 63.58             | 0.00             | 3798.72                                |
| MW - 21 | 02/02/16      | 3862.30                     | -                   | 64.67             | 0.00             | 3797.63                                |
| MW - 21 | 04/28/16      | 3862.30                     | -                   | 63.73             | 0.00             | 3798.57                                |
| MW - 21 | 05/10/16      | 3862.30                     | -                   | 63.75             | 0.00             | 3798.55                                |
| MW - 21 | 07/01/16      | 3862.30                     | -                   | 63.81             | 0.00             | 3798.49                                |
| MW - 21 | 07/29/16      | 3862.30                     | -                   | 63.85             | 0.00             | 3798.45                                |
| MW - 21 | 08/08/16      | 3862.30                     | -                   | 63.84             | 0.00             | 3798.46                                |
| MW - 21 | 09/15/16      | 3862.30                     | -                   | 63.89             | 0.00             | 3798.41                                |
| MW - 21 | 11/15/16      | 3862.30                     | -                   | 63.98             | 0.00             | 3798.32                                |
| MW - 21 | 12/14/16      | 3862.30                     | -                   | 64.05             | 0.00             | 3798.25                                |
| MW - 21 | 01/20/17      | 3862.30                     | -                   | 64.08             | 0.00             | 3798.22                                |
| MW - 21 | 02/21/17      | 3862.30                     | -                   | 64.11             | 0.00             | 3798.19                                |
| MW - 21 | 05/16/17      | 3862.30                     | -                   | 64.24             | 0.00             | 3798.06                                |
| MW - 21 | 06/09/17      | 3862.30                     | -                   | 64.28             | 0.00             | 3798.02                                |
| MW - 21 | 07/26/17      | 3862.30                     | -                   | 64.23             | 0.00             | 3798.07                                |
| MW - 21 | 08/22/17      | 3862.30                     | -                   | 64.39             | 0.00             | 3797.91                                |
| MW - 21 | 10/10/17      | 3862.30                     | -                   | 64.49             | 0.00             | 3797.81                                |
| MW - 21 | 11/28/17      | 3862.30                     | -                   | 64.27             | 0.00             | 3798.03                                |
| MW - 21 | 01/08/18      | 3862.30                     | -                   | 64.62             | 0.00             | 3797.68                                |
| MW - 21 | 02/13/18      | 3862.30                     | -                   | 64.66             | 0.00             | 3797.64                                |
| MW - 21 | 04/30/18      | 3862.30                     | -                   | 64.78             | 0.00             | 3797.52                                |
| MW - 21 | 05/16/18      | 3862.30                     | -                   | 64.80             | 0.00             | 3797.50                                |
| MW - 21 | 07/05/18      | 3862.30                     | -                   | 64.89             | 0.00             | 3797.41                                |
| MW - 21 | 07/26/18      | 3862.30                     | -                   | 64.93             | 0.00             | 3797.37                                |
| MW - 21 | 08/15/18      | 3862.30                     | -                   | 64.94             | 0.00             | 3797.36                                |
| MW - 21 | 11/27/18      | 3862.30                     | -                   | 65.06             | 0.00             | 3797.24                                |
| MW - 21 | 12/27/18      | 3862.30                     | -                   | 65.12             | 0.00             | 3797.18                                |
| MW - 21 | 01/17/19      | 3862.30                     | -                   | 65.15             | 0.00             | 3797.15                                |
| MW - 21 | 02/20/19      | 3862.30                     | -                   | 65.18             | 0.00             | 3797.12                                |
| MW - 21 | 04/04/19      | 3862.30                     | -                   | 66.27             | 0.00             | 3796.03                                |
| MW - 21 | 05/29/19      | 3862.30                     | -                   | 65.30             | 0.00             | 3797.00                                |
| MW - 21 | 08/27/19      | 3862.30                     | -                   | 65.45             | 0.00             | 3796.85                                |
| MW - 21 | 10/29/19      | 3862.30                     | -                   | 65.58             | 0.00             | 3796.72                                |
| MW - 21 | 03/17/20      | 3862.30                     | -                   | 65.85             | 0.00             | 3796.45                                |
| MW - 21 | 05/13/20      | 3862.30                     | -                   | 65.95             | 0.00             | 3796.35                                |
| MW - 21 | 06/09/20      | 3862.30                     | -                   | 65.99             | 0.00             | 3796.31                                |
| MW - 21 | 07/16/20      | 3862.30                     | -                   | 66.04             | 0.00             | 3796.26                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 21 | 08/25/20      | 3862.30                     | -                   | 66.10             | 0.00             | 3796.20                                |
| MW - 21 | 12/17/20      | 3862.30                     | -                   | Dry               |                  |                                        |
| MW - 21 | 01/28/21      | 3862.30                     | -                   | 66.32             |                  | 3795.98                                |
| MW - 21 | 03/24/21      | 3862.30                     | -                   | 66.41             |                  | -                                      |
| MW - 21 | 06/23/21      | 3862.30                     | -                   | 66.54             |                  | -                                      |
| MW - 21 | 07/22/21      | 3862.30                     | -                   | 66.57             |                  | -                                      |
| MW - 21 | 09/10/21      | 3862.30                     | -                   | Dry               |                  | -                                      |
| MW - 21 | 10/26/21      | 3862.30                     | -                   | 66.51             |                  | -                                      |
| MW - 21 | 12/15/21      | 3862.30                     | -                   | Dry               |                  | -                                      |
| MW - 21 | 02/10/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 05/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 08/02/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 21 | 10/27/22      | 3862.30                     | -                   | Dry               | 0.00             | Dry                                    |
|         |               |                             |                     |                   |                  |                                        |
| MW - 22 | 03/24/00      | 3864.01                     | -                   | 57.55             | 0.00             | 3806.46                                |
| MW - 22 | 06/14/00      | 3864.01                     | -                   | 57.93             | 0.00             | 3806.08                                |
| MW - 22 | 09/22/00      | 3864.01                     | -                   | 57.13             | 0.00             | 3806.88                                |
| MW - 22 | 12/28/00      | 3864.01                     | -                   | 57.37             | 0.00             | 3806.64                                |
| MW - 22 | 03/14/01      | 3864.01                     | -                   | 57.50             | 0.00             | 3806.51                                |
| MW - 22 | 06/06/01      | 3864.01                     | -                   | 57.55             | 0.00             | 3806.46                                |
| MW - 22 | 09/28/01      | 3864.01                     | -                   | 57.75             | 0.00             | 3806.26                                |
| MW - 22 | 11/17/01      | 3864.01                     | -                   | 57.94             | 0.00             | 3806.07                                |
| MW - 22 | 03/26/02      | 3864.01                     | -                   | 58.20             | 0.00             | 3805.81                                |
| MW - 22 | 06/26/02      | 3864.01                     | -                   | 58.22             | 0.00             | 3805.79                                |
| MW - 22 | 09/25/02      | 3864.01                     | -                   | 58.31             | 0.00             | 3805.70                                |
| MW - 22 | 12/09/02      | 3864.01                     | -                   | 58.34             | 0.00             | 3805.67                                |
| MW - 22 | 03/10/03      | 3864.01                     | -                   | 58.39             | 0.00             | 3805.62                                |
| MW - 22 | 06/09/03      | 3864.01                     | -                   | 58.53             | 0.00             | 3805.48                                |
| MW - 22 | 09/03/03      | 3864.01                     | -                   | 58.65             | 0.00             | 3805.36                                |
| MW - 22 | 12/08/03      | 3864.01                     | -                   | 58.75             | 0.00             | 3805.26                                |
| MW - 22 | 03/01/04      | 3864.01                     | -                   | 58.90             | 0.00             | 3805.11                                |
| MW - 22 | 05/19/04      | 3864.01                     | -                   | 58.81             | 0.00             | 3805.20                                |
| MW - 22 | 08/26/04      | 3864.01                     | -                   | 59.00             | 0.00             | 3805.01                                |
| MW - 22 | 12/09/04      | 3864.01                     | -                   | 57.70             | 0.00             | 3806.31                                |
| MW - 22 | 03/17/05      | 3864.01                     | -                   | 57.60             | 0.00             | 3806.41                                |
| MW - 22 | 06/15/05      | 3864.01                     | -                   | 57.92             | 0.00             | 3806.09                                |
| MW - 22 | 09/14/05      | PLUGGED & ABANDONED         |                     |                   |                  |                                        |
|         |               |                             |                     |                   |                  |                                        |
| MW - 23 | 03/24/00      | 3862.44                     | -                   | 56.34             | 0.00             | 3806.10                                |
| MW - 23 | 06/14/00      | 3862.44                     | -                   | 56.58             | 0.00             | 3805.86                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 23 | 09/22/00      | 3862.44                     | -                   | 56.20             | 0.00             | 3806.24                                |
| MW - 23 | 12/28/00      | 3862.44                     | -                   | 56.32             | 0.00             | 3806.12                                |
| MW - 23 | 03/14/01      | 3862.44                     | -                   | 56.83             | 0.00             | 3805.61                                |
| MW - 23 | 06/06/01      | 3862.44                     | -                   | 56.50             | 0.00             | 3805.94                                |
| MW - 23 | 09/28/01      | 3862.44                     | -                   | 56.56             | 0.00             | 3805.88                                |
| MW - 23 | 11/17/01      | 3862.44                     | -                   | 56.79             | 0.00             | 3805.65                                |
| MW - 23 | 03/26/02      | 3862.44                     | -                   | 57.00             | 0.00             | 3805.44                                |
| MW - 23 | 06/26/02      | 3862.44                     | -                   | 57.07             | 0.00             | 3805.37                                |
| MW - 23 | 09/25/02      | 3862.44                     | -                   | 57.23             | 0.00             | 3805.21                                |
| MW - 23 | 12/09/02      | 3862.44                     | -                   | 57.25             | 0.00             | 3805.19                                |
| MW - 23 | 03/10/03      | 3862.44                     | -                   | 57.34             | 0.00             | 3805.10                                |
| MW - 23 | 06/09/03      | 3862.44                     | -                   | 57.45             | 0.00             | 3804.99                                |
| MW - 23 | 09/03/03      | 3862.44                     | -                   | 57.57             | 0.00             | 3804.87                                |
| MW - 23 | 12/08/03      | 3862.44                     | -                   | 57.70             | 0.00             | 3804.74                                |
| MW - 23 | 03/01/04      | 3862.44                     | -                   | 57.84             | 0.00             | 3804.60                                |
| MW - 23 | 05/19/04      | 3862.44                     | -                   | 57.91             | 0.00             | 3804.53                                |
| MW - 23 | 08/26/04      | 3862.44                     | -                   | 58.04             | 0.00             | 3804.40                                |
| MW - 23 | 12/09/04      | 3862.44                     | -                   | 57.00             | 0.00             | 3805.44                                |
| MW - 23 | 03/17/05      | 3862.44                     | -                   | 56.70             | 0.00             | 3805.74                                |
| MW - 23 | 06/15/05      | 3862.44                     | -                   | 56.96             | 0.00             | 3805.48                                |
| MW - 23 | 09/14/05      | 3862.44                     | -                   | 57.26             | 0.00             | 3805.18                                |
| MW - 23 | 12/13/05      | 3862.44                     | -                   | 57.60             | 0.00             | 3804.84                                |
| MW - 23 | 03/15/06      | 3862.44                     | -                   | 57.81             | 0.00             | 3804.63                                |
| MW - 23 | 06/14/06      | 3862.44                     | -                   | 57.99             | 0.00             | 3804.45                                |
| MW - 23 | 09/13/06      | 3862.44                     | -                   | 58.12             | 0.00             | 3804.32                                |
| MW - 23 | 12/05/06      | 3862.44                     | -                   | 58.22             | 0.00             | 3804.22                                |
| MW - 23 | 03/01/07      | 3862.44                     | -                   | 58.32             | 0.00             | 3804.12                                |
| MW - 23 | 05/24/07      | 3862.44                     | -                   | 58.41             | 0.00             | 3804.03                                |
| MW - 23 | 08/23/07      | 3862.44                     | -                   | 58.45             | 0.00             | 3803.99                                |
| MW - 23 | 11/08/07      | 3862.44                     | -                   | 58.54             | 0.00             | 3803.90                                |
| MW - 23 | 03/04/08      | 3862.44                     | -                   | 58.65             | 0.00             | 3803.79                                |
| MW - 23 | 06/11/08      | 3862.44                     | -                   | 58.76             | 0.00             | 3803.68                                |
| MW - 23 | 09/09/08      | 3862.44                     | -                   | 58.93             | 0.00             | 3803.51                                |
| MW - 23 | 12/11/08      | 3862.44                     | -                   | 59.03             | 0.00             | 3803.41                                |
| MW - 23 | 02/26/09      | 3862.44                     | -                   | 59.12             | 0.00             | 3803.32                                |
| MW - 23 | 05/21/09      | 3862.44                     | -                   | 59.75             | 0.00             | 3802.69                                |
| MW - 23 | 08/18/09      | 3862.44                     | -                   | 59.28             | 0.00             | 3803.16                                |
| MW - 23 | 12/09/09      | 3862.44                     | -                   | 59.37             | 0.00             | 3803.07                                |
| MW - 23 | 01/06/10      | 3862.44                     | -                   | 59.39             | 0.00             | 3803.05                                |
| MW - 23 | 02/22/10      | 3862.44                     | -                   | 59.41             | 0.00             | 3803.03                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 23 | 06/04/10      | 3862.44                     | -                   | 59.51             | 0.00             | 3802.93                                |
| MW - 23 | 08/26/10      | 3862.44                     | -                   | 59.53             | 0.00             | 3802.91                                |
| MW - 23 | 11/30/10      | 3862.44                     | -                   | 59.37             | 0.00             | 3803.07                                |
| MW - 23 | 03/08/11      | 3862.44                     | -                   | 59.35             | 0.00             | 3803.09                                |
| MW - 23 | 05/25/11      | 3862.44                     | -                   | 59.35             | 0.00             | 3803.09                                |
| MW - 23 | 08/18/11      | 3862.44                     | -                   | 59.71             | 0.00             | 3802.73                                |
| MW - 23 | 11/15/11      | 3862.44                     | -                   | 59.75             | 0.00             | 3802.69                                |
| MW - 23 | 02/29/12      | 3862.44                     | -                   | 59.89             | 0.00             | 3802.55                                |
| MW - 23 | 05/01/12      | 3862.44                     | -                   | 59.96             | 0.00             | 3802.48                                |
| MW - 23 | 08/10/12      | 3862.44                     | -                   | 60.31             | 0.00             | 3802.13                                |
| MW - 23 | 11/27/12      | 3862.44                     | -                   | 60.18             | 0.00             | 3802.26                                |
| MW - 23 | 02/21/13      | 3862.44                     | -                   | 60.28             | 0.00             | 3802.16                                |
| MW - 23 | 05/15/13      | 3862.44                     | -                   | 60.35             | 0.00             | 3802.09                                |
| MW - 23 | 08/20/13      | 3862.44                     | -                   | 60.45             | 0.00             | 3801.99                                |
| MW - 23 | 11/11/13      | 3862.44                     | -                   | 60.53             | 0.00             | 3801.91                                |
| MW - 23 | 02/19/14      | 3862.44                     | -                   | 60.60             | 0.00             | 3801.84                                |
| MW - 23 | 05/20/14      | 3862.44                     | -                   | 60.67             | 0.00             | 3801.77                                |
| MW - 23 | 07/29/14      | 3862.44                     | -                   | 60.73             | 0.00             | 3801.71                                |
| MW - 23 | 08/19/14      | 3862.44                     | -                   | 60.75             | 0.00             | 3801.69                                |
| MW - 23 | 10/30/14      | 3862.44                     | -                   | 60.82             | 0.00             | 3801.62                                |
| MW - 23 | 11/24/14      | 3862.44                     | -                   | 60.83             | 0.00             | 3801.61                                |
| MW - 23 | 02/10/15      | 3862.44                     | -                   | 60.88             | 0.00             | 3801.56                                |
| MW - 23 | 03/11/15      | 3862.44                     | -                   | 60.94             | 0.00             | 3801.50                                |
| MW - 23 | 04/17/15      | 3862.44                     | -                   | 60.97             | 0.00             | 3801.47                                |
| MW - 23 | 05/19/15      | 3862.44                     | -                   | 61.00             | 0.00             | 3801.44                                |
| MW - 23 | 07/31/15      | 3862.44                     | -                   | 61.09             | 0.00             | 3801.35                                |
| MW - 23 | 08/12/15      | 3862.44                     | -                   | 61.09             | 0.00             | 3801.35                                |
| MW - 23 | 09/11/15      | 3862.44                     | -                   | 61.14             | 0.00             | 3801.30                                |
| MW - 23 | 11/10/15      | 3862.44                     | -                   | 61.16             | 0.00             | 3801.28                                |
| MW - 23 | 02/02/16      | 3862.44                     | -                   | 61.25             | 0.00             | 3801.19                                |
| MW - 23 | 04/28/16      | 3862.44                     | -                   | 61.31             | 0.00             | 3801.13                                |
| MW - 23 | 05/10/16      | 3862.44                     | -                   | 61.35             | 0.00             | 3801.09                                |
| MW - 23 | 07/01/16      | 3862.44                     | -                   | 61.43             | 0.00             | 3801.01                                |
| MW - 23 | 07/29/16      | 3862.44                     | -                   | 61.49             | 0.00             | 3800.95                                |
| MW - 23 | 08/08/16      | 3862.44                     | -                   | 61.49             | 0.00             | 3800.95                                |
| MW - 23 | 11/15/16      | 3862.44                     | -                   | 61.68             | 0.00             | 3800.76                                |
| MW - 23 | 12/14/16      | 3862.44                     | -                   | 61.72             | 0.00             | 3800.72                                |
| MW - 23 | 01/20/17      | 3862.44                     | -                   | 61.78             | 0.00             | 3800.66                                |
| MW - 23 | 02/21/17      | 3862.44                     | -                   | 61.79             | 0.00             | 3800.65                                |
| MW - 23 | 05/16/17      | 3862.44                     | -                   | 61.90             | 0.00             | 3800.54                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 23 | 06/09/17      | 3862.44                     | -                   | 61.93             | 0.00             | 3800.51                                |
| MW - 23 | 07/26/17      | 3862.44                     | -                   | 61.91             | 0.00             | 3800.53                                |
| MW - 23 | 08/22/17      | 3862.44                     | -                   | 62.00             | 0.00             | 3800.44                                |
| MW - 23 | 10/10/17      | 3862.44                     | -                   | 62.11             | 0.00             | 3800.33                                |
| MW - 23 | 11/28/17      | 3862.44                     | -                   | 62.20             | 0.00             | 3800.24                                |
| MW - 23 | 01/08/18      | 3862.44                     | -                   | 62.23             | 0.00             | 3800.21                                |
| MW - 23 | 02/13/18      | 3862.44                     | -                   | 62.26             | 0.00             | 3800.18                                |
| MW - 23 | 04/30/18      | 3862.44                     | -                   | 62.39             | 0.00             | 3800.05                                |
| MW - 23 | 05/16/18      | 3862.44                     | -                   | 62.41             | 0.00             | 3800.03                                |
| MW - 23 | 07/05/18      | 3862.44                     | -                   | 62.44             | 0.00             | 3800.00                                |
| MW - 23 | 07/26/18      | 3862.44                     | -                   | 62.51             | 0.00             | 3799.93                                |
| MW - 23 | 08/15/18      | 3862.44                     | -                   | 62.51             | 0.00             | 3799.93                                |
| MW - 23 | 11/27/18      | 3862.44                     | -                   | 62.57             | 0.00             | 3799.87                                |
| MW - 23 | 12/27/18      | 3862.44                     | -                   | 62.62             | 0.00             | 3799.82                                |
| MW - 23 | 01/17/19      | 3862.44                     | -                   | 62.64             | 0.00             | 3799.80                                |
| MW - 23 | 02/20/19      | 3862.44                     | -                   | 62.65             | 0.00             | 3799.79                                |
| MW - 23 | 04/04/19      | 3862.44                     | -                   | 62.73             | 0.00             | 3799.71                                |
| MW - 23 | 05/29/19      | 3862.44                     | -                   | 62.80             | 0.00             | 3799.64                                |
| MW - 23 | 08/27/19      | 3862.44                     | -                   | 62.96             | 0.00             | 3799.48                                |
| MW - 23 | 10/29/19      | 3862.44                     | -                   | 63.11             | 0.00             | 3799.33                                |
| MW - 23 | 03/17/20      | 3862.44                     | -                   | 63.36             | 0.00             | 3799.08                                |
| MW - 23 | 05/13/20      | 3862.44                     | -                   | 63.44             | 0.00             | 3799.00                                |
| MW - 23 | 06/09/20      | 3862.44                     | -                   | 63.50             | 0.00             | 3798.94                                |
| MW - 23 | 07/16/20      | 3862.44                     | -                   | 63.53             | 0.00             | 3798.91                                |
| MW - 23 | 08/25/20      | 3862.44                     | -                   | 63.59             | 0.00             | 3798.85                                |
| MW - 23 | 12/17/20      | 3862.44                     | -                   | 63.75             | 0.00             | 3798.69                                |
| MW - 23 | 01/28/21      | 3862.44                     | -                   | 63.80             | 0.00             | 3798.64                                |
| MW - 23 | 03/22/21      | 3862.44                     | -                   | 63.89             | 0.00             | 3798.55                                |
| MW - 23 | 06/21/21      | 3862.44                     | -                   | 64.02             | 0.00             | 3798.42                                |
| MW - 23 | 07/22/21      | 3862.44                     | -                   | 64.04             | 0.00             | 3798.40                                |
| MW - 23 | 09/09/21      | 3862.44                     | -                   | 64.08             | 0.00             | 3798.36                                |
| MW - 23 | 10/26/21      | 3862.44                     | -                   | 64.10             | 0.00             | 3798.34                                |
| MW - 23 | 12/15/21      | 3862.44                     | -                   | 64.20             | 0.00             | 3798.24                                |
| MW - 23 | 02/09/22      | 3862.44                     | -                   | 64.23             | 0.00             | 3798.21                                |
| MW - 23 | 05/02/22      | 3862.44                     | -                   | 64.35             | 0.00             | 3798.09                                |
| MW - 23 | 08/01/22      | 3862.44                     | -                   | 64.47             | 0.00             | 3797.97                                |
| MW - 23 | 10/26/22      | 3862.44                     | -                   | 64.59             | 0.00             | 3797.85                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 24 | 03/24/00      | 3864.36                     | -                   | 57.31             | 0.00             | 3807.05                                |
| MW - 24 | 06/14/00      | 3864.36                     | -                   | 57.59             | 0.00             | 3806.77                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 24 | 09/22/00      | 3864.36                     | -                   | 57.09             | 0.00             | 3807.27                                |
| MW - 24 | 12/28/00      | 3864.36                     | -                   | 57.23             | 0.00             | 3807.13                                |
| MW - 24 | 03/14/01      | 3864.36                     | -                   | 57.30             | 0.00             | 3807.06                                |
| MW - 24 | 06/06/01      | 3864.36                     | -                   | 57.38             | 0.00             | 3806.98                                |
| MW - 24 | 09/28/01      | 3864.36                     | -                   | 57.58             | 0.00             | 3806.78                                |
| MW - 24 | 11/17/01      | 3864.36                     | -                   | 57.75             | 0.00             | 3806.61                                |
| MW - 24 | 03/26/02      | 3864.36                     | -                   | 57.94             | 0.00             | 3806.42                                |
| MW - 24 | 06/26/02      | 3864.36                     | -                   | 57.98             | 0.00             | 3806.38                                |
| MW - 24 | 09/25/02      | 3864.36                     | -                   | 58.14             | 0.00             | 3806.22                                |
| MW - 24 | 12/09/02      | 3864.36                     | -                   | 58.16             | 0.00             | 3806.20                                |
| MW - 24 | 03/10/03      | 3864.36                     | -                   | 58.22             | 0.00             | 3806.14                                |
| MW - 24 | 06/09/03      | 3864.36                     | -                   | 58.32             | 0.00             | 3806.04                                |
| MW - 24 | 09/03/03      | 3864.36                     | -                   | 58.49             | 0.00             | 3805.87                                |
| MW - 24 | 12/08/03      | 3864.36                     | -                   | 58.61             | 0.00             | 3805.75                                |
| MW - 24 | 03/01/04      | 3864.36                     | -                   | 58.77             | 0.00             | 3805.59                                |
| MW - 24 | 05/19/04      | 3864.36                     | -                   | 58.80             | 0.00             | 3805.56                                |
| MW - 24 | 08/26/04      | 3864.36                     | -                   | 58.95             | 0.00             | 3805.41                                |
| MW - 24 | 12/09/04      | 3864.36                     | -                   | 57.90             | 0.00             | 3806.46                                |
| MW - 24 | 03/17/05      | 3864.36                     | -                   | 57.57             | 0.00             | 3806.79                                |
| MW - 24 | 06/15/05      | 3864.36                     | -                   | 57.80             | 0.00             | 3806.56                                |
| MW - 24 | 09/15/05      | 3864.36                     | -                   | 58.18             | 0.00             | 3806.18                                |
| MW - 24 | 12/13/05      | 3864.36                     | -                   | 58.47             | 0.00             | 3805.89                                |
| MW - 24 | 03/15/06      | 3864.36                     | -                   | 58.70             | 0.00             | 3805.66                                |
| MW - 24 | 06/14/06      | 3864.36                     | -                   | 58.86             | 0.00             | 3805.50                                |
| MW - 24 | 09/13/06      | 3864.36                     | -                   | 58.99             | 0.00             | 3805.37                                |
| MW - 24 | 12/06/06      | 3864.36                     | -                   | 59.13             | 0.00             | 3805.23                                |
| MW - 24 | 03/01/07      | 3864.36                     | -                   | 59.18             | 0.00             | 3805.18                                |
| MW - 24 | 05/24/07      | 3864.36                     | -                   | 59.31             | 0.00             | 3805.05                                |
| MW - 24 | 08/23/07      | 3864.36                     | -                   | 59.35             | 0.00             | 3805.01                                |
| MW - 24 | 11/08/07      | 3864.36                     | -                   | 59.42             | 0.00             | 3804.94                                |
| MW - 24 | 03/04/08      | 3864.36                     | -                   | 59.52             | 0.00             | 3804.84                                |
| MW - 24 | 06/11/08      | 3864.36                     | -                   | 59.67             | 0.00             | 3804.69                                |
| MW - 24 | 09/09/08      | 3864.36                     | -                   | 59.79             | 0.00             | 3804.57                                |
| MW - 24 | 12/11/08      | 3864.36                     | -                   | 59.32             | 0.00             | 3805.04                                |
| MW - 24 | 02/26/09      | 3864.36                     | -                   | 60.00             | 0.00             | 3804.36                                |
| MW - 24 | 05/21/09      | 3864.36                     | -                   | 60.06             | 0.00             | 3804.30                                |
| MW - 24 | 08/18/09      | 3864.36                     | -                   | 60.16             | 0.00             | 3804.20                                |
| MW - 24 | 12/09/09      | 3864.36                     | -                   | 60.25             | 0.00             | 3804.11                                |
| MW - 24 | 01/06/10      | 3864.36                     | -                   | 60.23             | 0.00             | 3804.13                                |
| MW - 24 | 02/22/10      | 3864.36                     | -                   | 60.30             | 0.00             | 3804.06                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 24 | 06/04/10      | 3864.36                     | -                   | 60.43             | 0.00             | 3803.93                                |
| MW - 24 | 08/26/10      | 3864.36                     | -                   | 60.43             | 0.00             | 3803.93                                |
| MW - 24 | 11/30/10      | 3864.36                     | -                   | 60.25             | 0.00             | 3804.11                                |
| MW - 24 | 03/08/11      | 3864.36                     | -                   | 60.23             | 0.00             | 3804.13                                |
| MW - 24 | 05/25/11      | 3864.36                     | -                   | 60.24             | 0.00             | 3804.12                                |
| MW - 24 | 08/18/11      | 3864.36                     | -                   | 60.64             | 0.00             | 3803.72                                |
| MW - 24 | 11/15/11      | 3864.36                     | -                   | 60.64             | 0.00             | 3803.72                                |
| MW - 24 | 02/29/12      | 3864.36                     | -                   | 60.81             | 0.00             | 3803.55                                |
| MW - 24 | 05/01/12      | 3864.36                     | -                   | 60.89             | 0.00             | 3803.47                                |
| MW - 24 | 08/10/12      | 3864.36                     | -                   | 61.44             | 0.00             | 3802.92                                |
| MW - 24 | 11/27/12      | 3864.36                     | -                   | 61.17             | 0.00             | 3803.19                                |
| MW - 24 | 02/21/13      | 3864.36                     | -                   | 61.24             | 0.00             | 3803.12                                |
| MW - 24 | 05/15/13      | 3864.36                     | -                   | 61.32             | 0.00             | 3803.04                                |
| MW - 24 | 08/21/13      | 3864.36                     | -                   | 61.43             | 0.00             | 3802.93                                |
| MW - 24 | 11/11/13      | 3864.36                     | -                   | 61.53             | 0.00             | 3802.83                                |
| MW - 24 | 02/20/14      | 3864.36                     | -                   | 61.56             | 0.00             | 3802.80                                |
| MW - 24 | 05/20/14      | 3864.36                     | -                   | 60.67             | 0.00             | 3803.69                                |
| MW - 24 | 07/29/14      | 3864.36                     | -                   | 61.73             | 0.00             | 3802.63                                |
| MW - 24 | 08/19/14      | 3864.36                     | -                   | 61.73             | 0.00             | 3802.63                                |
| MW - 24 | 08/28/14      | 3864.36                     | -                   | 61.76             | 0.00             | 3802.60                                |
| MW - 24 | 10/30/14      | 3864.36                     | -                   | 61.79             | 0.00             | 3802.57                                |
| MW - 24 | 11/24/14      | 3864.36                     | -                   | 61.79             | 0.00             | 3802.57                                |
| MW - 24 | 02/11/15      | 3864.36                     | -                   | 61.83             | 0.00             | 3802.53                                |
| MW - 24 | 03/11/15      | 3864.36                     | -                   | 61.90             | 0.00             | 3802.46                                |
| MW - 24 | 04/17/15      | 3864.36                     | -                   | 61.95             | 0.00             | 3802.41                                |
| MW - 24 | 05/19/15      | 3864.36                     | -                   | 61.93             | 0.00             | 3802.43                                |
| MW - 24 | 07/31/15      | 3864.36                     | -                   | 62.05             | 0.00             | 3802.31                                |
| MW - 24 | 08/12/15      | 3864.36                     | -                   | 62.05             | 0.00             | 3802.31                                |
| MW - 24 | 09/11/15      | 3864.36                     | -                   | 62.13             | 0.00             | 3802.23                                |
| MW - 24 | 11/11/15      | 3864.36                     | -                   | 62.11             | 0.00             | 3802.25                                |
| MW - 24 | 02/02/16      | 3864.36                     | -                   | 62.24             | 0.00             | 3802.12                                |
| MW - 24 | 04/28/16      | 3864.36                     | -                   | 62.26             | 0.00             | 3802.10                                |
| MW - 24 | 06/02/16      | 3864.36                     | -                   | 62.33             | 0.00             | 3802.03                                |
| MW - 24 | 07/01/16      | 3864.36                     | -                   | 62.40             | 0.00             | 3801.96                                |
| MW - 24 | 07/29/16      | 3864.36                     | -                   | 62.41             | 0.00             | 3801.95                                |
| MW - 24 | 08/09/16      | 3864.36                     | -                   | 62.43             | 0.00             | 3801.93                                |
| MW - 24 | 09/15/16      | 3864.36                     | -                   | 62.47             | 0.00             | 3801.89                                |
| MW - 24 | 11/16/16      | 3864.36                     | -                   | 62.61             | 0.00             | 3801.75                                |
| MW - 24 | 12/14/16      | 3864.36                     | -                   | 62.62             | 0.00             | 3801.74                                |
| MW - 24 | 01/20/17      | 3864.36                     | -                   | 62.71             | 0.00             | 3801.65                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 24 | 02/22/17      | 3864.36                     | -                   | 62.71             | 0.00             | 3801.65                                |
| MW - 24 | 05/17/17      | 3864.36                     | -                   | 62.82             | 0.00             | 3801.54                                |
| MW - 24 | 06/09/17      | 3864.36                     | -                   | 62.88             | 0.00             | 3801.48                                |
| MW - 24 | 07/26/17      | 3864.36                     | -                   | 62.87             | 0.00             | 3801.49                                |
| MW - 24 | 08/23/17      | 3864.36                     | -                   | 62.94             | 0.00             | 3801.42                                |
| MW - 24 | 10/10/17      | 3864.36                     | -                   | 63.08             | 0.00             | 3801.28                                |
| MW - 24 | 11/29/17      | 3864.36                     | -                   | 63.04             | 0.00             | 3801.32                                |
| MW - 24 | 01/08/18      | 3864.36                     | -                   | 63.18             | 0.00             | 3801.18                                |
| MW - 24 | 02/14/18      | 3864.36                     | -                   | 63.18             | 0.00             | 3801.18                                |
| MW - 24 | 04/30/18      | 3864.36                     | -                   | 63.34             | 0.00             | 3801.02                                |
| MW - 24 | 05/17/18      | 3864.36                     | -                   | 63.38             | 0.00             | 3800.98                                |
| MW - 24 | 07/05/18      | 3864.36                     | -                   | 63.46             | 0.00             | 3800.90                                |
| MW - 24 | 07/26/18      | 3864.36                     | -                   | 63.48             | 0.00             | 3800.88                                |
| MW - 24 | 08/16/18      | 3864.36                     | -                   | 63.45             | 0.00             | 3800.91                                |
| MW - 24 | 11/28/18      | 3864.36                     | -                   | 63.57             | 0.00             | 3800.79                                |
| MW - 24 | 12/27/18      | 3864.36                     | -                   | 63.61             | 0.00             | 3800.75                                |
| MW - 24 | 01/17/19      | 3864.36                     | -                   | 63.62             | 0.00             | 3800.74                                |
| MW - 24 | 02/21/19      | 3864.36                     | -                   | 63.66             | 0.00             | 3800.70                                |
| MW - 24 | 04/04/19      | 3864.36                     | -                   | 63.72             | 0.00             | 3800.64                                |
| MW - 24 | 05/30/19      | 3864.36                     | -                   | 63.80             | 0.00             | 3800.56                                |
| MW - 24 | 08/28/19      | 3864.36                     | -                   | 63.94             | 0.00             | 3800.42                                |
| MW - 24 | 10/30/19      | 3864.36                     | -                   | 64.13             | 0.00             | 3800.23                                |
| MW - 24 | 03/18/20      | 3864.36                     | -                   | 64.32             | 0.00             | 3800.04                                |
| MW - 24 | 05/13/20      | 3864.36                     | -                   | 64.43             | 0.00             | 3799.93                                |
| MW - 24 | 06/09/20      | 3864.36                     | -                   | 64.51             | 0.00             | 3799.85                                |
| MW - 24 | 07/16/20      | 3864.36                     | -                   | 64.53             | 0.00             | 3799.83                                |
| MW - 24 | 08/26/20      | 3864.36                     | -                   | 64.59             | 0.00             | 3799.77                                |
| MW - 24 | 12/16/20      | 3864.36                     | -                   | 64.76             | 0.00             | 3799.60                                |
| MW - 24 | 01/28/21      | 3864.36                     | -                   | 64.79             | 0.00             | 3799.57                                |
| MW - 24 | 03/22/21      | 3864.36                     | -                   | 64.89             | 0.00             | 3799.47                                |
| MW - 24 | 06/22/21      | 3864.36                     | -                   | 65.06             | 0.00             | 3799.30                                |
| MW - 24 | 07/22/21      | 3864.36                     | -                   | 65.06             | 0.00             | 3799.30                                |
| MW - 24 | 09/09/21      | 3864.36                     | -                   | 65.09             | 0.00             | 3799.27                                |
| MW - 24 | 10/26/21      | 3864.36                     | -                   | 65.13             | 0.00             | 3799.23                                |
| MW - 24 | 12/15/21      | 3864.36                     | -                   | 65.23             | 0.00             | 3799.13                                |
| MW - 24 | 02/09/22      | 3864.36                     | -                   | 65.28             | 0.00             | 3799.08                                |
| MW - 24 | 05/04/22      | 3864.36                     | -                   | 65.42             | 0.00             | 3798.94                                |
| MW - 24 | 08/01/22      | 3864.36                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 24 | 10/26/22      | 3864.36                     | -                   | 65.62             | 0.00             | 3798.74                                |
|         |               |                             |                     |                   |                  |                                        |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 25 | 03/24/00      | 3864.16                     | -                   | 56.08             | 0.00             | 3808.08                                |
| MW - 25 | 06/14/00      | 3864.16                     | -                   | 56.28             | 0.00             | 3807.88                                |
| MW - 25 | 09/22/00      | 3864.16                     | -                   | 55.93             | 0.00             | 3808.23                                |
| MW - 25 | 12/28/00      | 3864.16                     | -                   | 56.05             | 0.00             | 3808.11                                |
| MW - 25 | 03/14/01      | 3864.16                     | -                   | 56.12             | 0.00             | 3808.04                                |
| MW - 25 | 06/06/01      | 3864.16                     | -                   | 56.28             | 0.00             | 3807.88                                |
| MW - 25 | 09/28/01      | 3864.16                     | -                   | 56.37             | 0.00             | 3807.79                                |
| MW - 25 | 11/17/01      | 3864.16                     | -                   | 56.51             | 0.00             | 3807.65                                |
| MW - 25 | 03/26/02      | 3864.16                     | -                   | 56.74             | 0.00             | 3807.42                                |
| MW - 25 | 06/26/02      | 3864.16                     | -                   | 56.79             | 0.00             | 3807.37                                |
| MW - 25 | 09/25/02      | 3864.16                     | -                   | 56.96             | 0.00             | 3807.20                                |
| MW - 25 | 12/09/02      | 3864.16                     | -                   | 57.01             | 0.00             | 3807.15                                |
| MW - 25 | 03/10/03      | 3864.16                     | -                   | 57.09             | 0.00             | 3807.07                                |
| MW - 25 | 06/09/03      | 3864.16                     | -                   | 57.23             | 0.00             | 3806.93                                |
| MW - 25 | 09/03/03      | 3864.16                     | -                   | 57.37             | 0.00             | 3806.79                                |
| MW - 25 | 12/08/03      | 3864.16                     | -                   | 57.47             | 0.00             | 3806.69                                |
| MW - 25 | 03/01/04      | 3864.16                     | -                   | 57.30             | 0.00             | 3806.86                                |
| MW - 25 | 05/19/04      | 3864.16                     | -                   | 57.66             | 0.00             | 3806.50                                |
| MW - 25 | 08/26/04      | 3864.16                     | -                   | 57.72             | 0.00             | 3806.44                                |
| MW - 25 | 12/09/04      | 3864.16                     | -                   | 56.48             | 0.00             | 3807.68                                |
| MW - 25 | 03/17/05      | 3864.16                     | -                   | 56.42             | 0.00             | 3807.74                                |
| MW - 25 | 06/15/05      | 3864.16                     | -                   | 56.70             | 0.00             | 3807.46                                |
| MW - 25 | 09/14/05      | 3864.16                     | -                   | 57.03             | 0.00             | 3807.13                                |
| MW - 25 | 12/13/05      | 3864.16                     | -                   | 57.33             | 0.00             | 3806.83                                |
| MW - 25 | 03/15/06      | 3864.16                     | -                   | 57.56             | 0.00             | 3806.60                                |
| MW - 25 | 06/14/06      | 3864.16                     | -                   | 57.77             | 0.00             | 3806.39                                |
| MW - 25 | 09/13/06      | 3864.16                     | -                   | 57.89             | 0.00             | 3806.27                                |
| MW - 25 | 12/06/06      | 3864.16                     | -                   | 58.04             | 0.00             | 3806.12                                |
| MW - 25 | 03/01/07      | 3864.16                     | -                   | 58.09             | 0.00             | 3806.07                                |
| MW - 25 | 05/24/07      | 3864.16                     | -                   | 58.18             | 0.00             | 3805.98                                |
| MW - 25 | 08/23/07      | 3864.16                     | -                   | 58.26             | 0.00             | 3805.90                                |
| MW - 25 | 11/05/07      | 3864.16                     | -                   | 58.32             | 0.00             | 3805.84                                |
| MW - 25 | 03/04/08      | 3864.16                     | -                   | 58.43             | 0.00             | 3805.73                                |
| MW - 25 | 06/11/08      | 3864.16                     | -                   | 58.56             | 0.00             | 3805.60                                |
| MW - 25 | 09/09/08      | 3864.16                     | -                   | 58.73             | 0.00             | 3805.43                                |
| MW - 25 | 12/11/08      | 3864.16                     | -                   | 58.35             | 0.00             | 3805.81                                |
| MW - 25 | 02/27/09      | 3864.16                     | -                   | 58.92             | 0.00             | 3805.24                                |
| MW - 25 | 05/21/09      | 3864.16                     | -                   | 59.03             | 0.00             | 3805.13                                |
| MW - 25 | 08/18/09      | 3864.16                     | -                   | 59.78             | 0.00             | 3804.38                                |
| MW - 25 | 12/09/09      | 3864.16                     | -                   | 59.18             | 0.00             | 3804.98                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 25 | 01/06/10      | 3864.16                     | -                   | 59.20             | 0.00             | 3804.96                                |
| MW - 25 | 02/22/10      | 3864.16                     | -                   | 59.23             | 0.00             | 3804.93                                |
| MW - 25 | 06/04/10      | 3864.16                     | -                   | 59.35             | 0.00             | 3804.81                                |
| MW - 25 | 08/26/10      | 3864.16                     | -                   | 59.35             | 0.00             | 3804.81                                |
| MW - 25 | 11/30/10      | 3864.16                     | -                   | 59.17             | 0.00             | 3804.99                                |
| MW - 25 | 03/08/11      | 3864.16                     | -                   | 59.15             | 0.00             | 3805.01                                |
| MW - 25 | 05/25/11      | 3864.16                     | -                   | 59.14             | 0.00             | 3805.02                                |
| MW - 25 | 08/18/11      | 3864.16                     | -                   | 59.51             | 0.00             | 3804.65                                |
| MW - 25 | 11/15/11      | 3864.16                     | -                   | 59.65             | 0.00             | 3804.51                                |
| MW - 25 | 02/29/12      | 3864.16                     | -                   | 59.79             | 0.00             | 3804.37                                |
| MW - 25 | 05/01/12      | 3864.16                     | -                   | 59.84             | 0.00             | 3804.32                                |
| MW - 25 | 08/10/12      | 3864.16                     | -                   | 60.19             | 0.00             | 3803.97                                |
| MW - 25 | 11/27/12      | 3864.16                     | -                   | 60.07             | 0.00             | 3804.09                                |
| MW - 25 | 02/21/13      | 3864.16                     | -                   | 61.16             | 0.00             | 3803.00                                |
| MW - 25 | 05/15/13      | 3864.16                     | -                   | 60.25             | 0.00             | 3803.91                                |
| MW - 25 | 08/20/13      | 3864.16                     | -                   | 60.36             | 0.00             | 3803.80                                |
| MW-25   | 11/11/13      | 3864.16                     | -                   | 60.45             | 0.00             | 3803.71                                |
| MW-25   | 02/19/14      | 3864.16                     | -                   | 60.56             | 0.00             | 3803.60                                |
| MW-25   | 05/20/14      | 3864.16                     | -                   | 60.60             | 0.00             | 3803.56                                |
| MW-25   | 07/29/14      | 3864.16                     | -                   | 60.66             | 0.00             | 3803.50                                |
| MW-25   | 08/19/14      | 3864.16                     | -                   | 60.66             | 0.00             | 3803.50                                |
| MW-25   | 10/30/14      | 3864.16                     | -                   | 60.68             | 0.00             | 3803.48                                |
| MW-25   | 11/24/14      | 3864.16                     | -                   | 60.68             | 0.00             | 3803.48                                |
| MW-25   | 02/10/15      | 3864.16                     | -                   | 60.75             | 0.00             | 3803.41                                |
| MW-25   | 03/11/15      | 3864.16                     | -                   | 60.82             | 0.00             | 3803.34                                |
| MW-25   | 04/17/15      | 3864.16                     | -                   | 60.86             | 0.00             | 3803.30                                |
| MW-25   | 05/19/15      | 3864.16                     | -                   | 60.88             | 0.00             | 3803.28                                |
| MW-25   | 07/31/15      | 3864.16                     | -                   | 60.98             | 0.00             | 3803.18                                |
| MW-25   | 08/12/15      | 3864.16                     | -                   | 60.99             | 0.00             | 3803.17                                |
| MW-25   | 09/11/15      | 3864.16                     | -                   | 61.06             | 0.00             | 3803.10                                |
| MW-25   | 11/10/15      | 3864.16                     | -                   | 61.04             | 0.00             | 3803.12                                |
| MW-25   | 02/02/16      | 3864.16                     | -                   | 61.15             | 0.00             | 3803.01                                |
| MW-25   | 04/28/16      | 3864.16                     | -                   | 61.21             | 0.00             | 3802.95                                |
| MW-25   | 05/10/16      | 3864.16                     | -                   | 61.25             | 0.00             | 3802.91                                |
| MW-25   | 07/01/16      | 3864.16                     | -                   | 61.35             | 0.00             | 3802.81                                |
| MW-25   | 07/29/16      | 3864.16                     | -                   | 61.42             | 0.00             | 3802.74                                |
| MW-25   | 08/08/16      | 3864.16                     | -                   | 61.40             | 0.00             | 3802.76                                |
| MW-25   | 09/15/16      | 3864.16                     | -                   | 61.47             | 0.00             | 3802.69                                |
| MW-25   | 11/15/16      | 3864.16                     | -                   | 61.58             | 0.00             | 3802.58                                |
| MW-25   | 12/14/16      | 3864.16                     | -                   | 61.61             | 0.00             | 3802.55                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-25 | 01/20/17      | 3864.16                     | -                   | 61.68             | 0.00             | 3802.48                                |
| MW-25 | 02/21/17      | 3864.16                     | -                   | 61.69             | 0.00             | 3802.47                                |
| MW-25 | 05/16/17      | 3864.16                     | -                   | 61.80             | 0.00             | 3802.36                                |
| MW-25 | 06/09/17      | 3864.16                     | -                   | 61.84             | 0.00             | 3802.32                                |
| MW-25 | 07/26/17      | 3864.16                     | -                   | 61.90             | 0.00             | 3802.26                                |
| MW-25 | 08/22/17      | 3864.16                     | -                   | 61.92             | 0.00             | 3802.24                                |
| MW-25 | 10/10/17      | 3864.16                     | -                   | 62.01             | 0.00             | 3802.15                                |
| MW-25 | 11/28/17      | 3864.16                     | -                   | 62.03             | 0.00             | 3802.13                                |
| MW-25 | 01/08/18      | 3864.16                     | -                   | 62.12             | 0.00             | 3802.04                                |
| MW-25 | 02/13/18      | 3864.16                     | -                   | 62.17             | 0.00             | 3801.99                                |
| MW-25 | 04/30/18      | 3864.16                     | -                   | 62.31             | 0.00             | 3801.85                                |
| MW-25 | 05/16/18      | 3864.16                     | -                   | 62.31             | 0.00             | 3801.85                                |
| MW-25 | 07/05/18      | 3864.16                     | -                   | 62.35             | 0.00             | 3801.81                                |
| MW-25 | 07/26/18      | 3864.16                     | -                   | 62.42             | 0.00             | 3801.74                                |
| MW-25 | 08/15/18      | 3864.16                     | -                   | 62.43             | 0.00             | 3801.73                                |
| MW-25 | 11/27/18      | 3864.16                     | -                   | 62.51             | 0.00             | 3801.65                                |
| MW-25 | 12/27/18      | 3864.16                     | -                   | 62.56             | 0.00             | 3801.60                                |
| MW-25 | 01/17/19      | 3864.16                     | -                   | 62.59             | 0.00             | 3801.57                                |
| MW-25 | 02/20/19      | 3864.16                     | -                   | 62.61             | 0.00             | 3801.55                                |
| MW-25 | 04/04/19      | 3864.16                     | -                   | 62.68             | 0.00             | 3801.48                                |
| MW-25 | 05/29/19      | 3864.16                     | -                   | 62.75             | 0.00             | 3801.41                                |
| MW-25 | 08/27/19      | 3864.16                     | -                   | 62.90             | 0.00             | 3801.26                                |
| MW-25 | 10/29/19      | 3864.16                     | -                   | 63.06             | 0.00             | 3801.10                                |
| MW-25 | 03/17/20      | 3864.16                     | -                   | 63.31             | 0.00             | 3800.85                                |
| MW-25 | 05/13/20      | 3864.16                     | -                   | 63.39             | 0.00             | 3800.77                                |
| MW-25 | 06/09/20      | 3864.16                     | -                   | 63.44             | 0.00             | 3800.72                                |
| MW-25 | 07/16/20      | 3864.16                     | -                   | 63.49             | 0.00             | 3800.67                                |
| MW-25 | 08/25/20      | 3864.16                     | -                   | 63.54             | 0.00             | 3800.62                                |
| MW-25 | 12/17/20      | 3864.16                     | -                   | 63.71             | 0.00             | 3800.45                                |
| MW-25 | 01/28/21      | 3864.16                     | -                   | 63.75             | 0.00             | 3800.41                                |
| MW-25 | 03/22/21      | 3864.16                     | -                   | 63.84             | 0.00             | 3800.32                                |
| MW-25 | 06/21/21      | 3864.16                     | -                   | 63.99             | 0.00             | 3800.17                                |
| MW-25 | 07/22/21      | 3864.16                     | -                   | 64.00             | 0.00             | 3800.16                                |
| MW-25 | 09/09/21      | 3864.16                     | -                   | 64.04             | 0.00             | 3800.12                                |
| MW-25 | 10/26/21      | 3864.16                     | -                   | 64.06             | 0.00             | 3800.10                                |
| MW-25 | 12/15/21      | 3864.16                     | -                   | 64.16             | 0.00             | 3800.00                                |
| MW-25 | 02/09/22      | 3864.16                     | -                   | 64.20             | 0.00             | 3799.96                                |
| MW-25 | 05/02/22      | 3864.16                     | -                   | 64.34             | 0.00             | 3799.82                                |
| MW-25 | 08/01/22      | 3864.16                     | -                   | 64.43             | 0.00             | 3799.73                                |
| MW-25 | 10/26/22      | 3864.16                     | -                   | 64.56             | 0.00             | 3799.60                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 06/14/00      | 3858.79                     | -                   | 60.10             | 0.00             | 3798.69                                |
| MW - 26 | 09/22/00      | 3858.79                     | -                   | 60.00             | 0.00             | 3798.79                                |
| MW - 26 | 12/28/00      | 3858.79                     | -                   | 60.08             | 0.00             | 3798.71                                |
| MW - 26 | 03/14/01      | 3858.79                     | -                   | 60.05             | 0.00             | 3798.74                                |
| MW - 26 | 06/06/01      | 3858.79                     | -                   | 60.18             | 0.00             | 3798.61                                |
| MW - 26 | 09/28/01      | 3858.79                     | -                   | 60.32             | 0.00             | 3798.47                                |
| MW - 26 | 11/17/01      | 3858.79                     | -                   | 60.48             | 0.00             | 3798.31                                |
| MW - 26 | 03/26/02      | 3858.79                     | -                   | 60.84             | 0.00             | 3797.95                                |
| MW - 26 | 06/26/02      | 3858.79                     | -                   | 60.67             | 0.00             | 3798.12                                |
| MW - 26 | 09/25/02      | 3858.79                     | -                   | 60.79             | 0.00             | 3798.00                                |
| MW - 26 | 12/10/02      | 3858.79                     | -                   | 60.85             | 0.00             | 3797.94                                |
| MW - 26 | 03/10/03      | 3858.79                     | -                   | 60.95             | 0.00             | 3797.84                                |
| MW - 26 | 06/09/03      | 3858.79                     | -                   | 61.05             | 0.00             | 3797.74                                |
| MW - 26 | 09/03/03      | 3858.79                     | -                   | 61.15             | 0.00             | 3797.64                                |
| MW - 26 | 12/08/03      | 3858.79                     | -                   | 61.27             | 0.00             | 3797.52                                |
| MW - 26 | 03/01/04      | 3858.79                     | -                   | 61.37             | 0.00             | 3797.42                                |
| MW - 26 | 05/19/04      | 3858.79                     | -                   | 61.42             | 0.00             | 3797.37                                |
| MW - 26 | 08/26/04      | 3858.79                     | -                   | 61.54             | 0.00             | 3797.25                                |
| MW - 26 | 12/09/04      | 3858.79                     | -                   | 60.92             | 0.00             | 3797.87                                |
| MW - 26 | 03/17/05      | 3858.79                     | -                   | 60.61             | 0.00             | 3798.18                                |
| MW - 26 | 06/15/05      | 3858.79                     | -                   | 60.68             | 0.00             | 3798.11                                |
| MW - 26 | 09/14/05      | 3858.79                     | -                   | 60.82             | 0.00             | 3797.97                                |
| MW - 26 | 12/13/05      | 3858.79                     | -                   | 61.04             | 0.00             | 3797.75                                |
| MW - 26 | 03/15/06      | 3858.79                     | -                   | 61.22             | 0.00             | 3797.57                                |
| MW - 26 | 06/14/06      | 3858.79                     | -                   | 61.33             | 0.00             | 3797.46                                |
| MW - 26 | 09/13/06      | 3858.79                     | -                   | 61.44             | 0.00             | 3797.35                                |
| MW - 26 | 12/06/06      | 3858.79                     | -                   | 61.50             | 0.00             | 3797.29                                |
| MW - 26 | 03/01/07      | 3858.79                     | -                   | 61.54             | 0.00             | 3797.25                                |
| MW - 26 | 05/24/07      | 3858.79                     | -                   | 61.61             | 0.00             | 3797.18                                |
| MW - 26 | 08/23/07      | 3858.79                     | -                   | 61.69             | 0.00             | 3797.10                                |
| MW - 26 | 11/08/07      | 3858.79                     | -                   | 61.76             | 0.00             | 3797.03                                |
| MW - 26 | 03/04/08      | 3858.79                     | -                   | 61.83             | 0.00             | 3796.96                                |
| MW - 26 | 06/11/08      | 3858.79                     | -                   | 61.90             | 0.00             | 3796.89                                |
| MW - 26 | 09/09/08      | 3858.79                     | -                   | 62.01             | 0.00             | 3796.78                                |
| MW - 26 | 12/11/08      | 3858.79                     | -                   | 62.09             | 0.00             | 3796.70                                |
| MW - 26 | 02/27/09      | 3858.79                     | -                   | 62.15             | 0.00             | 3796.64                                |
| MW - 26 | 05/22/09      | 3858.79                     | -                   | 62.23             | 0.00             | 3796.56                                |
| MW - 26 | 08/18/09      | 3858.79                     | -                   | 62.26             | 0.00             | 3796.53                                |
| MW - 26 | 12/10/09      | 3858.79                     | -                   | 62.33             | 0.00             | 3796.46                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 01/06/10      | 3858.79                     | -                   | 62.34             | 0.00             | 3796.45                                |
| MW - 26 | 02/22/10      | 3858.79                     | -                   | 62.38             | 0.00             | 3796.41                                |
| MW - 26 | 05/06/10      | 3858.79                     | -                   | 62.34             | 0.00             | 3796.45                                |
| MW - 26 | 05/13/10      | 3858.79                     | -                   | 62.34             | 0.00             | 3796.45                                |
| MW - 26 | 05/19/10      | 3858.79                     | -                   | 62.34             | 0.00             | 3796.45                                |
| MW - 26 | 06/04/10      | 3858.79                     | -                   | 62.43             | 0.00             | 3796.36                                |
| MW - 26 | 08/26/10      | 3858.79                     | -                   | 62.43             | 0.00             | 3796.36                                |
| MW - 26 | 11/30/10      | 3858.79                     | -                   | 62.32             | 0.00             | 3796.47                                |
| MW - 26 | 03/08/11      | 3858.79                     | -                   | 62.32             | 0.00             | 3796.47                                |
| MW - 26 | 05/25/11      | 3858.79                     | -                   | 62.30             | 0.00             | 3796.49                                |
| MW - 26 | 08/19/11      | 3858.79                     | -                   | 62.69             | 0.00             | 3796.10                                |
| MW - 26 | 11/15/11      | 3858.79                     | -                   | 62.70             | 0.00             | 3796.09                                |
| MW - 26 | 11/30/11      | 3858.79                     | -                   | 62.73             | 0.00             | 3796.06                                |
| MW - 26 | 01/24/12      | 3858.79                     | -                   | 62.84             | 0.00             | 3795.95                                |
| MW - 26 | 01/31/12      | 3858.79                     | -                   | 62.83             | 0.00             | 3795.96                                |
| MW - 26 | 02/08/12      | 3858.79                     | -                   | 62.82             | 0.00             | 3795.97                                |
| MW - 26 | 02/29/12      | 3858.79                     | -                   | 62.86             | 0.00             | 3795.93                                |
| MW - 26 | 03/09/12      | 3858.79                     | -                   | 62.91             | 0.00             | 3795.88                                |
| MW - 26 | 03/16/12      | 3858.79                     | -                   | 62.90             | 0.00             | 3795.89                                |
| MW - 26 | 03/21/12      | 3858.79                     | -                   | 62.92             | 0.00             | 3795.87                                |
| MW - 26 | 03/28/12      | 3858.79                     | -                   | 62.92             | 0.00             | 3795.87                                |
| MW - 26 | 04/04/12      | 3858.79                     | -                   | 62.92             | 0.00             | 3795.87                                |
| MW - 26 | 04/11/12      | 3858.79                     | -                   | 62.92             | 0.00             | 3795.87                                |
| MW - 26 | 04/18/12      | 3858.79                     | -                   | 62.95             | 0.00             | 3795.84                                |
| MW - 26 | 04/25/12      | 3858.79                     | -                   | 62.96             | 0.00             | 3795.83                                |
| MW - 26 | 05/01/12      | 3858.79                     | -                   | 62.97             | 0.00             | 3795.82                                |
| MW - 26 | 05/09/12      | 3858.79                     | -                   | 62.96             | 0.00             | 3795.83                                |
| MW - 26 | 06/07/12      | 3858.79                     | -                   | 62.98             | 0.00             | 3795.81                                |
| MW - 26 | 06/20/12      | 3858.79                     | -                   | 63.01             | 0.00             | 3795.78                                |
| MW - 26 | 06/27/12      | 3858.79                     | -                   | 63.02             | 0.00             | 3795.77                                |
| MW - 26 | 07/11/12      | 3858.79                     | -                   | 63.08             | 0.00             | 3795.71                                |
| MW - 26 | 08/10/12      | 3858.79                     | -                   | 63.32             | 0.00             | 3795.47                                |
| MW - 26 | 09/06/12      | 3858.79                     | -                   | 63.11             | 0.00             | 3795.68                                |
| MW - 26 | 10/04/12      | 3858.79                     | -                   | 63.20             | 0.00             | 3795.59                                |
| MW - 26 | 10/12/12      | 3858.79                     | -                   | 63.25             | 0.00             | 3795.54                                |
| MW - 26 | 10/18/12      | 3858.79                     | -                   | 63.25             | 0.00             | 3795.54                                |
| MW - 26 | 10/25/12      | 3858.79                     | -                   | 63.22             | 0.00             | 3795.57                                |
| MW - 26 | 10/31/12      | 3858.79                     | -                   | 63.23             | 0.00             | 3795.56                                |
| MW - 26 | 11/15/12      | 3858.79                     | -                   | 63.23             | 0.00             | 3795.56                                |
| MW - 26 | 11/27/12      | 3858.79                     | -                   | 63.24             | 0.00             | 3795.55                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 12/19/12      | 3858.79                     | -                   | 63.28             | 0.00             | 3795.51                                |
| MW - 26 | 01/17/13      | 3858.79                     | -                   | 63.31             | 0.00             | 3795.48                                |
| MW - 26 | 01/31/13      | 3858.79                     | -                   | 63.34             | 0.00             | 3795.45                                |
| MW - 26 | 02/21/13      | 3858.79                     | -                   | 63.31             | 0.00             | 3795.48                                |
| MW - 26 | 03/05/13      | 3858.79                     | -                   | 63.60             | 0.00             | 3795.19                                |
| MW - 26 | 03/21/13      | 3858.79                     | -                   | 63.85             | 0.00             | 3794.94                                |
| MW - 26 | 04/04/13      | 3858.79                     | -                   | 63.39             | 0.00             | 3795.40                                |
| MW - 26 | 04/11/13      | 3858.79                     | -                   | 63.41             | 0.00             | 3795.38                                |
| MW - 26 | 04/18/13      | 3858.79                     | -                   | 63.42             | 0.00             | 3795.37                                |
| MW - 26 | 04/25/13      | 3858.79                     | -                   | 63.43             | 0.00             | 3795.36                                |
| MW - 26 | 05/01/13      | 3858.79                     | -                   | 63.42             | 0.00             | 3795.37                                |
| MW - 26 | 05/10/13      | 3858.79                     | -                   | 63.41             | 0.00             | 3795.38                                |
| MW - 26 | 05/15/13      | 3858.79                     | -                   | 63.42             | 0.00             | 3795.37                                |
| MW - 26 | 05/24/13      | 3858.79                     | -                   | 63.44             | 0.00             | 3795.35                                |
| MW - 26 | 05/30/13      | 3858.79                     | -                   | 63.44             | 0.00             | 3795.35                                |
| MW - 26 | 06/06/13      | 3858.79                     | -                   | 63.44             | 0.00             | 3795.35                                |
| MW - 26 | 06/14/13      | 3858.79                     | -                   | 63.45             | 0.00             | 3795.34                                |
| MW - 26 | 06/20/13      | 3858.79                     | -                   | 63.46             | 0.00             | 3795.33                                |
| MW - 26 | 06/27/13      | 3858.79                     | -                   | 63.43             | 0.00             | 3795.36                                |
| MW - 26 | 07/03/13      | 3858.79                     | -                   | 63.48             | 0.00             | 3795.31                                |
| MW - 26 | 07/10/13      | 3858.79                     | -                   | 63.51             | 0.00             | 3795.28                                |
| MW - 26 | 07/25/13      | 3858.79                     | -                   | 63.50             | 0.00             | 3795.29                                |
| MW - 26 | 07/31/13      | 3858.79                     | -                   | 63.48             | 0.00             | 3795.31                                |
| MW - 26 | 08/21/13      | 3858.79                     | -                   | 63.46             | 0.00             | 3795.33                                |
| MW - 26 | 08/29/13      | 3858.79                     | -                   | 63.50             | 0.00             | 3795.29                                |
| MW - 26 | 09/09/13      | 3858.79                     | -                   | 63.58             | 0.00             | 3795.21                                |
| MW - 26 | 09/18/13      | 3858.79                     | -                   | 63.58             | 0.00             | 3795.21                                |
| MW - 26 | 09/27/13      | 3858.79                     | -                   | 63.60             | 0.00             | 3795.19                                |
| MW - 26 | 10/02/13      | 3858.79                     | -                   | 63.57             | 0.00             | 3795.22                                |
| MW - 26 | 10/08/13      | 3858.79                     | -                   | 63.58             | 0.00             | 3795.21                                |
| MW - 26 | 10/16/13      | 3858.79                     | -                   | 63.60             | 0.00             | 3795.19                                |
| MW - 26 | 10/24/13      | 3858.79                     | -                   | 63.51             | 0.00             | 3795.28                                |
| MW - 26 | 10/31/13      | 3858.79                     | -                   | 63.53             | 0.00             | 3795.26                                |
| MW - 26 | 11/11/13      | 3858.79                     | -                   | 63.53             | 0.00             | 3795.26                                |
| MW - 26 | 12/11/13      | 3858.79                     | -                   | 63.62             | 0.00             | 3795.17                                |
| MW - 26 | 12/17/13      | 3858.79                     | -                   | 63.65             | 0.00             | 3795.14                                |
| MW - 26 | 01/03/14      | 3858.79                     | -                   | 63.71             | 0.00             | 3795.08                                |
| MW - 26 | 01/09/14      | 3858.79                     | -                   | 63.65             | 0.00             | 3795.14                                |
| MW - 26 | 01/15/14      | 3858.79                     | -                   | 63.63             | 0.00             | 3795.16                                |
| MW - 26 | 01/22/14      | 3858.79                     | -                   | 63.65             | 0.00             | 3795.14                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 01/29/14      | 3858.79                     | -                   | 63.65             | 0.00             | 3795.14                                |
| MW - 26 | 02/20/14      | 3858.79                     | -                   | 63.62             | 0.00             | 3795.17                                |
| MW - 26 | 03/04/14      | 3858.79                     | -                   | 63.65             | 0.00             | 3795.14                                |
| MW - 26 | 03/11/14      | 3858.79                     | -                   | 63.75             | 0.00             | 3795.04                                |
| MW - 26 | 03/18/14      | 3858.79                     | -                   | 63.70             | 0.00             | 3795.09                                |
| MW - 26 | 03/29/14      | 3858.79                     | -                   | 63.73             | 0.00             | 3795.06                                |
| MW - 26 | 04/01/14      | 3858.79                     | -                   | 63.69             | 0.00             | 3795.10                                |
| MW - 26 | 04/08/14      | 3858.79                     | -                   | 63.66             | 0.00             | 3795.13                                |
| MW - 26 | 04/18/14      | 3858.79                     | -                   | 63.69             | 0.00             | 3795.10                                |
| MW - 26 | 04/23/14      | 3858.79                     | -                   | 63.73             | 0.00             | 3795.06                                |
| MW - 26 | 05/05/14      | 3858.79                     | -                   | 63.71             | 0.00             | 3795.08                                |
| MW - 26 | 05/16/14      | 3858.79                     | -                   | 63.68             | 0.00             | 3795.11                                |
| MW - 26 | 05/20/14      | 3858.79                     | -                   | 63.73             | 0.00             | 3795.06                                |
| MW - 26 | 05/30/14      | 3858.79                     | -                   | 63.72             | 0.00             | 3795.07                                |
| MW - 26 | 06/18/14      | 3858.79                     | -                   | 63.75             | 0.00             | 3795.04                                |
| MW - 26 | 06/27/14      | 3858.79                     | -                   | 63.81             | 0.00             | 3794.98                                |
| MW - 26 | 07/02/14      | 3858.79                     | -                   | 63.81             | 0.00             | 3794.98                                |
| MW - 26 | 07/10/14      | 3858.79                     | -                   | 63.77             | 0.00             | 3795.02                                |
| MW - 26 | 07/29/14      | 3858.79                     | -                   | 63.82             | 0.00             | 3794.97                                |
| MW - 26 | 07/30/14      | 3858.79                     | -                   | 63.82             | 0.00             | 3794.97                                |
| MW - 26 | 08/08/14      | 3858.79                     | -                   | 63.75             | 0.00             | 3795.04                                |
| MW - 26 | 08/19/14      | 3858.79                     | -                   | 63.78             | 0.00             | 3795.01                                |
| MW - 26 | 08/20/14      | 3858.79                     | -                   | 63.81             | 0.00             | 3794.98                                |
| MW - 26 | 09/04/14      | 3858.79                     | -                   | 63.81             | 0.00             | 3794.98                                |
| MW - 26 | 09/11/14      | 3858.79                     | -                   | 63.80             | 0.00             | 3794.99                                |
| MW - 26 | 10/16/14      | 3858.79                     | -                   | 63.86             | 0.00             | 3794.93                                |
| MW - 26 | 10/22/14      | 3858.79                     | -                   | 63.88             | 0.00             | 3794.91                                |
| MW - 26 | 10/30/14      | 3858.79                     | -                   | 63.86             | 0.00             | 3794.93                                |
| MW - 26 | 11/24/14      | 3858.79                     | -                   | 63.25             | 0.00             | 3795.54                                |
| MW - 26 | 12/05/14      | 3858.79                     | -                   | 62.18             | 0.00             | 3796.61                                |
| MW - 26 | 12/12/14      | 3858.79                     | -                   | 63.87             | 0.00             | 3794.92                                |
| MW - 26 | 12/19/14      | 3858.79                     | -                   | 63.85             | 0.00             | 3794.94                                |
| MW - 26 | 01/07/15      | 3858.79                     | -                   | 63.86             | 0.00             | 3794.93                                |
| MW - 26 | 01/15/15      | 3858.79                     | -                   | 63.86             | 0.00             | 3794.93                                |
| MW - 26 | 02/05/15      | 3858.79                     | -                   | 0.00              | 0.00             | 3858.79                                |
| MW - 26 | 02/20/15      | 3858.79                     | -                   | 63.84             | 0.00             | 3794.95                                |
| MW - 26 | 03/06/15      | 3858.79                     | -                   | 63.87             | 0.00             | 3794.92                                |
| MW - 26 | 03/11/15      | 3858.79                     | -                   | 63.88             | 0.00             | 3794.91                                |
| MW - 26 | 03/13/15      | 3858.79                     | -                   | 63.88             | 0.00             | 3794.91                                |
| MW - 26 | 03/17/15      | 3858.79                     | -                   | 63.90             | 0.00             | 3794.89                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 04/01/15      | 3858.79                     | -                   | 63.89             | 0.00             | 3794.90                                |
| MW - 26 | 04/09/15      | 3858.79                     | -                   | 63.88             | 0.00             | 3794.91                                |
| MW - 26 | 04/15/15      | 3858.79                     | -                   | 63.88             | 0.00             | 3794.91                                |
| MW - 26 | 04/17/15      | 3858.79                     | -                   | 61.98             | 0.00             | 3796.81                                |
| MW - 26 | 04/28/15      | 3858.79                     | -                   | 63.90             | 0.00             | 3794.89                                |
| MW - 26 | 05/19/15      | 3858.79                     | -                   | 63.92             | 0.00             | 3794.87                                |
| MW - 26 | 06/02/15      | 3858.79                     | -                   | 63.90             | 0.00             | 3794.89                                |
| MW - 26 | 06/11/15      | 3858.79                     | -                   | 63.92             | 0.00             | 3794.87                                |
| MW - 26 | 06/17/15      | 3858.79                     | -                   | 63.94             | 0.00             | 3794.85                                |
| MW - 26 | 06/25/15      | 3858.79                     | -                   | 63.95             | 0.00             | 3794.84                                |
| MW - 26 | 07/01/15      | 3858.79                     | -                   | 63.97             | 0.00             | 3794.82                                |
| MW - 26 | 07/08/15      | 3858.79                     | -                   | 63.98             | 0.00             | 3794.81                                |
| MW - 26 | 07/15/15      | 3858.79                     | -                   | 63.97             | 0.00             | 3794.82                                |
| MW - 26 | 07/22/15      | 3858.79                     | -                   | 63.99             | 0.00             | 3794.80                                |
| MW - 26 | 07/29/15      | 3858.79                     | -                   | 63.96             | 0.00             | 3794.83                                |
| MW - 26 | 07/31/15      | 3858.79                     | -                   | 63.96             | 0.00             | 3794.83                                |
| MW - 26 | 08/06/15      | 3858.79                     | -                   | 63.95             | 0.00             | 3794.84                                |
| MW - 26 | 08/12/15      | 3858.79                     | -                   | 63.97             | 0.00             | 3794.82                                |
| MW - 26 | 08/17/15      | 3858.79                     | -                   | 63.96             | 0.00             | 3794.83                                |
| MW - 26 | 08/19/15      | 3858.79                     | -                   | 63.99             | 0.00             | 3794.80                                |
| MW - 26 | 08/27/15      | 3858.79                     | -                   | 63.97             | 0.00             | 3794.82                                |
| MW - 26 | 09/03/15      | 3858.79                     | -                   | 63.99             | 0.00             | 3794.80                                |
| MW - 26 | 09/09/15      | 3858.79                     | -                   | 63.99             | 0.00             | 3794.80                                |
| MW - 26 | 09/11/15      | 3858.79                     | -                   | 64.00             | 0.00             | 3794.79                                |
| MW - 26 | 09/15/15      | 3858.79                     | -                   | 63.99             | 0.00             | 3794.80                                |
| MW - 26 | 09/22/15      | 3858.79                     | -                   | 64.01             | 0.00             | 3794.78                                |
| MW - 26 | 09/30/15      | 3858.79                     | -                   | 64.12             | 0.00             | 3794.67                                |
| MW - 26 | 10/06/15      | 3858.79                     | -                   | 64.05             | 0.00             | 3794.74                                |
| MW - 26 | 10/13/15      | 3858.79                     | -                   | 64.07             | 0.00             | 3794.72                                |
| MW - 26 | 10/22/15      | 3858.79                     | -                   | 64.09             | 0.00             | 3794.70                                |
| MW - 26 | 10/27/15      | 3858.79                     | -                   | 64.08             | 0.00             | 3794.71                                |
| MW - 26 | 11/11/15      | 3858.79                     | -                   | 64.11             | 0.00             | 3794.68                                |
| MW - 26 | 11/18/15      | 3858.79                     | -                   | 64.03             | 0.00             | 3794.76                                |
| MW - 26 | 12/03/15      | 3858.79                     | -                   | 64.10             | 0.00             | 3794.69                                |
| MW - 26 | 12/10/15      | 3858.79                     | -                   | 64.08             | 0.00             | 3794.71                                |
| MW - 26 | 12/22/15      | 3858.79                     | -                   | 64.11             | 0.00             | 3794.68                                |
| MW - 26 | 01/08/16      | 3858.79                     | -                   | 64.15             | 0.00             | 3794.64                                |
| MW - 26 | 01/14/16      | 3858.79                     | -                   | 64.09             | 0.00             | 3794.70                                |
| MW - 26 | 01/28/16      | 3858.79                     | -                   | 64.17             | 0.00             | 3794.62                                |
| MW - 26 | 02/02/16      | 3858.79                     | -                   | 64.14             | 0.00             | 3794.65                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 02/09/16           | 3858.79                     | -                   | 64.10             | 0.00             | 3794.69                                |
| MW - 26 | 03/02/16           | 3858.79                     | -                   | 64.16             | 0.00             | 3794.63                                |
| MW - 26 | 03/09/16           | 3858.79                     | -                   | 64.22             | 0.00             | 3794.57                                |
| MW - 26 | 03/17/16           | 3858.79                     | -                   | 64.18             | 0.00             | 3794.61                                |
| MW - 26 | 04/06/16           | 3858.79                     | -                   | 64.21             | 0.00             | 3794.58                                |
| MW - 26 | 04/13/16           | 3858.79                     | -                   | 64.20             | 0.00             | 3794.59                                |
| MW - 26 | 04/20/16           | 3858.79                     | -                   | 64.22             | 0.00             | 3794.57                                |
| MW - 26 | 04/27/16           | 3858.79                     | -                   | 64.24             | 0.00             | 3794.55                                |
| MW - 26 | 04/28/16           | 3858.79                     | -                   | 64.24             | 0.00             | 3794.55                                |
| MW - 26 | 05/05/16           | 3858.79                     | -                   | 64.23             | 0.00             | 3794.56                                |
| MW - 26 | 05/10/16           | 3858.79                     | -                   | 64.22             | 0.00             | 3794.57                                |
| MW - 26 | 06/08/16           | 3858.79                     | -                   | 64.22             | 0.00             | 3794.57                                |
| MW - 26 | 06/15/16           | 3858.79                     | -                   | 64.20             | 0.00             | 3794.59                                |
| MW - 26 | 06/21/16           | 3858.79                     | -                   | 64.28             | 0.00             | 3794.51                                |
| MW - 26 | 06/30/16           | 3858.79                     | -                   | 64.29             | 0.00             | 3794.50                                |
| MW - 26 | 07/01/16           | 3858.79                     | -                   | 64.29             | 0.00             | 3794.50                                |
| MW - 26 | 07/15/16           | 3858.79                     | -                   | 64.30             | 0.00             | 3794.49                                |
| MW - 26 | 07/21/16           | 3858.79                     | -                   | 64.31             | 0.00             | 3794.48                                |
| MW - 26 | 07/28/16           | 3858.79                     | -                   | 64.28             | 0.00             | 3794.51                                |
| MW - 26 | 08/02/16           | 3858.79                     | -                   | 64.32             | 0.00             | 3794.47                                |
| MW - 26 | 08/09/16           | 3858.79                     | -                   | 64.26             | 0.00             | 3794.53                                |
| MW - 26 | 08/16/16           | 3858.79                     | -                   | 64.26             | 0.00             | 3794.53                                |
| MW - 26 | 08/25/16           | 3858.79                     | -                   | 64.32             | 0.00             | 3794.47                                |
| MW - 26 | 09/08/16           | 3858.79                     | -                   | 64.33             | 0.00             | 3794.46                                |
| MW - 26 | 9/14/16 -9/15/2016 | 3858.79                     | -                   | 64.37             | 0.00             | 3794.42                                |
| MW - 26 | 09/22/16           | 3858.79                     | -                   | 64.32             | 0.00             | 3794.47                                |
| MW - 26 | 09/29/16           | 3858.79                     | -                   | 64.39             | 0.00             | 3794.40                                |
| MW - 26 | 10/13/16           | 3858.79                     | -                   | 64.41             | 0.00             | 3794.38                                |
| MW - 26 | 10/20/16           | 3858.79                     | -                   | 64.43             | 0.00             | 3794.36                                |
| MW - 26 | 10/27/16           | 3858.79                     | -                   | 64.39             | 0.00             | 3794.40                                |
| MW - 26 | 11/10/16           | 3858.79                     | -                   | 64.42             | 0.00             | 3794.37                                |
| MW - 26 | 11/16/16           | 3858.79                     | -                   | 64.45             | 0.00             | 3794.34                                |
| MW - 26 | 12/09/16           | 3858.79                     | -                   | 64.44             | 0.00             | 3794.35                                |
| MW - 26 | 12/14/16           | 3858.79                     | -                   | 64.47             | 0.00             | 3794.32                                |
| MW - 26 | 01/12/17           | 3858.79                     | -                   | 64.51             | 0.00             | 3794.28                                |
| MW - 26 | 01/19/17           | 3858.79                     | -                   | 64.51             | 0.00             | 3794.28                                |
| MW - 26 | 01/20/17           | 3858.79                     | -                   | 64.48             | 0.00             | 3794.31                                |
| MW - 26 | 01/25/17           | 3858.79                     | -                   | 64.50             | 0.00             | 3794.29                                |
| MW - 26 | 02/02/17           | 3858.79                     | -                   | 64.50             | 0.00             | 3794.29                                |
| MW - 26 | 02/09/17           | 3858.79                     | -                   | 64.52             | 0.00             | 3794.27                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 02/22/17      | 3858.79                     | -                   | 64.57             | 0.00             | 3794.22                                |
| MW - 26 | 03/09/17      | 3858.79                     | -                   | 64.55             | 0.00             | 3794.24                                |
| MW - 26 | 03/16/17      | 3858.79                     | -                   | 64.60             | 0.00             | 3794.19                                |
| MW - 26 | 03/30/17      | 3858.79                     | -                   | 64.63             | 0.00             | 3794.16                                |
| MW - 26 | 04/06/17      | 3858.79                     | -                   | 64.65             | 0.00             | 3794.14                                |
| MW - 26 | 04/12/17      | 3858.79                     | -                   | 64.64             | 0.00             | 3794.15                                |
| MW - 26 | 05/03/17      | 3858.79                     | -                   | 64.62             | 0.00             | 3794.17                                |
| MW - 26 | 05/17/17      | 3858.79                     | -                   | 64.73             | 0.00             | 3794.06                                |
| MW - 26 | 05/26/17      | 3858.79                     | -                   | 64.60             | 0.00             | 3794.19                                |
| MW - 26 | 06/08/17      | 3858.79                     | -                   | 64.76             | 0.00             | 3794.03                                |
| MW - 26 | 06/09/17      | 3858.79                     | -                   | 64.76             | 0.00             | 3794.03                                |
| MW - 26 | 06/30/17      | 3858.79                     | -                   | 64.81             | 0.00             | 3793.98                                |
| MW - 26 | 07/06/17      | 3858.79                     | -                   | 64.86             | 0.00             | 3793.93                                |
| MW - 26 | 07/19/17      | 3858.79                     | -                   | 64.75             | 0.00             | 3794.04                                |
| MW - 26 | 07/23/17      | 3858.79                     | -                   | 64.90             | 0.00             | 3793.89                                |
| MW - 26 | 07/26/17      | 3858.79                     | -                   | 64.75             | 0.00             | 3794.04                                |
| MW - 26 | 08/23/17      | 3858.79                     | -                   | 64.95             | 0.00             | 3793.84                                |
| MW - 26 | 10/10/17      | 3858.79                     | -                   | 65.00             | 0.00             | 3793.79                                |
| MW - 26 | 11/29/17      | 3858.79                     | -                   | 65.14             | 0.00             | 3793.65                                |
| MW - 26 | 01/08/18      | 3858.79                     | -                   | 65.20             | 0.00             | 3793.59                                |
| MW - 26 | 01/18/18      | 3858.79                     | -                   | 65.25             | 0.00             | 3793.54                                |
| MW - 26 | 02/14/18      | 3858.79                     | -                   | 65.32             | 0.00             | 3793.47                                |
| MW - 26 | 04/30/18      | 3858.79                     | -                   | 65.43             | 0.00             | 3793.36                                |
| MW - 26 | 05/03/18      | 3858.79                     | -                   | 65.38             | 0.00             | 3793.41                                |
| MW - 26 | 05/17/18      | 3858.79                     | -                   | 65.41             | 0.00             | 3793.38                                |
| MW - 26 | 07/05/18      | 3858.79                     | -                   | 65.53             | 0.00             | 3793.26                                |
| MW - 26 | 07/26/18      | 3858.79                     | -                   | 65.58             | 0.00             | 3793.21                                |
| MW - 26 | 08/16/18      | 3858.79                     | -                   | 65.58             | 0.00             | 3793.21                                |
| MW - 26 | 11/16/18      | 3858.79                     | -                   | 65.68             | 0.00             | 3793.11                                |
| MW - 26 | 11/29/18      | 3858.79                     | -                   | 65.72             | 0.00             | 3793.07                                |
| MW - 26 | 12/06/18      | 3858.79                     | -                   | 65.75             | 0.00             | 3793.04                                |
| MW - 26 | 12/27/18      | 3858.79                     | -                   | 65.81             | 0.00             | 3792.98                                |
| MW - 26 | 01/04/19      | 3858.79                     | -                   | 65.84             | 0.00             | 3792.95                                |
| MW - 26 | 01/17/19      | 3858.79                     | -                   | 65.90             | 0.00             | 3792.89                                |
| MW - 26 | 02/21/19      | 3858.79                     | -                   | 65.95             | 0.00             | 3792.84                                |
| MW - 26 | 04/04/19      | 3858.79                     | -                   | 66.01             | 0.00             | 3792.78                                |
| MW - 26 | 05/30/19      | 3858.79                     | -                   | 66.08             | 0.00             | 3792.71                                |
| MW - 26 | 08/28/19      | 3858.79                     | -                   | 66.23             | 0.00             | 3792.56                                |
| MW - 26 | 10/31/19      | 3858.79                     | -                   | 66.42             | 0.00             | 3792.37                                |
| MW - 26 | 03/18/20      | 3858.79                     | -                   | 66.61             | 0.00             | 3792.18                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 26 | 05/13/20      | 3858.79                     | -                   | 66.70             | 0.00             | 3792.09                                |
| MW - 26 | 06/10/20      | 3858.79                     | -                   | 66.73             | 0.00             | 3792.06                                |
| MW - 26 | 07/16/20      | 3858.79                     | -                   | 66.79             | 0.00             | 3792.00                                |
| MW - 26 | 08/26/20      | 3858.79                     | -                   | 66.83             | 0.00             | 3791.96                                |
| MW - 26 | 12/18/20      | 3858.79                     | -                   | 66.96             | 0.00             | 3791.83                                |
| MW - 26 | 01/28/21      | 3858.79                     | -                   | 67.04             | 0.00             | 3791.75                                |
| MW - 26 | 03/24/21      | 3858.79                     | -                   | 67.12             | 0.00             | 3791.67                                |
| MW - 26 | 06/23/21      | 3858.79                     | -                   | 67.28             | 0.00             | 3791.51                                |
| MW - 26 | 07/22/21      | 3858.79                     | -                   | 67.38             | 0.00             | 3791.41                                |
| MW - 26 | 08/05/21      | 3858.79                     | -                   | 67.36             | 0.00             | 3791.43                                |
| MW - 26 | 08/20/21      | 3858.79                     | -                   | 67.40             | 0.00             | 3791.39                                |
| MW - 26 | 09/10/21      | 3858.79                     | -                   | 67.43             | 0.00             | 3791.36                                |
| MW - 26 | 10/26/21      | 3858.79                     | -                   | 67.48             | 0.00             | 3791.31                                |
| MW - 26 | 12/15/21      | 3858.79                     | -                   | 67.58             | 0.00             | 3791.21                                |
| MW - 26 | 02/10/22      | 3858.79                     | -                   | 67.62             | 0.00             | 3791.17                                |
| MW - 26 | 05/04/22      | 3858.79                     | -                   | 67.75             | 0.00             | 3791.04                                |
| MW - 26 | 08/02/22      | 3858.79                     | -                   | 67.88             | 0.00             | 3790.91                                |
| MW - 26 | 10/28/22      | 3858.79                     | -                   | 68.02             | 0.00             | 3790.77                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 27 | 06/14/00      | 3858.23                     | -                   | 59.60             | 0.00             | 3798.63                                |
| MW - 27 | 09/22/00      | 3858.23                     | -                   | 59.50             | 0.00             | 3798.73                                |
| MW - 27 | 12/28/00      | 3858.23                     | -                   | 59.54             | 0.00             | 3798.69                                |
| MW - 27 | 03/14/01      | 3858.23                     | -                   | 59.60             | 0.00             | 3798.63                                |
| MW - 27 | 06/06/01      | 3858.23                     | -                   | 59.64             | 0.00             | 3798.59                                |
| MW - 27 | 09/28/01      | 3858.23                     | -                   | 59.88             | 0.00             | 3798.35                                |
| MW - 27 | 11/17/01      | 3858.23                     | -                   | 59.91             | 0.00             | 3798.32                                |
| MW - 27 | 03/26/02      | 3858.23                     | -                   | 60.40             | 0.00             | 3797.83                                |
| MW - 27 | 06/26/02      | 3858.23                     | -                   | 60.16             | 0.00             | 3798.07                                |
| MW - 27 | 09/25/02      | 3858.23                     | -                   | 60.29             | 0.00             | 3797.94                                |
| MW - 27 | 12/10/02      | 3858.23                     | -                   | 60.24             | 0.00             | 3797.99                                |
| MW - 27 | 03/10/03      | 3858.23                     | -                   | 60.43             | 0.00             | 3797.80                                |
| MW - 27 | 06/09/03      | 3858.23                     | -                   | 60.53             | 0.00             | 3797.70                                |
| MW - 27 | 09/03/03      | 3858.23                     | -                   | 60.63             | 0.00             | 3797.60                                |
| MW - 27 | 12/08/03      | 3858.23                     | -                   | 60.76             | 0.00             | 3797.47                                |
| MW - 27 | 03/01/04      | 3858.23                     | -                   | 60.87             | 0.00             | 3797.36                                |
| MW - 27 | 05/19/04      | 3858.23                     | -                   | 60.91             | 0.00             | 3797.32                                |
| MW - 27 | 08/26/04      | 3858.23                     | -                   | 61.02             | 0.00             | 3797.21                                |
| MW - 27 | 12/09/04      | 3858.23                     | -                   | 60.40             | 0.00             | 3797.83                                |
| MW - 27 | 03/17/05      | 3858.23                     | -                   | 60.08             | 0.00             | 3798.15                                |
| MW - 27 | 06/15/05      | 3858.23                     | -                   | 60.16             | 0.00             | 3798.07                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 27 | 09/14/05      | PLUGGED & ABANDONED         |                     |                   |                  |                                        |
| MW - 28 | 06/14/00      | 3858.60                     | -                   | 60.33             | 0.00             | 3798.27                                |
| MW - 28 | 09/22/00      | 3858.60                     | -                   | 60.29             | 0.00             | 3798.31                                |
| MW - 28 | 12/28/00      | 3858.60                     | -                   | 60.33             | 0.00             | 3798.27                                |
| MW - 28 | 03/14/01      | 3858.60                     | -                   | 60.38             | 0.00             | 3798.22                                |
| MW - 28 | 16/16/01      | 3858.60                     | -                   | 60.40             | 0.00             | 3798.20                                |
| MW - 28 | 19/28/01      | 3858.60                     | -                   | 60.63             | 0.00             | 3797.97                                |
| MW - 28 | 11/17/01      | 3858.60                     | -                   | 60.71             | 0.00             | 3797.89                                |
| MW - 28 | 03/26/02      | 3858.60                     | -                   | 60.85             | 0.00             | 3797.75                                |
| MW - 28 | 06/26/02      | 3858.60                     | -                   | 60.93             | 0.00             | 3797.67                                |
| MW - 28 | 09/25/02      | 3858.60                     | -                   | 61.06             | 0.00             | 3797.54                                |
| MW - 28 | 12/10/02      | 3858.60                     | -                   | 61.11             | 0.00             | 3797.49                                |
| MW - 28 | 03/10/03      | 3858.60                     | -                   | 61.21             | 0.00             | 3797.39                                |
| MW - 28 | 06/09/03      | 3858.60                     | -                   | 61.30             | 0.00             | 3797.30                                |
| MW - 28 | 09/03/03      | 3858.60                     | -                   | 61.39             | 0.00             | 3797.21                                |
| MW - 28 | 12/08/03      | 3858.60                     | -                   | 61.52             | 0.00             | 3797.08                                |
| MW - 28 | 03/01/04      | 3858.60                     | -                   | 61.61             | 0.00             | 3796.99                                |
| MW - 28 | 05/19/04      | 3858.60                     | -                   | 61.67             | 0.00             | 3796.93                                |
| MW - 28 | 08/26/04      | 3858.60                     | -                   | 61.75             | 0.00             | 3796.85                                |
| MW - 28 | 12/09/04      | 3858.60                     | -                   | 60.97             | 0.00             | 3797.63                                |
| MW - 28 | 03/17/05      | 3858.60                     | -                   | 60.85             | 0.00             | 3797.75                                |
| MW - 28 | 06/15/05      | 3858.60                     | -                   | 60.95             | 0.00             | 3797.65                                |
| MW - 28 | 09/14/05      | 3858.60                     | -                   | 61.08             | 0.00             | 3797.52                                |
| MW - 28 | 12/13/05      | 3858.60                     | -                   | 61.30             | 0.00             | 3797.30                                |
| MW - 28 | 03/15/06      | 3858.60                     | -                   | 61.45             | 0.00             | 3797.15                                |
| MW - 28 | 06/14/06      | 3858.60                     | -                   | 61.62             | 0.00             | 3796.98                                |
| MW - 28 | 09/13/06      | 3858.60                     | -                   | 61.74             | 0.00             | 3796.86                                |
| MW - 28 | 12/06/06      | 3858.60                     | -                   | 61.79             | 0.00             | 3796.81                                |
| MW - 28 | 03/01/07      | 3858.60                     | -                   | 61.84             | 0.00             | 3796.76                                |
| MW - 28 | 05/24/07      | 3858.60                     | -                   | 61.88             | 0.00             | 3796.72                                |
| MW - 28 | 08/23/07      | 3858.60                     | -                   | 61.96             | 0.00             | 3796.64                                |
| MW - 28 | 11/08/07      | 3858.60                     | -                   | 62.03             | 0.00             | 3796.57                                |
| MW - 28 | 03/04/08      | 3858.60                     | -                   | 62.11             | 0.00             | 3796.49                                |
| MW - 28 | 06/11/08      | 3858.60                     | -                   | 62.18             | 0.00             | 3796.42                                |
| MW - 28 | 09/09/08      | 3858.60                     | -                   | 62.27             | 0.00             | 3796.33                                |
| MW - 28 | 12/11/08      | 3858.60                     | -                   | 62.34             | 0.00             | 3796.26                                |
| MW - 28 | 02/26/09      | 3858.60                     | -                   | 62.39             | 0.00             | 3796.21                                |
| MW - 28 | 05/22/09      | 3858.60                     | -                   | 62.48             | 0.00             | 3796.12                                |
| MW - 28 | 08/18/09      | 3858.60                     | -                   | 62.52             | 0.00             | 3796.08                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 12/10/09      | 3858.60                     | -                   | 62.56             | 0.00             | 3796.04                                |
| MW - 28 | 01/06/10      | 3858.60                     | -                   | 62.58             | 0.00             | 3796.02                                |
| MW - 28 | 02/22/10      | 3858.60                     | -                   | 62.62             | 0.00             | 3795.98                                |
| MW - 28 | 05/06/10      | 3858.60                     | -                   | 62.58             | 0.00             | 3796.02                                |
| MW - 28 | 05/13/10      | 3858.60                     | -                   | 62.60             | 0.00             | 3796.00                                |
| MW - 28 | 05/19/10      | 3858.60                     | -                   | 62.61             | 0.00             | 3795.99                                |
| MW - 28 | 06/04/10      | 3858.60                     | -                   | 62.68             | 0.00             | 3795.92                                |
| MW - 28 | 08/26/10      | 3858.60                     | -                   | 62.69             | 0.00             | 3795.91                                |
| MW - 28 | 11/30/10      | 3858.60                     | -                   | 62.59             | 0.00             | 3796.01                                |
| MW - 28 | 03/08/11      | 3858.60                     | -                   | 62.58             | 0.00             | 3796.02                                |
| MW - 28 | 05/25/11      | 3858.60                     | -                   | 62.58             | 0.00             | 3796.02                                |
| MW - 28 | 08/19/11      | 3858.60                     | -                   | 62.95             | 0.00             | 3795.65                                |
| MW - 28 | 11/15/11      | 3858.60                     | -                   | 62.93             | 0.00             | 3795.67                                |
| MW - 28 | 11/30/11      | 3858.60                     | -                   | 62.96             | 0.00             | 3795.64                                |
| MW - 28 | 01/24/12      | 3858.60                     | -                   | 63.04             | 0.00             | 3795.56                                |
| MW - 28 | 01/31/12      | 3858.60                     | -                   | 63.05             | 0.00             | 3795.55                                |
| MW - 28 | 02/08/12      | 3858.60                     | -                   | 63.05             | 0.00             | 3795.55                                |
| MW - 28 | 02/29/12      | 3858.60                     | -                   | 63.09             | 0.00             | 3795.51                                |
| MW - 28 | 03/09/12      | 3858.60                     | -                   | 63.14             | 0.00             | 3795.46                                |
| MW - 28 | 03/16/12      | 3858.60                     | -                   | 63.13             | 0.00             | 3795.47                                |
| MW - 28 | 03/21/12      | 3858.60                     | -                   | 63.14             | 0.00             | 3795.46                                |
| MW - 28 | 03/28/12      | 3858.60                     | -                   | 63.13             | 0.00             | 3795.47                                |
| MW - 28 | 04/04/12      | 3858.60                     | -                   | 63.15             | 0.00             | 3795.45                                |
| MW - 28 | 04/11/12      | 3858.60                     | -                   | 63.16             | 0.00             | 3795.44                                |
| MW - 28 | 04/18/12      | 3858.60                     | -                   | 63.18             | 0.00             | 3795.42                                |
| MW - 28 | 04/25/12      | 3858.60                     | -                   | 63.18             | 0.00             | 3795.42                                |
| MW - 28 | 05/01/12      | 3858.60                     | -                   | 63.19             | 0.00             | 3795.41                                |
| MW - 28 | 05/09/12      | 3858.60                     | -                   | 63.18             | 0.00             | 3795.42                                |
| MW - 28 | 06/07/12      | 3858.60                     | -                   | 63.23             | 0.00             | 3795.37                                |
| MW - 28 | 06/20/12      | 3858.60                     | -                   | 63.26             | 0.00             | 3795.34                                |
| MW - 28 | 06/27/12      | 3858.60                     | -                   | 63.27             | 0.00             | 3795.33                                |
| MW - 28 | 07/11/12      | 3858.60                     | -                   | 63.31             | 0.00             | 3795.29                                |
| MW - 28 | 08/10/12      | 3858.60                     | -                   | 63.55             | 0.00             | 3795.05                                |
| MW - 28 | 09/06/12      | 3858.60                     | -                   | 63.35             | 0.00             | 3795.25                                |
| MW - 28 | 10/04/12      | 3858.60                     | -                   | 63.45             | 0.00             | 3795.15                                |
| MW - 28 | 10/12/12      | 3858.60                     | -                   | 63.50             | 0.00             | 3795.10                                |
| MW - 28 | 10/18/12      | 3858.60                     | -                   | 63.47             | 0.00             | 3795.13                                |
| MW - 28 | 10/25/12      | 3858.60                     | -                   | 63.46             | 0.00             | 3795.14                                |
| MW - 28 | 10/31/12      | 3858.60                     | -                   | 63.45             | 0.00             | 3795.15                                |
| MW - 28 | 11/15/12      | 3858.60                     | -                   | 63.46             | 0.00             | 3795.14                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 11/27/12      | 3858.60                     | -                   | 63.45             | 0.00             | 3795.15                                |
| MW - 28 | 12/19/12      | 3858.60                     | -                   | 63.51             | 0.00             | 3795.09                                |
| MW - 28 | 01/17/13      | 3858.60                     | -                   | 63.55             | 0.00             | 3795.05                                |
| MW - 28 | 01/31/13      | 3858.60                     | -                   | 63.54             | 0.00             | 3795.06                                |
| MW - 28 | 02/21/13      | 3858.60                     | -                   | 63.54             | 0.00             | 3795.06                                |
| MW - 28 | 03/05/13      | 3858.60                     | -                   | 63.38             | 0.00             | 3795.22                                |
| MW - 28 | 03/21/13      | 3858.60                     | -                   | 63.56             | 0.00             | 3795.04                                |
| MW - 28 | 04/04/13      | 3858.60                     | -                   | 63.60             | 0.00             | 3795.00                                |
| MW - 28 | 04/11/13      | 3858.60                     | -                   | 63.61             | 0.00             | 3794.99                                |
| MW - 28 | 04/18/13      | 3858.60                     | -                   | 63.63             | 0.00             | 3794.97                                |
| MW - 28 | 04/25/13      | 3858.60                     | -                   | 63.64             | 0.00             | 3794.96                                |
| MW - 28 | 05/01/13      | 3858.60                     | -                   | 63.63             | 0.00             | 3794.97                                |
| MW - 28 | 05/10/13      | 3858.60                     | -                   | 63.63             | 0.00             | 3794.97                                |
| MW - 28 | 05/15/13      | 3858.60                     | -                   | 63.61             | 0.00             | 3794.99                                |
| MW - 28 | 05/24/13      | 3858.60                     | -                   | 63.50             | 0.00             | 3795.10                                |
| MW - 28 | 05/30/13      | 3858.60                     | -                   | 63.64             | 0.00             | 3794.96                                |
| MW - 28 | 06/06/13      | 3858.60                     | -                   | 63.67             | 0.00             | 3794.93                                |
| MW - 28 | 06/14/13      | 3858.60                     | -                   | 63.66             | 0.00             | 3794.94                                |
| MW - 28 | 06/20/13      | 3858.60                     | -                   | 63.67             | 0.00             | 3794.93                                |
| MW - 28 | 06/27/13      | 3858.60                     | -                   | 63.65             | 0.00             | 3794.95                                |
| MW - 28 | 07/03/13      | 3858.60                     | -                   | 64.67             | 0.00             | 3793.93                                |
| MW - 28 | 07/10/13      | 3858.60                     | -                   | 63.39             | 0.00             | 3795.21                                |
| MW - 28 | 07/25/13      | 3858.60                     | -                   | 63.69             | 0.00             | 3794.91                                |
| MW - 28 | 07/31/13      | 3858.60                     | -                   | 63.68             | 0.00             | 3794.92                                |
| MW - 28 | 08/21/13      | 3858.60                     | -                   | 63.66             | 0.00             | 3794.94                                |
| MW - 28 | 08/29/13      | 3858.60                     | -                   | 63.70             | 0.00             | 3794.90                                |
| MW - 28 | 09/09/13      | 3858.60                     | -                   | 63.83             | 0.00             | 3794.77                                |
| MW - 28 | 09/18/13      | 3858.60                     | -                   | 63.81             | 0.00             | 3794.79                                |
| MW - 28 | 09/27/13      | 3858.60                     | -                   | 63.82             | 0.00             | 3794.78                                |
| MW - 28 | 10/02/13      | 3858.60                     | -                   | 63.79             | 0.00             | 3794.81                                |
| MW - 28 | 10/08/13      | 3858.60                     | -                   | 63.81             | 0.00             | 3794.79                                |
| MW - 28 | 10/16/13      | 3858.60                     | -                   | 63.84             | 0.00             | 3794.76                                |
| MW - 28 | 10/24/13      | 3858.60                     | -                   | 63.71             | 0.00             | 3794.89                                |
| MW - 28 | 10/31/13      | 3858.60                     | -                   | 63.72             | 0.00             | 3794.88                                |
| MW - 28 | 11/11/13      | 3858.60                     | -                   | 63.73             | 0.00             | 3794.87                                |
| MW - 28 | 12/11/13      | 3858.60                     | -                   | 63.78             | 0.00             | 3794.82                                |
| MW - 28 | 12/17/13      | 3858.60                     | -                   | 63.79             | 0.00             | 3794.81                                |
| MW - 28 | 01/03/14      | 3858.60                     | -                   | 63.95             | 0.00             | 3794.65                                |
| MW - 28 | 01/09/14      | 3858.60                     | -                   | 63.85             | 0.00             | 3794.75                                |
| MW - 28 | 01/15/14      | 3858.60                     | -                   | 63.90             | 0.00             | 3794.70                                |



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 01/22/14      | 3858.60                     | -                   | 63.87             | 0.00             | 3794.73                                |
| MW - 28 | 01/29/14      | 3858.60                     | -                   | 63.90             | 0.00             | 3794.70                                |
| MW - 28 | 02/20/14      | 3858.60                     | -                   | 63.82             | 0.00             | 3794.78                                |
| MW - 28 | 03/04/14      | 3858.60                     | -                   | 63.84             | 0.00             | 3794.76                                |
| MW - 28 | 03/11/14      | 3858.60                     | -                   | 63.97             | 0.00             | 3794.63                                |
| MW - 28 | 03/18/14      | 3858.60                     | -                   | 63.88             | 0.00             | 3794.72                                |
| MW - 28 | 03/29/14      | 3858.60                     | -                   | 63.92             | 0.00             | 3794.68                                |
| MW - 28 | 04/01/14      | 3858.60                     | -                   | 63.90             | 0.00             | 3794.70                                |
| MW - 28 | 04/08/14      | 3858.60                     | -                   | 63.92             | 0.00             | 3794.68                                |
| MW - 28 | 04/18/14      | 3858.60                     | -                   | 63.93             | 0.00             | 3794.67                                |
| MW - 28 | 04/23/14      | 3858.60                     | -                   | 63.96             | 0.00             | 3794.64                                |
| MW - 28 | 05/05/14      | 3858.60                     | -                   | 63.88             | 0.00             | 3794.72                                |
| MW - 28 | 05/16/14      | 3858.60                     | -                   | 63.90             | 0.00             | 3794.70                                |
| MW - 28 | 05/20/14      | 3858.60                     | -                   | 63.99             | 0.00             | 3794.61                                |
| MW - 28 | 05/30/14      | 3858.60                     | -                   | 63.98             | 0.00             | 3794.62                                |
| MW - 28 | 06/18/14      | 3858.60                     | -                   | 63.95             | 0.00             | 3794.65                                |
| MW - 28 | 06/27/14      | 3858.60                     | -                   | 63.99             | 0.00             | 3794.61                                |
| MW - 28 | 07/02/14      | 3858.60                     | -                   | 64.03             | 0.00             | 3794.57                                |
| MW - 28 | 07/10/14      | 3858.60                     | -                   | 64.02             | 0.00             | 3794.58                                |
| MW - 28 | 07/29/14      | 3858.60                     | -                   | 64.05             | 0.00             | 3794.55                                |
| MW - 28 | 07/30/14      | 3858.60                     | -                   | 64.05             | 0.00             | 3794.55                                |
| MW - 28 | 08/08/14      | 3858.60                     | -                   | 64.01             | 0.00             | 3794.59                                |
| MW - 28 | 08/19/14      | 3858.60                     | -                   | 64.00             | 0.00             | 3794.60                                |
| MW - 28 | 09/04/14      | 3858.60                     | -                   | 64.08             | 0.00             | 3794.52                                |
| MW - 28 | 09/11/14      | 3858.60                     | -                   | 64.08             | 0.00             | 3794.52                                |
| MW - 28 | 10/16/14      | 3858.60                     | -                   | 64.10             | 0.00             | 3794.50                                |
| MW - 28 | 10/22/14      | 3858.60                     | -                   | 64.11             | 0.00             | 3794.49                                |
| MW - 28 | 10/30/14      | 3858.60                     | -                   | 64.09             | 0.00             | 3794.51                                |
| MW - 28 | 11/24/14      | 3858.60                     | -                   | 64.11             | 0.00             | 3794.49                                |
| MW - 28 | 12/05/14      | 3858.60                     | -                   | 64.02             | 0.00             | 3794.58                                |
| MW - 28 | 12/12/14      | 3858.60                     | -                   | 64.12             | 0.00             | 3794.48                                |
| MW - 28 | 12/19/14      | 3858.60                     | -                   | 64.13             | 0.00             | 3794.47                                |
| MW - 28 | 01/07/15      | 3858.60                     | -                   | 64.17             | 0.00             | 3794.43                                |
| MW - 28 | 01/15/15      | 3858.60                     | -                   | 64.12             | 0.00             | 3794.48                                |
| MW - 28 | 02/05/15      | 3858.60                     | -                   | 64.12             | 0.00             | 3794.48                                |
| MW - 28 | 02/11/15      | 3858.60                     | -                   | 64.10             | 0.00             | 3794.50                                |
| MW - 28 | 02/20/15      | 3858.60                     | -                   | 64.18             | 0.00             | 3794.42                                |
| MW - 28 | 03/06/15      | 3858.60                     | -                   | 64.20             | 0.00             | 3794.40                                |
| MW - 28 | 03/11/15      | 3858.60                     | -                   | 64.16             | 0.00             | 3794.44                                |
| MW - 28 | 03/13/15      | 3858.60                     | -                   | 64.16             | 0.00             | 3794.44                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 03/17/15      | 3858.60                     | -                   | 64.16             | 0.00             | 3794.44                                |
| MW - 28 | 04/01/15      | 3858.60                     | -                   | 64.12             | 0.00             | 3794.48                                |
| MW - 28 | 04/09/15      | 3858.60                     | -                   | 64.20             | 0.00             | 3794.40                                |
| MW - 28 | 04/15/15      | 3858.60                     | -                   | 64.19             | 0.00             | 3794.41                                |
| MW - 28 | 04/17/15      | 3858.60                     | -                   | 62.13             | 0.00             | 3796.47                                |
| MW - 28 | 04/28/15      | 3858.60                     | -                   | 64.21             | 0.00             | 3794.39                                |
| MW - 28 | 05/19/15      | 3858.60                     | -                   | 64.20             | 0.00             | 3794.40                                |
| MW - 28 | 06/02/15      | 3858.60                     | -                   | 64.11             | 0.00             | 3794.49                                |
| MW - 28 | 06/11/15      | 3858.60                     | -                   | 64.13             | 0.00             | 3794.47                                |
| MW - 28 | 06/17/15      | 3858.60                     | -                   | 64.13             | 0.00             | 3794.47                                |
| MW - 28 | 06/25/15      | 3858.60                     | -                   | 64.13             | 0.00             | 3794.47                                |
| MW - 28 | 07/01/15      | 3858.60                     | -                   | 64.16             | 0.00             | 3794.44                                |
| MW - 28 | 07/08/15      | 3858.60                     | -                   | 64.17             | 0.00             | 3794.43                                |
| MW - 28 | 07/15/15      | 3858.60                     | -                   | 64.17             | 0.00             | 3794.43                                |
| MW - 28 | 07/22/15      | 3858.60                     | -                   | 64.31             | 0.00             | 3794.29                                |
| MW - 28 | 07/29/15      | 3858.60                     | -                   | 64.18             | 0.00             | 3794.42                                |
| MW - 28 | 07/31/15      | 3858.60                     | -                   | 64.21             | 0.00             | 3794.39                                |
| MW - 28 | 08/06/15      | 3858.60                     | -                   | 64.17             | 0.00             | 3794.43                                |
| MW - 28 | 08/12/15      | 3858.60                     | -                   | 64.19             | 0.00             | 3794.41                                |
| MW - 28 | 08/17/15      | 3858.60                     | -                   | 64.20             | 0.00             | 3794.40                                |
| MW - 28 | 08/19/15      | 3858.60                     | -                   | 64.22             | 0.00             | 3794.38                                |
| MW - 28 | 08/27/15      | 3858.60                     | -                   | 64.19             | 0.00             | 3794.41                                |
| MW - 28 | 09/03/15      | 3858.60                     | -                   | 64.21             | 0.00             | 3794.39                                |
| MW - 28 | 09/09/15      | 3858.60                     | -                   | 64.27             | 0.00             | 3794.33                                |
| MW - 28 | 09/11/15      | 3858.60                     | -                   | 64.34             | 0.00             | 3794.26                                |
| MW - 28 | 09/15/15      | 3858.60                     | -                   | 64.32             | 0.00             | 3794.28                                |
| MW - 28 | 09/22/15      | 3858.60                     | -                   | 64.30             | 0.00             | 3794.30                                |
| MW - 28 | 09/30/15      | 3858.60                     | -                   | 64.32             | 0.00             | 3794.28                                |
| MW - 28 | 10/06/15      | 3858.60                     | -                   | 64.31             | 0.00             | 3794.29                                |
| MW - 28 | 10/13/15      | 3858.60                     | -                   | 64.31             | 0.00             | 3794.29                                |
| MW - 28 | 10/22/15      | 3858.60                     | -                   | 64.38             | 0.00             | 3794.22                                |
| MW - 28 | 10/27/15      | 3858.60                     | -                   | 64.37             | 0.00             | 3794.23                                |
| MW - 28 | 11/11/15      | 3858.60                     | -                   | 64.34             | 0.00             | 3794.26                                |
| MW - 28 | 11/18/15      | 3858.60                     | -                   | 64.28             | 0.00             | 3794.32                                |
| MW - 28 | 12/03/15      | 3858.60                     | -                   | 64.39             | 0.00             | 3794.21                                |
| MW - 28 | 12/10/15      | 3858.60                     | -                   | 64.28             | 0.00             | 3794.32                                |
| MW - 28 | 12/22/15      | 3858.60                     | -                   | 64.40             | 0.00             | 3794.20                                |
| MW - 28 | 01/08/16      | 3858.60                     | -                   | 64.47             | 0.00             | 3794.13                                |
| MW - 28 | 01/14/16      | 3858.60                     | -                   | 64.28             | 0.00             | 3794.32                                |
| MW - 28 | 01/28/16      | 3858.60                     | -                   | 64.38             | 0.00             | 3794.22                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 02/02/16           | 3858.60                     | -                   | 64.45             | 0.00             | 3794.15                                |
| MW - 28 | 02/09/16           | 3858.60                     | -                   | 64.33             | 0.00             | 3794.27                                |
| MW - 28 | 03/02/16           | 3858.60                     | -                   | 64.47             | 0.00             | 3794.13                                |
| MW - 28 | 03/09/16           | 3858.60                     | -                   | 64.52             | 0.00             | 3794.08                                |
| MW - 28 | 03/17/16           | 3858.60                     | -                   | 64.46             | 0.00             | 3794.14                                |
| MW - 28 | 04/06/16           | 3858.60                     | -                   | 64.46             | 0.00             | 3794.14                                |
| MW - 28 | 04/13/16           | 3858.60                     | -                   | 64.48             | 0.00             | 3794.12                                |
| MW - 28 | 04/20/16           | 3858.60                     | -                   | 64.48             | 0.00             | 3794.12                                |
| MW - 28 | 04/27/16           | 3858.60                     | -                   | 64.51             | 0.00             | 3794.09                                |
| MW - 28 | 04/28/16           | 3858.60                     | -                   | 64.51             | 0.00             | 3794.09                                |
| MW - 28 | 05/05/16           | 3858.60                     | -                   | 64.50             | 0.00             | 3794.10                                |
| MW - 28 | 05/10/16           | 3858.60                     | -                   | 64.50             | 0.00             | 3794.10                                |
| MW - 28 | 06/08/16           | 3858.60                     | -                   | 64.63             | 0.00             | 3793.97                                |
| MW - 28 | 06/15/16           | 3858.60                     | -                   | 64.61             | 0.00             | 3793.99                                |
| MW - 28 | 06/21/16           | 3858.60                     | -                   | 64.55             | 0.00             | 3794.05                                |
| MW - 28 | 06/30/16           | 3858.60                     | -                   | 64.57             | 0.00             | 3794.03                                |
| MW - 28 | 07/01/16           | 3858.60                     | -                   | 64.57             | 0.00             | 3794.03                                |
| MW - 28 | 07/15/16           | 3858.60                     | -                   | 64.59             | 0.00             | 3794.01                                |
| MW - 28 | 07/21/16           | 3858.60                     | -                   | 64.59             | 0.00             | 3794.01                                |
| MW - 28 | 07/28/16           | 3858.60                     | -                   | 64.53             | 0.00             | 3794.07                                |
| MW - 28 | 08/02/16           | 3858.60                     | -                   | 64.60             | 0.00             | 3794.00                                |
| MW - 28 | 08/09/16           | 3858.60                     | -                   | 64.47             | 0.00             | 3794.13                                |
| MW - 28 | 08/16/16           | 3858.60                     | -                   | 64.49             | 0.00             | 3794.11                                |
| MW - 28 | 08/25/16           | 3858.60                     | -                   | 64.60             | 0.00             | 3794.00                                |
| MW - 28 | 09/08/16           | 3858.60                     | -                   | 64.61             | 0.00             | 3793.99                                |
| MW - 28 | 9/14/16 -9/15/2016 | 3858.60                     | -                   | 64.63             | 0.00             | 3793.97                                |
| MW - 28 | 09/22/16           | 3858.60                     | -                   | 64.65             | 0.00             | 3793.95                                |
| MW - 28 | 09/29/16           | 3858.60                     | -                   | 64.67             | 0.00             | 3793.93                                |
| MW - 28 | 10/13/16           | 3858.60                     | -                   | 64.67             | 0.00             | 3793.93                                |
| MW - 28 | 10/20/16           | 3858.60                     | -                   | 64.68             | 0.00             | 3793.92                                |
| MW - 28 | 10/27/16           | 3858.60                     | -                   | 64.58             | 0.00             | 3794.02                                |
| MW - 28 | 11/10/16           | 3858.60                     | -                   | 64.61             | 0.00             | 3793.99                                |
| MW - 28 | 11/16/16           | 3858.60                     | -                   | 64.59             | 0.00             | 3794.01                                |
| MW - 28 | 12/09/16           | 3858.60                     | -                   | 64.63             | 0.00             | 3793.97                                |
| MW - 28 | 12/14/16           | 3858.60                     | -                   | 64.66             | 0.00             | 3793.94                                |
| MW - 28 | 01/05/17           | 3858.60                     | -                   | 64.66             | 0.00             | 3793.94                                |
| MW - 28 | 01/12/17           | 3858.60                     | -                   | 64.68             | 0.00             | 3793.92                                |
| MW - 28 | 01/19/17           | 3858.60                     | -                   | 64.68             | 0.00             | 3793.92                                |
| MW - 28 | 01/20/17           | 3858.60                     | -                   | 64.68             | 0.00             | 3793.92                                |
| MW - 28 | 01/25/17           | 3858.60                     | -                   | 64.71             | 0.00             | 3793.89                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 02/02/17      | 3858.60                     | -                   | 64.72             | 0.00             | 3793.88                                |
| MW - 28 | 02/09/17      | 3858.60                     | -                   | 64.66             | 0.00             | 3793.94                                |
| MW - 28 | 02/22/17      | 3858.60                     | -                   | 64.74             | 0.00             | 3793.86                                |
| MW - 28 | 03/09/17      | 3858.60                     | -                   | 64.77             | 0.00             | 3793.83                                |
| MW - 28 | 03/16/17      | 3858.60                     | -                   | 64.76             | 0.00             | 3793.84                                |
| MW - 28 | 03/30/17      | 3858.60                     | -                   | 64.79             | 0.00             | 3793.81                                |
| MW - 28 | 04/06/17      | 3858.60                     | -                   | 64.82             | 0.00             | 3793.78                                |
| MW - 28 | 04/12/17      | 3858.60                     | -                   | 64.82             | 0.00             | 3793.78                                |
| MW - 28 | 05/03/17      | 3858.60                     | -                   | 64.87             | 0.00             | 3793.73                                |
| MW - 28 | 05/17/17      | 3858.60                     | -                   | 64.87             | 0.00             | 3793.73                                |
| MW - 28 | 05/26/17      | 3858.60                     | -                   | 64.86             | 0.00             | 3793.74                                |
| MW - 28 | 06/08/17      | 3858.60                     | -                   | 64.94             | 0.00             | 3793.66                                |
| MW - 28 | 06/09/17      | 3858.60                     | -                   | 64.94             | 0.00             | 3793.66                                |
| MW - 28 | 06/30/17      | 3858.60                     | -                   | 64.98             | 0.00             | 3793.62                                |
| MW - 28 | 07/06/17      | 3858.60                     | -                   | 65.01             | 0.00             | 3793.59                                |
| MW - 28 | 07/19/17      | 3858.60                     | -                   | 64.97             | 0.00             | 3793.63                                |
| MW - 28 | 07/23/17      | 3858.60                     | -                   | 65.04             | 0.00             | 3793.56                                |
| MW - 28 | 07/26/17      | 3858.60                     | -                   | 64.91             | 0.00             | 3793.69                                |
| MW - 28 | 08/23/17      | 3858.60                     | -                   | 65.10             | 0.00             | 3793.50                                |
| MW - 28 | 09/28/17      | 3858.60                     | -                   | 65.18             | 0.00             | 3793.42                                |
| MW - 28 | 10/10/17      | 3858.60                     | -                   | 65.19             | 0.00             | 3793.41                                |
| MW - 28 | 11/29/17      | 3858.60                     | -                   | 65.32             | 0.00             | 3793.28                                |
| MW - 28 | 01/08/18      | 3858.60                     | -                   | 65.36             | 0.00             | 3793.24                                |
| MW - 28 | 01/18/18      | 3858.60                     | -                   | 65.40             | 0.00             | 3793.20                                |
| MW - 28 | 02/14/18      | 3858.60                     | -                   | 65.43             | 0.00             | 3793.17                                |
| MW - 28 | 04/30/18      | 3858.60                     | -                   | 65.44             | 0.00             | 3793.16                                |
| MW - 28 | 05/03/18      | 3858.60                     | -                   | 65.47             | 0.00             | 3793.13                                |
| MW - 28 | 05/17/18      | 3858.60                     | -                   | 65.67             | 0.00             | 3792.93                                |
| MW - 28 | 07/06/18      | 3858.60                     | -                   | 65.67             | 0.00             | 3792.93                                |
| MW - 28 | 07/26/18      | 3858.60                     | -                   | 65.69             | 0.00             | 3792.91                                |
| MW - 28 | 08/16/18      | 3858.60                     | -                   | 65.73             | 0.00             | 3792.87                                |
| MW - 28 | 11/16/18      | 3858.60                     | -                   | 65.87             | 0.00             | 3792.73                                |
| MW - 28 | 11/29/18      | 3858.60                     | -                   | 65.90             | 0.00             | 3792.70                                |
| MW - 28 | 12/06/18      | 3858.60                     | -                   | 65.93             | 0.00             | 3792.67                                |
| MW - 28 | 12/11/18      | 3858.60                     | -                   | 66.03             | 0.00             | 3792.57                                |
| MW - 28 | 12/27/18      | 3858.60                     | -                   | 66.06             | 0.00             | 3792.54                                |
| MW - 28 | 01/04/19      | 3858.60                     | -                   | 66.09             | 0.00             | 3792.51                                |
| MW - 28 | 01/17/19      | 3858.60                     | -                   | 66.15             | 0.00             | 3792.45                                |
| MW - 28 | 01/24/19      | 3858.60                     | -                   | 66.16             | 0.00             | 3792.44                                |
| MW - 28 | 02/21/19      | 3858.60                     | -                   | 66.11             | 0.00             | 3792.49                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 28 | 04/04/19      | 3858.60                     | -                   | 66.26             | 0.00             | 3792.34                                |
| MW - 28 | 05/30/19      | 3858.60                     | -                   | 66.28             | 0.00             | 3792.32                                |
| MW - 28 | 08/28/19      | 3858.60                     | -                   | 66.49             | 0.00             | 3792.11                                |
| MW - 28 | 10/31/19      | 3858.60                     | -                   | 66.63             | 0.00             | 3791.97                                |
| MW - 28 | 03/18/20      | 3858.60                     | -                   | 66.89             | 0.00             | 3791.71                                |
| MW - 28 | 05/13/20      | 3858.60                     | -                   | 66.97             | 0.00             | 3791.63                                |
| MW - 28 | 06/10/20      | 3858.60                     | -                   | 66.99             | 0.00             | 3791.61                                |
| MW - 28 | 07/16/20      | 3858.60                     | -                   | 67.06             | 0.00             | 3791.54                                |
| MW - 28 | 08/26/20      | 3858.60                     | -                   | 66.99             | 0.00             | 3791.61                                |
| MW - 28 | 12/18/20      | 3858.60                     | -                   | 67.14             | 0.00             | 3791.46                                |
| MW - 28 | 01/28/21      | 3858.60                     | -                   | 67.21             | 0.00             | 3791.39                                |
| MW - 28 | 03/23/21      | 3858.60                     | -                   | 67.32             | 0.00             | 3791.28                                |
| MW - 28 | 06/23/21      | 3858.60                     | -                   | 67.37             | 0.00             | 3791.23                                |
| MW - 28 | 07/22/21      | 3858.60                     | -                   | 67.56             | 0.00             | 3791.04                                |
| MW - 28 | 09/10/21      | 3858.60                     | -                   | 67.64             | 0.00             | 3790.96                                |
| MW - 28 | 10/26/21      | 3858.60                     | -                   | 67.68             | 0.00             | 3790.92                                |
| MW - 28 | 12/15/21      | 3858.60                     | -                   | 67.80             | 0.00             | 3790.80                                |
| MW - 28 | 02/10/22      | 3858.60                     | -                   | 67.82             | 0.00             | 3790.78                                |
| MW - 28 | 05/04/22      | 3858.60                     | -                   | 67.97             | 0.00             | 3790.63                                |
| MW - 28 | 08/02/22      | 3858.60                     | -                   | 67.99             | 0.00             | 3790.61                                |
| MW - 28 | 10/28/22      | 3858.60                     | -                   | 68.22             | 0.00             | 3790.38                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 29 | 03/26/02      | 3858.54                     | -                   | 61.28             | 0.00             | 3797.26                                |
| MW - 29 | 06/26/02      | 3858.54                     | -                   | 61.42             | 0.00             | 3797.12                                |
| MW - 29 | 09/25/02      | 3858.54                     | -                   | 61.53             | 0.00             | 3797.01                                |
| MW - 29 | 12/10/02      | 3858.54                     | -                   | 61.59             | 0.00             | 3796.95                                |
| MW - 29 | 03/10/03      | 3858.54                     | -                   | 61.68             | 0.00             | 3796.86                                |
| MW - 29 | 06/09/03      | 3858.54                     | -                   | 61.30             | 0.00             | 3797.24                                |
| MW - 29 | 09/03/03      | 3858.54                     | -                   | 61.86             | 0.00             | 3796.68                                |
| MW - 29 | 12/08/03      | 3858.54                     | -                   | 62.00             | 0.00             | 3796.54                                |
| MW - 29 | 03/01/04      | 3858.54                     | -                   | 62.08             | 0.00             | 3796.46                                |
| MW - 29 | 05/19/04      | 3858.54                     | -                   | 62.14             | 0.00             | 3796.40                                |
| MW - 29 | 08/26/04      | 3858.54                     | -                   | 62.25             | 0.00             | 3796.29                                |
| MW - 29 | 12/09/04      | 3858.54                     | -                   | 61.65             | 0.00             | 3796.89                                |
| MW - 29 | 03/17/05      | 3858.54                     | -                   | 61.40             | 0.00             | 3797.14                                |
| MW - 29 | 06/15/05      | 3858.54                     | -                   | 61.45             | 0.00             | 3797.09                                |
| MW - 29 | 09/14/05      | 3858.54                     | -                   | 61.58             | 0.00             | 3796.96                                |
| MW - 29 | 12/13/05      | 3858.54                     | -                   | 61.80             | 0.00             | 3796.74                                |
| MW - 29 | 03/15/06      | 3858.54                     | -                   | 61.97             | 0.00             | 3796.57                                |
| MW - 29 | 06/14/06      | 3858.54                     | -                   | 62.09             | 0.00             | 3796.45                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 09/13/06      | 3858.54                     | -                   | 62.19             | 0.00             | 3796.35                                |
| MW - 29 | 12/06/06      | 3858.54                     | -                   | 62.26             | 0.00             | 3796.28                                |
| MW - 29 | 03/01/07      | 3858.54                     | -                   | 62.30             | 0.00             | 3796.24                                |
| MW - 29 | 05/24/07      | 3858.54                     | -                   | 62.38             | 0.00             | 3796.16                                |
| MW - 29 | 08/23/07      | 3858.54                     | -                   | 62.44             | 0.00             | 3796.10                                |
| MW - 29 | 11/08/07      | 3858.54                     | -                   | 62.52             | 0.00             | 3796.02                                |
| MW - 29 | 03/04/08      | 3858.54                     | -                   | 62.59             | 0.00             | 3795.95                                |
| MW - 29 | 06/11/08      | 3858.54                     | -                   | 62.67             | 0.00             | 3795.87                                |
| MW - 29 | 09/09/08      | 3858.54                     | -                   | 62.74             | 0.00             | 3795.80                                |
| MW - 29 | 12/11/08      | 3858.54                     | -                   | 61.83             | 0.00             | 3796.71                                |
| MW - 29 | 02/27/09      | 3858.54                     | -                   | 62.87             | 0.00             | 3795.67                                |
| MW - 29 | 05/22/09      | 3858.54                     | -                   | 62.93             | 0.00             | 3795.61                                |
| MW - 29 | 08/18/09      | 3858.54                     | -                   | 62.98             | 0.00             | 3795.56                                |
| MW - 29 | 12/10/09      | 3858.54                     | -                   | 63.03             | 0.00             | 3795.51                                |
| MW - 29 | 01/06/10      | 3858.54                     | -                   | 63.02             | 0.00             | 3795.52                                |
| MW - 29 | 02/22/10      | 3858.54                     | -                   | 63.06             | 0.00             | 3795.48                                |
| MW - 29 | 05/06/10      | 3858.54                     | -                   | 63.02             | 0.00             | 3795.52                                |
| MW - 29 | 05/13/10      | 3858.54                     | -                   | 63.01             | 0.00             | 3795.53                                |
| MW - 29 | 05/19/10      | 3858.54                     | -                   | 63.00             | 0.00             | 3795.54                                |
| MW - 29 | 06/04/10      | 3858.54                     | -                   | 63.14             | 0.00             | 3795.40                                |
| MW - 29 | 08/26/10      | 3858.54                     | -                   | 63.16             | 0.00             | 3795.38                                |
| MW - 29 | 11/30/10      | 3858.54                     | -                   | 63.06             | 0.00             | 3795.48                                |
| MW - 29 | 03/08/11      | 3858.54                     | -                   | 63.08             | 0.00             | 3795.46                                |
| MW - 29 | 05/25/11      | 3858.54                     | -                   | 63.10             | 0.00             | 3795.44                                |
| MW - 29 | 08/19/11      | 3858.54                     | -                   | 63.47             | 0.00             | 3795.07                                |
| MW - 29 | 11/15/11      | 3858.54                     | -                   | 63.55             | 0.00             | 3794.99                                |
| MW - 29 | 11/30/11      | 3858.54                     | -                   | 63.40             | 0.00             | 3795.14                                |
| MW - 29 | 01/24/12      | 3858.54                     | -                   | 63.51             | 0.00             | 3795.03                                |
| MW - 29 | 01/31/12      | 3858.54                     | -                   | 63.51             | 0.00             | 3795.03                                |
| MW - 29 | 02/08/12      | 3858.54                     | -                   | 63.53             | 0.00             | 3795.01                                |
| MW - 29 | 02/29/12      | 3858.54                     | -                   | 63.55             | 0.00             | 3794.99                                |
| MW - 29 | 03/09/12      | 3858.54                     | -                   | 63.60             | 0.00             | 3794.94                                |
| MW - 29 | 03/16/12      | 3858.54                     | -                   | 63.59             | 0.00             | 3794.95                                |
| MW - 29 | 03/21/12      | 3858.54                     | -                   | 63.60             | 0.00             | 3794.94                                |
| MW - 29 | 03/28/12      | 3858.54                     | -                   | 63.60             | 0.00             | 3794.94                                |
| MW - 29 | 04/04/12      | 3858.54                     | -                   | 63.62             | 0.00             | 3794.92                                |
| MW - 29 | 04/11/12      | 3858.54                     | -                   | 63.62             | 0.00             | 3794.92                                |
| MW - 29 | 04/18/12      | 3858.54                     | -                   | 63.62             | 0.00             | 3794.92                                |
| MW - 29 | 04/25/12      | 3858.54                     | -                   | 63.64             | 0.00             | 3794.90                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 05/01/12      | 3858.54                     | -                   | 63.65             | 0.00             | 3794.89                                |
| MW - 29 | 05/09/12      | 3858.54                     | -                   | 63.64             | 0.00             | 3794.90                                |
| MW - 29 | 06/07/12      | 3858.54                     | -                   | 63.68             | 0.00             | 3794.86                                |
| MW - 29 | 06/20/12      | 3858.54                     | -                   | 63.73             | 0.00             | 3794.81                                |
| MW - 29 | 06/27/12      | 3858.54                     | -                   | 63.73             | 0.00             | 3794.81                                |
| MW - 29 | 07/11/12      | 3858.54                     | -                   | 63.76             | 0.00             | 3794.78                                |
| MW - 29 | 08/10/12      | 3858.54                     | -                   | 63.99             | 0.00             | 3794.55                                |
| MW - 29 | 09/06/12      | 3858.54                     | -                   | 63.80             | 0.00             | 3794.74                                |
| MW - 29 | 10/04/12      | 3858.54                     | -                   | 63.91             | 0.00             | 3794.63                                |
| MW - 29 | 10/12/12      | 3858.54                     | -                   | 63.92             | 0.00             | 3794.62                                |
| MW - 29 | 10/18/12      | 3858.54                     | -                   | 63.93             | 0.00             | 3794.61                                |
| MW - 29 | 10/25/12      | 3858.54                     | -                   | 63.92             | 0.00             | 3794.62                                |
| MW - 29 | 10/31/12      | 3858.54                     | -                   | 63.90             | 0.00             | 3794.64                                |
| MW - 29 | 11/15/12      | 3858.54                     | -                   | 63.92             | 0.00             | 3794.62                                |
| MW - 29 | 11/27/12      | 3858.54                     | -                   | 63.91             | 0.00             | 3794.63                                |
| MW - 29 | 12/19/12      | 3858.54                     | -                   | 63.97             | 0.00             | 3794.57                                |
| MW - 29 | 01/17/13      | 3858.54                     | -                   | 63.99             | 0.00             | 3794.55                                |
| MW - 29 | 01/31/13      | 3858.54                     | -                   | 64.01             | 0.00             | 3794.53                                |
| MW - 29 | 02/21/13      | 3858.54                     | -                   | 64.00             | 0.00             | 3794.54                                |
| MW - 29 | 03/05/13      | 3858.54                     | -                   | 64.05             | 0.00             | 3794.49                                |
| MW - 29 | 03/21/13      | 3858.54                     | -                   | 64.01             | 0.00             | 3794.53                                |
| MW - 29 | 04/04/13      | 3858.54                     | -                   | 64.06             | 0.00             | 3794.48                                |
| MW - 29 | 04/11/13      | 3858.54                     | -                   | 64.05             | 0.00             | 3794.49                                |
| MW - 29 | 04/18/13      | 3858.54                     | -                   | 64.09             | 0.00             | 3794.45                                |
| MW - 29 | 04/25/13      | 3858.54                     | -                   | 64.08             | 0.00             | 3794.46                                |
| MW - 29 | 05/01/13      | 3858.54                     | -                   | 64.08             | 0.00             | 3794.46                                |
| MW - 29 | 05/10/13      | 3858.54                     | -                   | 64.07             | 0.00             | 3794.47                                |
| MW - 29 | 05/15/13      | 3858.54                     | -                   | 64.06             | 0.00             | 3794.48                                |
| MW - 29 | 05/24/13      | 3858.54                     | -                   | 64.10             | 0.00             | 3794.44                                |
| MW - 29 | 05/30/13      | 3858.54                     | -                   | 64.09             | 0.00             | 3794.45                                |
| MW - 29 | 06/06/13      | 3858.54                     | -                   | 64.10             | 0.00             | 3794.44                                |
| MW - 29 | 06/14/13      | 3858.54                     | -                   | 64.11             | 0.00             | 3794.43                                |
| MW - 29 | 06/20/13      | 3858.54                     | -                   | 64.12             | 0.00             | 3794.42                                |
| MW - 29 | 06/27/13      | 3858.54                     | -                   | 64.09             | 0.00             | 3794.45                                |
| MW - 29 | 07/03/13      | 3858.54                     | -                   | 64.12             | 0.00             | 3794.42                                |
| MW - 29 | 07/10/13      | 3858.54                     | -                   | 64.13             | 0.00             | 3794.41                                |
| MW - 29 | 07/25/13      | 3858.54                     | -                   | 64.13             | 0.00             | 3794.41                                |
| MW - 29 | 07/31/13      | 3858.54                     | -                   | 64.15             | 0.00             | 3794.39                                |
| MW - 29 | 08/21/13      | 3858.54                     | -                   | 64.11             | 0.00             | 3794.43                                |
| MW - 29 | 08/29/13      | 3858.54                     | -                   | 64.15             | 0.00             | 3794.39                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 09/09/13      | 3858.54                     | -                   | 64.24             | 0.00             | 3794.30                                |
| MW - 29 | 09/18/13      | 3858.54                     | -                   | 64.25             | 0.00             | 3794.29                                |
| MW - 29 | 09/27/13      | 3858.54                     | -                   | 64.24             | 0.00             | 3794.30                                |
| MW - 29 | 10/02/13      | 3858.54                     | -                   | 64.22             | 0.00             | 3794.32                                |
| MW - 29 | 10/08/13      | 3858.54                     | -                   | 64.23             | 0.00             | 3794.31                                |
| MW - 29 | 10/16/13      | 3858.54                     | -                   | 64.25             | 0.00             | 3794.29                                |
| MW - 29 | 10/24/13      | 3858.54                     | -                   | 64.17             | 0.00             | 3794.37                                |
| MW - 29 | 10/31/13      | 3858.54                     | -                   | 64.17             | 0.00             | 3794.37                                |
| MW - 29 | 11/11/13      | 3858.54                     | -                   | 64.16             | 0.00             | 3794.38                                |
| MW - 29 | 12/11/13      | 3858.54                     | -                   | 64.32             | 0.00             | 3794.22                                |
| MW - 29 | 12/17/13      | 3858.54                     | -                   | 64.30             | 0.00             | 3794.24                                |
| MW - 29 | 01/03/14      | 3858.54                     | -                   | 64.34             | 0.00             | 3794.20                                |
| MW - 29 | 01/09/14      | 3858.54                     | -                   | 64.31             | 0.00             | 3794.23                                |
| MW - 29 | 01/15/14      | 3858.54                     | -                   | 64.30             | 0.00             | 3794.24                                |
| MW - 29 | 01/22/14      | 3858.54                     | -                   | 64.29             | 0.00             | 3794.25                                |
| MW - 29 | 01/29/14      | 3858.54                     | -                   | 64.30             | 0.00             | 3794.24                                |
| MW - 29 | 02/20/14      | 3858.54                     | -                   | 64.24             | 0.00             | 3794.30                                |
| MW - 29 | 03/04/14      | 3858.54                     | -                   | 64.26             | 0.00             | 3794.28                                |
| MW - 29 | 03/11/14      | 3858.54                     | -                   | 64.38             | 0.00             | 3794.16                                |
| MW - 29 | 03/18/14      | 3858.54                     | -                   | 64.36             | 0.00             | 3794.18                                |
| MW - 29 | 03/29/14      | 3858.54                     | -                   | 64.38             | 0.00             | 3794.16                                |
| MW - 29 | 04/01/14      | 3858.54                     | -                   | 64.36             | 0.00             | 3794.18                                |
| MW - 29 | 04/08/14      | 3858.54                     | -                   | 64.32             | 0.00             | 3794.22                                |
| MW - 29 | 04/18/14      | 3858.54                     | -                   | 64.35             | 0.00             | 3794.19                                |
| MW - 29 | 04/23/14      | 3858.54                     | -                   | 64.38             | 0.00             | 3794.16                                |
| MW - 29 | 05/05/14      | 3858.54                     | -                   | 64.37             | 0.00             | 3794.17                                |
| MW - 29 | 05/16/14      | 3858.54                     | -                   | 64.35             | 0.00             | 3794.19                                |
| MW - 29 | 05/20/14      | 3858.54                     | -                   | 64.40             | 0.00             | 3794.14                                |
| MW - 29 | 05/30/14      | 3858.54                     | -                   | 64.39             | 0.00             | 3794.15                                |
| MW - 29 | 06/18/14      | 3858.54                     | -                   | 64.42             | 0.00             | 3794.12                                |
| MW - 29 | 06/27/14      | 3858.54                     | -                   | 64.40             | 0.00             | 3794.14                                |
| MW - 29 | 07/02/14      | 3858.54                     | -                   | 64.45             | 0.00             | 3794.09                                |
| MW - 29 | 07/10/14      | 3858.54                     | -                   | 64.43             | 0.00             | 3794.11                                |
| MW - 29 | 07/29/14      | 3858.54                     | -                   | 64.48             | 0.00             | 3794.06                                |
| MW - 29 | 07/30/14      | 3858.54                     | -                   | 64.48             | 0.00             | 3794.06                                |
| MW - 29 | 08/08/14      | 3858.54                     | -                   | 64.48             | 0.00             | 3794.06                                |
| MW - 29 | 08/19/14      | 3858.54                     | -                   | 64.42             | 0.00             | 3794.12                                |
| MW - 29 | 09/04/14      | 3858.54                     | -                   | 64.45             | 0.00             | 3794.09                                |
| MW - 29 | 09/11/14      | 3858.54                     | -                   | 64.50             | 0.00             | 3794.04                                |
| MW - 29 | 10/16/14      | 3858.54                     | -                   | 64.50             | 0.00             | 3794.04                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 10/22/14      | 3858.54                     | -                   | 64.50             | 0.00             | 3794.04                                |
| MW - 29 | 10/30/14      | 3858.54                     | -                   | 64.50             | 0.00             | 3794.04                                |
| MW - 29 | 11/24/14      | 3858.54                     |                     | 64.51             | 0.00             | 3794.03                                |
| MW - 29 | 12/05/14      | 3858.54                     | -                   | 64.46             | 0.00             | 3794.08                                |
| MW - 29 | 12/12/14      | 3858.54                     | -                   | 64.54             | 0.00             | 3794.00                                |
| MW - 29 | 12/19/14      | 3858.54                     | -                   | 64.53             | 0.00             | 3794.01                                |
| MW - 29 | 01/07/15      | 3858.54                     | -                   | 64.56             | 0.00             | 3793.98                                |
| MW - 29 | 01/15/15      | 3858.54                     | -                   | 64.54             | 0.00             | 3794.00                                |
| MW - 29 | 02/05/15      | 3858.54                     | -                   | 64.54             | 0.00             | 3794.00                                |
| MW - 29 | 02/11/15      | 3858.54                     | -                   | 64.55             | 0.00             | 3793.99                                |
| MW - 29 | 02/20/15      | 3858.54                     | -                   | 64.51             | 0.00             | 3794.03                                |
| MW - 29 | 03/06/15      | 3858.54                     | -                   | 64.55             | 0.00             | 3793.99                                |
| MW - 29 | 03/11/15      | 3858.54                     | -                   | 64.56             | 0.00             | 3793.98                                |
| MW - 29 | 03/13/15      | 3858.54                     | -                   | 64.56             | 0.00             | 3793.98                                |
| MW - 29 | 03/17/15      | 3858.54                     | -                   | 64.53             | 0.00             | 3794.01                                |
| MW - 29 | 04/01/15      | 3858.54                     | -                   | 64.57             | 0.00             | 3793.97                                |
| MW - 29 | 04/09/15      | 3858.54                     | -                   | 64.58             | 0.00             | 3793.96                                |
| MW - 29 | 04/15/15      | 3858.54                     | -                   | 64.57             | 0.00             | 3793.97                                |
| MW - 29 | 04/17/15      | 3858.54                     | -                   | 61.86             | 0.00             | 3796.68                                |
| MW - 29 | 04/28/15      | 3858.54                     | -                   | 64.59             | 0.00             | 3793.95                                |
| MW - 29 | 05/19/15      | 3858.54                     | -                   | 64.61             | 0.00             | 3793.93                                |
| MW - 29 | 06/02/15      | 3858.54                     | -                   | 64.52             | 0.00             | 3794.02                                |
| MW - 29 | 06/11/15      | 3858.54                     | -                   | 64.55             | 0.00             | 3793.99                                |
| MW - 29 | 06/17/15      | 3858.54                     | -                   | 64.55             | 0.00             | 3793.99                                |
| MW - 29 | 06/25/15      | 3858.54                     | -                   | 64.55             | 0.00             | 3793.99                                |
| MW - 29 | 07/01/15      | 3858.54                     | -                   | 64.58             | 0.00             | 3793.96                                |
| MW - 29 | 07/08/15      | 3858.54                     | -                   | 64.59             | 0.00             | 3793.95                                |
| MW - 29 | 07/15/15      | 3858.54                     | -                   | 64.58             | 0.00             | 3793.96                                |
| MW - 29 | 07/22/15      | 3858.54                     | -                   | 64.82             | 0.00             | 3793.72                                |
| MW - 29 | 07/29/15      | 3858.54                     | -                   | 64.60             | 0.00             | 3793.94                                |
| MW - 29 | 07/31/15      | 3858.54                     | -                   | 64.21             | 0.00             | 3794.33                                |
| MW - 29 | 08/06/15      | 3858.54                     | -                   | 64.59             | 0.00             | 3793.95                                |
| MW - 29 | 08/12/15      | 3858.54                     | -                   | 64.60             | 0.00             | 3793.94                                |
| MW - 29 | 08/17/15      | 3858.54                     | -                   | 64.62             | 0.00             | 3793.92                                |
| MW - 29 | 08/19/15      | 3858.54                     | -                   | 64.66             | 0.00             | 3793.88                                |
| MW - 29 | 08/27/15      | 3858.54                     | -                   | 64.61             | 0.00             | 3793.93                                |
| MW - 29 | 09/03/15      | 3858.54                     | -                   | 64.63             | 0.00             | 3793.91                                |
| MW - 29 | 09/09/15      | 3858.54                     | -                   | 64.68             | 0.00             | 3793.86                                |
| MW - 29 | 09/11/15      | 3858.54                     | -                   | 64.72             | 0.00             | 3793.82                                |
| MW - 29 | 09/15/15      | 3858.54                     | -                   | 64.66             | 0.00             | 3793.88                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 09/22/15           | 3858.54                     | -                   | 64.70             | 0.00             | 3793.84                                |
| MW - 29 | 09/30/15           | 3858.54                     | -                   | 64.73             | 0.00             | 3793.81                                |
| MW - 29 | 10/06/15           | 3858.54                     | -                   | 64.71             | 0.00             | 3793.83                                |
| MW - 29 | 10/13/15           | 3858.54                     | -                   | 64.72             | 0.00             | 3793.82                                |
| MW - 29 | 10/22/15           | 3858.54                     | -                   | 64.74             | 0.00             | 3793.80                                |
| MW - 29 | 10/27/15           | 3858.54                     | -                   | 64.75             | 0.00             | 3793.79                                |
| MW - 29 | 11/11/15           | 3858.54                     | -                   | 64.74             | 0.00             | 3793.80                                |
| MW - 29 | 11/18/15           | 3858.54                     | -                   | 64.67             | 0.00             | 3793.87                                |
| MW - 29 | 12/03/15           | 3858.54                     | -                   | 64.78             | 0.00             | 3793.76                                |
| MW - 29 | 12/10/15           | 3858.54                     | -                   | 64.67             | 0.00             | 3793.87                                |
| MW - 29 | 12/22/15           | 3858.54                     | -                   | 64.80             | 0.00             | 3793.74                                |
| MW - 29 | 01/08/16           | 3858.54                     | -                   | 64.84             | 0.00             | 3793.70                                |
| MW - 29 | 01/14/16           | 3858.54                     | -                   | 64.66             | 0.00             | 3793.88                                |
| MW - 29 | 01/28/16           | 3858.54                     | -                   | 64.81             | 0.00             | 3793.73                                |
| MW - 29 | 02/02/16           | 3858.54                     | -                   | 64.81             | 0.00             | 3793.73                                |
| MW - 29 | 02/09/16           | 3858.54                     | -                   | 64.74             | 0.00             | 3793.80                                |
| MW - 29 | 03/02/16           | 3858.54                     | -                   | 64.85             | 0.00             | 3793.69                                |
| MW - 29 | 03/09/16           | 3858.54                     | -                   | 64.84             | 0.00             | 3793.70                                |
| MW - 29 | 03/17/16           | 3858.54                     | -                   | 64.79             | 0.00             | 3793.75                                |
| MW - 29 | 04/06/16           | 3858.54                     | -                   | 64.85             | 0.00             | 3793.69                                |
| MW - 29 | 04/13/16           | 3858.54                     | -                   | 64.87             | 0.00             | 3793.67                                |
| MW - 29 | 04/20/16           | 3858.54                     | -                   | 64.77             | 0.00             | 3793.77                                |
| MW - 29 | 04/27/16           | 3858.54                     | -                   | 64.88             | 0.00             | 3793.66                                |
| MW - 29 | 04/28/16           | 3858.54                     | -                   | 64.88             | 0.00             | 3793.66                                |
| MW - 29 | 05/05/16           | 3858.54                     | -                   | 64.88             | 0.00             | 3793.66                                |
| MW - 29 | 05/10/16           | 3858.54                     | -                   | 64.91             | 0.00             | 3793.63                                |
| MW - 29 | 06/08/16           | 3858.54                     | -                   | 64.95             | 0.00             | 3793.59                                |
| MW - 29 | 06/21/16           | 3858.54                     | -                   | 64.94             | 0.00             | 3793.60                                |
| MW - 29 | 06/30/16           | 3858.54                     | -                   | 64.94             | 0.00             | 3793.60                                |
| MW - 29 | 07/01/16           | 3858.54                     | -                   | 64.94             | 0.00             | 3793.60                                |
| MW - 29 | 07/15/16           | 3858.54                     | -                   | 64.93             | 0.00             | 3793.61                                |
| MW - 29 | 07/21/16           | 3858.54                     | -                   | 64.97             | 0.00             | 3793.57                                |
| MW - 29 | 07/28/16           | 3858.54                     | -                   | 64.93             | 0.00             | 3793.61                                |
| MW - 29 | 08/02/16           | 3858.54                     | -                   | 65.01             | 0.00             | 3793.53                                |
| MW - 29 | 08/09/16           | 3858.54                     | -                   | 64.89             | 0.00             | 3793.65                                |
| MW - 29 | 08/16/16           | 3858.54                     | -                   | 64.89             | 0.00             | 3793.65                                |
| MW - 29 | 08/25/16           | 3858.54                     | -                   | 64.96             | 0.00             | 3793.58                                |
| MW - 29 | 09/01/16           | 3858.54                     | -                   | 65.00             | 0.00             | 3793.54                                |
| MW - 29 | 09/08/16           | 3858.54                     | -                   | 65.00             | 0.00             | 3793.54                                |
| MW - 29 | 9/14/16 -9/15/2016 | 3858.54                     | -                   | 65.01             | 0.00             | 3793.53                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 09/22/16      | 3858.54                     | -                   | 65.00             | 0.00             | 3793.54                                |
| MW - 29 | 09/29/16      | 3858.54                     | -                   | 65.04             | 0.00             | 3793.50                                |
| MW - 29 | 10/13/16      | 3858.54                     | -                   | 65.05             | 0.00             | 3793.49                                |
| MW - 29 | 10/20/16      | 3858.54                     | -                   | 65.08             | 0.00             | 3793.46                                |
| MW - 29 | 10/27/16      | 3858.54                     | -                   | 65.05             | 0.00             | 3793.49                                |
| MW - 29 | 11/10/16      | 3858.54                     | -                   | 65.03             | 0.00             | 3793.51                                |
| MW - 29 | 11/16/16      | 3858.54                     | -                   | 65.08             | 0.00             | 3793.46                                |
| MW - 29 | 12/09/16      | 3858.54                     | -                   | 65.07             | 0.00             | 3793.47                                |
| MW - 29 | 12/14/16      | 3858.54                     | -                   | 65.12             | 0.00             | 3793.42                                |
| MW - 29 | 01/05/17      | 3858.54                     | -                   | 65.18             | 0.00             | 3793.36                                |
| MW - 29 | 01/12/17      | 3858.54                     | -                   | 65.14             | 0.00             | 3793.40                                |
| MW - 29 | 01/19/17      | 3858.54                     | -                   | 65.14             | 0.00             | 3793.40                                |
| MW - 29 | 01/20/17      | 3858.54                     | -                   | 65.15             | 0.00             | 3793.39                                |
| MW - 29 | 01/25/17      | 3858.54                     | -                   | 65.23             | 0.00             | 3793.31                                |
| MW - 29 | 02/02/17      | 3858.54                     | -                   | 65.23             | 0.00             | 3793.31                                |
| MW - 29 | 02/09/17      | 3858.54                     | -                   | 65.17             | 0.00             | 3793.37                                |
| MW - 29 | 02/21/17      | 3858.54                     | -                   | 65.24             | 0.00             | 3793.30                                |
| MW - 29 | 03/09/17      | 3858.54                     | -                   | 65.25             | 0.00             | 3793.29                                |
| MW - 29 | 03/16/17      | 3858.54                     | -                   | 65.25             | 0.00             | 3793.29                                |
| MW - 29 | 03/30/17      | 3858.54                     | -                   | 65.31             | 0.00             | 3793.23                                |
| MW - 29 | 04/06/17      | 3858.54                     | -                   | 65.31             | 0.00             | 3793.23                                |
| MW - 29 | 04/12/17      | 3858.54                     | -                   | 65.28             | 0.00             | 3793.26                                |
| MW - 29 | 05/03/17      | 3858.54                     | -                   | 65.36             | 0.00             | 3793.18                                |
| MW - 29 | 05/16/17      | 3858.54                     | -                   | 65.36             | 0.00             | 3793.18                                |
| MW - 29 | 05/26/17      | 3858.54                     | -                   | 65.35             | 0.00             | 3793.19                                |
| MW - 29 | 06/08/17      | 3858.54                     | -                   | 65.35             | 0.00             | 3793.19                                |
| MW - 29 | 06/09/17      | 3858.54                     | -                   | 65.35             | 0.00             | 3793.19                                |
| MW - 29 | 06/30/17      | 3858.54                     | -                   | 65.47             | 0.00             | 3793.07                                |
| MW - 29 | 07/06/17      | 3858.54                     | -                   | 65.52             | 0.00             | 3793.02                                |
| MW - 29 | 07/19/17      | 3858.54                     | -                   | 65.46             | 0.00             | 3793.08                                |
| MW - 29 | 07/23/17      | 3858.54                     | -                   | 65.55             | 0.00             | 3792.99                                |
| MW - 29 | 07/26/17      | 3858.54                     | -                   | 65.30             | 0.00             | 3793.24                                |
| MW - 29 | 08/22/17      | 3858.54                     | -                   | 65.62             | 0.00             | 3792.92                                |
| MW - 29 | 09/28/17      | 3858.54                     | -                   | 65.67             | 0.00             | 3792.87                                |
| MW - 29 | 10/10/17      | 3858.54                     | -                   | 65.73             | 0.00             | 3792.81                                |
| MW - 29 | 11/28/17      | 3858.54                     | -                   | 65.82             | 0.00             | 3792.72                                |
| MW - 29 | 01/08/18      | 3858.54                     | -                   | 65.79             | 0.00             | 3792.75                                |
| MW - 29 | 01/18/18      | 3858.54                     | -                   | 65.82             | 0.00             | 3792.72                                |
| MW - 29 | 02/13/18      | 3858.54                     | -                   | 65.85             | 0.00             | 3792.69                                |
| MW - 29 | 04/30/18      | 3858.54                     | -                   | 65.78             | 0.00             | 3792.76                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 29 | 05/03/18      | 3858.54                     | -                   | 65.99             | 0.00             | 3792.55                                |
| MW - 29 | 05/16/18      | 3858.54                     | -                   | 65.97             | 0.00             | 3792.57                                |
| MW - 29 | 07/06/18      | 3858.54                     | -                   | 66.06             | 0.00             | 3792.48                                |
| MW - 29 | 07/05/18      | 3858.54                     | -                   | 66.06             | 0.00             | 3792.48                                |
| MW - 29 | 07/26/18      | 3858.54                     | -                   | 66.09             | 0.00             | 3792.45                                |
| MW - 29 | 08/15/18      | 3858.54                     | -                   | 66.12             | 0.00             | 3792.42                                |
| MW - 29 | 11/16/18      | 3858.54                     | -                   | 66.28             | 0.00             | 3792.26                                |
| MW - 29 | 11/28/18      | 3858.54                     | -                   | 66.35             | 0.00             | 3792.19                                |
| MW - 29 | 12/06/18      | 3858.54                     | -                   | 66.35             | 0.00             | 3792.19                                |
| MW - 29 | 12/11/18      | 3858.54                     | -                   | 66.35             | 0.00             | 3792.19                                |
| MW - 29 | 12/27/18      | 3858.54                     | -                   | 66.36             | 0.00             | 3792.18                                |
| MW - 29 | 01/04/19      | 3858.54                     | -                   | 66.38             | 0.00             | 3792.16                                |
| MW - 29 | 01/17/19      | 3858.54                     | -                   | 66.41             | 0.00             | 3792.13                                |
| MW - 29 | 01/24/19      | 3858.54                     | -                   | 66.45             | 0.00             | 3792.09                                |
| MW - 29 | 02/20/19      | 3858.54                     | -                   | 66.45             | 0.00             | 3792.09                                |
| MW - 29 | 04/04/19      | 3858.54                     | -                   | 66.52             | 0.00             | 3792.02                                |
| MW - 29 | 05/29/19      | 3858.54                     | -                   | 66.60             | 0.00             | 3791.94                                |
| MW - 29 | 08/27/19      | 3858.54                     | -                   | 66.78             | 0.00             | 3791.76                                |
| MW - 29 | 10/30/19      | 3858.54                     | -                   | 66.90             | 0.00             | 3791.64                                |
| MW - 29 | 03/17/20      | 3858.54                     | -                   | 67.18             | 0.00             | 3791.36                                |
| MW - 29 | 05/13/20      | 3858.54                     | -                   | 67.27             | 0.00             | 3791.27                                |
| MW - 29 | 06/09/20      | 3858.54                     | -                   | 67.32             | 0.00             | 3791.22                                |
| MW - 29 | 07/16/20      | 3858.54                     | -                   | 67.34             | 0.00             | 3791.20                                |
| MW - 29 | 08/26/20      | 3858.54                     | -                   | 67.40             | 0.00             | 3791.14                                |
| MW - 29 | 12/16/20      | 3858.54                     | -                   | 67.54             | 0.00             | 3791.00                                |
| MW - 29 | 01/28/21      | 3858.54                     | -                   | 67.61             | 0.00             | 3790.93                                |
| MW - 29 | 03/22/21      | 3858.54                     | -                   | 67.72             | 0.00             | 3790.82                                |
| MW - 29 | 06/23/21      | 3858.54                     | -                   | 68.05             | 0.00             | 3790.49                                |
| MW - 29 | 07/22/21      | 3858.54                     | -                   | 67.95             | 0.00             | 3790.59                                |
| MW - 29 | 09/09/21      | 3858.54                     | -                   | 68.05             | 0.00             | 3790.49                                |
| MW - 29 | 10/26/21      | 3858.54                     | -                   | 68.09             | 0.00             | 3790.45                                |
| MW - 29 | 12/15/21      | 3858.54                     | -                   | 68.20             | 0.00             | 3790.34                                |
| MW - 29 | 02/09/22      | 3858.54                     | -                   | 68.22             | 0.00             | 3790.32                                |
| MW - 29 | 05/02/22      | 3858.54                     | -                   | 68.38             | 0.00             | 3790.16                                |
| MW - 29 | 08/01/22      | 3858.54                     | -                   | 68.50             | 0.00             | 3790.04                                |
| MW - 29 | 10/28/22      | 3858.54                     | -                   | 68.64             | 0.00             | 3789.90                                |
|         |               |                             |                     |                   |                  |                                        |
| MW - 30 | 03/26/02      | 3858.35                     | -                   | 59.75             | 0.00             | 3798.60                                |
| MW - 30 | 06/26/02      | 3858.35                     | -                   | 59.84             | 0.00             | 3798.51                                |
| MW - 30 | 09/25/02      | 3858.35                     | -                   | 59.96             | 0.00             | 3798.39                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 30 | 12/10/02      | 3858.35                     | -                   | 60.02             | 0.00             | 3798.33                                |
| MW - 30 | 03/10/03      | 3858.35                     | -                   | 60.08             | 0.00             | 3798.27                                |
| MW - 30 | 06/09/03      | 3858.35                     | -                   | 60.17             | 0.00             | 3798.18                                |
| MW - 30 | 09/03/03      | 3858.35                     | -                   | 60.28             | 0.00             | 3798.07                                |
| MW - 30 | 12/08/03      | 3858.35                     | -                   | 60.41             | 0.00             | 3797.94                                |
| MW - 30 | 03/01/04      | 3858.35                     | -                   | 60.49             | 0.00             | 3797.86                                |
| MW - 30 | 05/19/04      | 3858.35                     | -                   | 60.63             | 0.00             | 3797.72                                |
| MW - 30 | 08/26/04      | 3858.35                     | -                   | 60.65             | 0.00             | 3797.70                                |
| MW - 30 | 12/09/04      | 3858.35                     | -                   | 60.05             | 0.00             | 3798.30                                |
| MW - 30 | 03/17/05      | 3858.35                     | -                   | 59.75             | 0.00             | 3798.60                                |
| MW - 30 | 06/15/05      | 3858.35                     | -                   | 59.82             | 0.00             | 3798.53                                |
| MW - 30 | 09/14/05      | 3858.35                     | -                   | 60.93             | 0.00             | 3797.42                                |
| MW - 30 | 12/13/05      | 3858.35                     | -                   | 60.16             | 0.00             | 3798.19                                |
| MW - 30 | 03/15/06      | 3858.35                     | -                   | 60.32             | 0.00             | 3798.03                                |
| MW - 30 | 06/14/06      | 3858.35                     | -                   | 60.46             | 0.00             | 3797.89                                |
| MW - 30 | 09/13/06      | 3858.35                     | -                   | 60.57             | 0.00             | 3797.78                                |
| MW - 30 | 12/06/06      | 3858.35                     | -                   | 60.66             | 0.00             | 3797.69                                |
| MW - 30 | 03/01/07      | 3858.35                     | -                   | 60.64             | 0.00             | 3797.71                                |
| MW - 30 | 05/24/07      | 3858.35                     | -                   | 60.74             | 0.00             | 3797.61                                |
| MW - 30 | 08/23/07      | 3858.35                     | -                   | 60.80             | 0.00             | 3797.55                                |
| MW - 30 | 11/08/07      | 3858.35                     | -                   | 60.86             | 0.00             | 3797.49                                |
| MW - 30 | 03/04/08      | 3858.35                     | -                   | 60.97             | 0.00             | 3797.38                                |
| MW - 30 | 06/11/08      | 3858.35                     | -                   | 61.00             | 0.00             | 3797.35                                |
| MW - 30 | 09/09/08      | 3858.35                     | -                   | 61.09             | 0.00             | 3797.26                                |
| MW - 30 | 12/11/08      | 3858.35                     | -                   | 61.18             | 0.00             | 3797.17                                |
| MW - 30 | 02/27/09      | 3858.35                     | -                   | 61.23             | 0.00             | 3797.12                                |
| MW - 30 | 05/21/09      | 3858.35                     | -                   | 61.30             | 0.00             | 3797.05                                |
| MW - 30 | 08/18/09      | 3858.35                     | -                   | 61.38             | 0.00             | 3796.97                                |
| MW - 30 | 12/09/09      | 3858.35                     | -                   | 61.44             | 0.00             | 3796.91                                |
| MW - 30 | 01/06/10      | 3858.35                     | -                   | 61.46             | 0.00             | 3796.89                                |
| MW - 30 | 02/22/10      | 3858.35                     | -                   | 61.52             | 0.00             | 3796.83                                |
| MW - 30 | 06/04/10      | 3858.35                     | -                   | 61.56             | 0.00             | 3796.79                                |
| MW - 30 | 08/26/10      | 3858.35                     | -                   | 61.57             | 0.00             | 3796.78                                |
| MW - 30 | 11/30/10      | 3858.35                     | -                   | 61.43             | 0.00             | 3796.92                                |
| MW - 30 | 03/08/11      | 3858.35                     | -                   | 61.45             | 0.00             | 3796.90                                |
| MW - 30 | 05/25/11      | 3858.35                     | -                   | 61.45             | 0.00             | 3796.90                                |
| MW - 30 | 08/18/11      | 3858.35                     | -                   | 61.82             | 0.00             | 3796.53                                |
| MW - 30 | 11/15/11      | 3858.35                     | -                   | 61.81             | 0.00             | 3796.54                                |
| MW - 30 | 02/29/12      | 3858.35                     | -                   | 62.02             | 0.00             | 3796.33                                |
| MW - 30 | 05/01/12      | 3858.35                     | -                   | 62.07             | 0.00             | 3796.28                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 30 | 08/10/12      | 3858.35                     | -                   | 62.42             | 0.00             | 3795.93                                |
| MW - 30 | 11/27/12      | 3858.35                     | -                   | 62.38             | 0.00             | 3795.97                                |
| MW - 30 | 02/21/13      | 3858.35                     | -                   | 62.46             | 0.00             | 3795.89                                |
| MW - 30 | 05/15/13      | 3858.35                     | -                   | 62.55             | 0.00             | 3795.80                                |
| MW - 30 | 08/20/13      | 3858.35                     | -                   | 62.61             | 0.00             | 3795.74                                |
| MW - 30 | 11/11/13      | 3858.35                     | -                   | 62.68             | 0.00             | 3795.67                                |
| MW - 30 | 02/19/14      | 3858.35                     | -                   | 62.76             | 0.00             | 3795.59                                |
| MW - 30 | 05/20/14      | 3858.35                     | -                   | 62.81             | 0.00             | 3795.54                                |
| MW - 30 | 07/29/14      | 3858.35                     | -                   | 62.88             | 0.00             | 3795.47                                |
| MW - 30 | 08/19/14      | 3858.35                     | -                   | 62.89             | 0.00             | 3795.46                                |
| MW - 30 | 10/30/14      | 3858.35                     | -                   | 63.03             | 0.00             | 3795.32                                |
| MW - 30 | 11/24/14      | 3858.35                     | -                   | 63.01             | 0.00             | 3795.34                                |
| MW - 30 | 02/10/15      | 3858.35                     | -                   | 63.04             | 0.00             | 3795.31                                |
| MW - 30 | 03/11/15      | 3858.35                     | -                   | 63.06             | 0.00             | 3795.29                                |
| MW - 30 | 04/17/15      | 3858.35                     | -                   | 62.07             | 0.00             | 3796.28                                |
| MW - 30 | 05/19/15      | 3858.35                     | -                   | 63.09             | 0.00             | 3795.26                                |
| MW - 30 | 07/31/15      | 3858.35                     | -                   | 63.12             | 0.00             | 3795.23                                |
| MW - 30 | 08/12/15      | 3858.35                     | -                   | 63.16             | 0.00             | 3795.19                                |
| MW - 30 | 09/11/15      | 3858.35                     | -                   | 63.16             | 0.00             | 3795.19                                |
| MW - 30 | 11/10/15      | 3858.35                     | -                   | 63.23             | 0.00             | 3795.12                                |
| MW - 30 | 02/02/16      | 3858.35                     | -                   | 63.34             | 0.00             | 3795.01                                |
| MW - 30 | 04/28/16      | 3858.35                     | -                   | 63.38             | 0.00             | 3794.97                                |
| MW - 30 | 05/10/16      | 3858.35                     | -                   | 63.40             | 0.00             | 3794.95                                |
| MW - 30 | 07/01/16      | 3858.35                     | -                   | 63.42             | 0.00             | 3794.93                                |
| MW - 30 | 07/29/16      | 3858.35                     | -                   | 63.46             | 0.00             | 3794.89                                |
| MW - 30 | 08/08/16      | 3858.35                     | -                   | 63.46             | 0.00             | 3794.89                                |
| MW - 30 | 09/15/16      | 3858.35                     | -                   | 63.45             | 0.00             | 3794.90                                |
| MW - 30 | 11/15/16      | 3858.35                     | -                   | 63.55             | 0.00             | 3794.80                                |
| MW - 30 | 12/14/16      | 3858.35                     | -                   | 63.62             | 0.00             | 3794.73                                |
| MW - 30 | 01/20/17      | 3858.35                     | -                   | 63.67             | 0.00             | 3794.68                                |
| MW - 30 | 02/21/17      | 3858.35                     | -                   | 63.71             | 0.00             | 3794.64                                |
| MW - 30 | 05/16/17      | 3858.35                     | -                   | 63.80             | 0.00             | 3794.55                                |
| MW - 30 | 07/26/17      | 3858.35                     | -                   | 63.96             | 0.00             | 3794.39                                |
| MW - 30 | 08/22/17      | 3858.35                     | -                   | 64.03             | 0.00             | 3794.32                                |
| MW - 30 | 10/10/17      | 3858.35                     | -                   | 64.15             | 0.00             | 3794.20                                |
| MW - 30 | 11/28/17      | 3858.35                     | -                   | 64.24             | 0.00             | 3794.11                                |
| MW - 30 | 01/08/18      | 3858.35                     | -                   | 64.27             | 0.00             | 3794.08                                |
| MW - 30 | 02/13/18      | 3858.35                     | -                   | 64.32             | 0.00             | 3794.03                                |
| MW - 30 | 04/30/18      | 3858.35                     | -                   | 64.46             | 0.00             | 3793.89                                |
| MW - 30 | 05/16/18      | 3858.35                     | -                   | 64.48             | 0.00             | 3793.87                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 30 | 07/05/18      | 3858.35                     | -                   | 65.56             | 0.00             | 3792.79                                |
| MW - 30 | 07/26/18      | 3858.35                     | -                   | 64.57             | 0.00             | 3793.78                                |
| MW - 30 | 08/15/18      | 3858.35                     | -                   | 64.63             | 0.00             | 3793.72                                |
| MW - 30 | 11/27/18      | 3858.35                     | -                   | 64.82             | 0.00             | 3793.53                                |
| MW - 30 | 12/27/18      | 3858.35                     | -                   | 64.84             | 0.00             | 3793.51                                |
| MW - 30 | 01/17/19      | 3858.35                     | -                   | 64.89             | 0.00             | 3793.46                                |
| MW - 30 | 02/20/19      | 3858.35                     | -                   | 64.92             | 0.00             | 3793.43                                |
| MW - 30 | 05/29/19      | 3858.35                     | -                   | 65.09             | 0.00             | 3793.26                                |
| MW - 30 | 08/27/19      | 3858.35                     | -                   | 65.22             | 0.00             | 3793.13                                |
| MW - 30 | 10/29/19      | 3858.35                     | -                   | 65.35             | 0.00             | 3793.00                                |
| MW - 30 | 03/17/20      | 3858.35                     | -                   | 64.60             | 0.00             | 3793.75                                |
| MW - 30 | 05/13/20      | 3858.35                     | -                   | 65.68             | 0.00             | 3792.67                                |
| MW - 30 | 06/09/20      | 3858.35                     | -                   | 65.68             | 0.00             | 3792.67                                |
| MW - 30 | 07/16/20      | 3858.35                     | -                   | 65.66             | 0.00             | 3792.69                                |
| MW - 30 | 08/25/20      | 3858.35                     | -                   | 65.68             | 0.00             | 3792.67                                |
| MW - 30 | 12/17/20      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 01/28/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 03/24/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 06/23/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 07/22/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 09/10/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 10/26/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 12/15/21      | 3858.35                     | -                   | Dry               |                  |                                        |
| MW - 30 | 02/10/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 05/02/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 08/02/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
| MW - 30 | 10/27/22      | 3858.35                     | -                   | Dry               | 0.00             | Dry                                    |
|         |               |                             |                     |                   |                  |                                        |
| MW - 31 | 03/26/02      | 3858.52                     | -                   | 60.70             | 0.00             | 3797.82                                |
| MW - 31 | 06/26/02      | 3858.52                     | -                   | 60.77             | 0.00             | 3797.75                                |
| MW - 31 | 09/25/02      | 3858.52                     | -                   | 60.90             | 0.00             | 3797.62                                |
| MW - 31 | 12/10/02      | 3858.52                     | -                   | 60.96             | 0.00             | 3797.56                                |
| MW - 31 | 03/10/03      | 3858.52                     | -                   | 61.04             | 0.00             | 3797.48                                |
| MW - 31 | 06/09/03      | 3858.52                     | -                   | 61.15             | 0.00             | 3797.37                                |
| MW - 31 | 09/03/03      | 3858.52                     | -                   | 61.26             | 0.00             | 3797.26                                |
| MW - 31 | 12/08/03      | 3858.52                     | -                   | 61.35             | 0.00             | 3797.17                                |
| MW - 31 | 03/01/04      | 3858.52                     | -                   | 61.48             | 0.00             | 3797.04                                |
| MW - 31 | 05/19/04      | 3858.52                     | -                   | 61.50             | 0.00             | 3797.02                                |
| MW - 31 | 08/26/04      | 3858.52                     | -                   | 61.65             | 0.00             | 3796.87                                |
| MW - 31 | 12/09/04      | 3858.52                     | -                   | 60.98             | 0.00             | 3797.54                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 31 | 03/17/05      | 3858.52                     | -                   | 60.72             | 0.00             | 3797.80                                |
| MW - 31 | 06/15/05      | 3858.52                     | -                   | 60.79             | 0.00             | 3797.73                                |
| MW - 31 | 09/14/05      | 3858.52                     | -                   | 59.98             | 0.00             | 3798.54                                |
| MW - 31 | 12/13/05      | 3858.52                     | -                   | 61.11             | 0.00             | 3797.41                                |
| MW - 31 | 03/15/06      | 3858.52                     | -                   | 61.26             | 0.00             | 3797.26                                |
| MW - 31 | 06/14/06      | 3858.52                     | -                   | 61.38             | 0.00             | 3797.14                                |
| MW - 31 | 09/13/06      | 3858.52                     | -                   | 61.48             | 0.00             | 3797.04                                |
| MW - 31 | 12/06/06      | 3858.52                     | -                   | 61.55             | 0.00             | 3796.97                                |
| MW - 31 | 03/01/07      | 3858.52                     | -                   | 61.58             | 0.00             | 3796.94                                |
| MW - 31 | 05/24/07      | 3858.52                     | -                   | 60.64             | 0.00             | 3797.88                                |
| MW - 31 | 08/23/07      | 3858.52                     | -                   | 61.71             | 0.00             | 3796.81                                |
| MW - 31 | 11/08/07      | 3858.52                     | -                   | 61.80             | 0.00             | 3796.72                                |
| MW - 31 | 03/04/08      | 3858.52                     | -                   | 61.88             | 0.00             | 3796.64                                |
| MW - 31 | 06/11/08      | 3858.52                     | -                   | 61.94             | 0.00             | 3796.58                                |
| MW - 31 | 09/09/08      | 3858.52                     | -                   | 62.01             | 0.00             | 3796.51                                |
| MW - 31 | 12/11/08      | 3858.52                     | -                   | 62.11             | 0.00             | 3796.41                                |
| MW - 31 | 02/27/09      | 3858.52                     | -                   | 62.15             | 0.00             | 3796.37                                |
| MW - 31 | 05/21/09      | 3858.52                     | -                   | 62.14             | 0.00             | 3796.38                                |
| MW - 31 | 08/18/09      | 3858.52                     | -                   | 62.27             | 0.00             | 3796.25                                |
| MW - 31 | 12/09/09      | 3858.52                     | -                   | 62.38             | 0.00             | 3796.14                                |
| MW - 31 | 01/06/10      | 3858.52                     | -                   | 62.39             | 0.00             | 3796.13                                |
| MW - 31 | 02/22/10      | 3858.52                     | -                   | 62.41             | 0.00             | 3796.11                                |
| MW - 31 | 06/04/10      | 3858.52                     | -                   | 62.44             | 0.00             | 3796.08                                |
| MW - 31 | 08/26/10      | 3858.52                     | -                   | 62.42             | 0.00             | 3796.10                                |
| MW - 31 | 11/30/10      | 3858.52                     | -                   | 62.39             | 0.00             | 3796.13                                |
| MW - 31 | 03/08/11      | 3858.52                     | -                   | 62.39             | 0.00             | 3796.13                                |
| MW - 31 | 05/25/11      | 3858.52                     | -                   | 62.40             | 0.00             | 3796.12                                |
| MW - 31 | 08/18/11      | 3858.52                     | -                   | 62.77             | 0.00             | 3795.75                                |
| MW - 31 | 11/15/11      | 3858.52                     | -                   | 62.73             | 0.00             | 3795.79                                |
| MW - 31 | 02/29/12      | 3858.52                     | -                   | 62.94             | 0.00             | 3795.58                                |
| MW - 31 | 05/01/12      | 3858.52                     | -                   | 62.99             | 0.00             | 3795.53                                |
| MW - 31 | 08/10/12      | 3858.52                     | -                   | 63.35             | 0.00             | 3795.17                                |
| MW - 31 | 11/27/12      | 3858.52                     | -                   | 63.28             | 0.00             | 3795.24                                |
| MW - 31 | 02/21/13      | 3858.52                     | -                   | 63.38             | 0.00             | 3795.14                                |
| MW - 31 | 05/15/13      | 3858.52                     | -                   | 63.42             | 0.00             | 3795.10                                |
| MW - 31 | 08/20/13      | 3858.52                     | -                   | 63.50             | 0.00             | 3795.02                                |
| MW - 31 | 11/11/13      | 3858.52                     | -                   | 63.57             | 0.00             | 3794.95                                |
| MW - 31 | 02/19/14      | 3858.52                     | -                   | 63.68             | 0.00             | 3794.84                                |
| MW - 31 | 05/20/14      | 3858.52                     | -                   | 63.75             | 0.00             | 3794.77                                |
| MW - 31 | 07/29/14      | 3858.52                     | -                   | 63.81             | 0.00             | 3794.71                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 31 | 08/19/14      | 3858.52                     | -                   | 63.81             | 0.00             | 3794.71                                |
| MW - 31 | 10/30/14      | 3858.52                     | -                   | 63.88             | 0.00             | 3794.64                                |
| MW - 31 | 11/24/14      | 3858.52                     | -                   | 63.87             | 0.00             | 3794.65                                |
| MW - 31 | 02/10/15      | 3858.52                     | -                   | 63.89             | 0.00             | 3794.63                                |
| MW - 31 | 03/11/15      | 3858.52                     | -                   | 63.91             | 0.00             | 3794.61                                |
| MW - 31 | 04/17/15      | 3858.52                     | -                   | 62.06             | 0.00             | 3796.46                                |
| MW - 31 | 05/19/15      | 3858.52                     | -                   | 63.94             | 0.00             | 3794.58                                |
| MW - 31 | 07/31/15      | 3858.52                     | -                   | 64.01             | 0.00             | 3794.51                                |
| MW - 31 | 08/12/15      | 3858.52                     | -                   | 64.03             | 0.00             | 3794.49                                |
| MW - 31 | 09/11/15      | 3858.52                     | -                   | 64.05             | 0.00             | 3794.47                                |
| MW - 31 | 11/10/15      | 3858.52                     | -                   | 64.09             | 0.00             | 3794.43                                |
| MW - 31 | 02/02/16      | 3858.52                     | -                   | 64.17             | 0.00             | 3794.35                                |
| MW - 31 | 04/28/16      | 3858.52                     | -                   | 64.24             | 0.00             | 3794.28                                |
| MW - 31 | 05/10/16      | 3858.52                     | -                   | 64.25             | 0.00             | 3794.27                                |
| MW - 31 | 07/01/16      | 3858.52                     | -                   | 64.30             | 0.00             | 3794.22                                |
| MW - 31 | 07/29/16      | 3858.52                     | -                   | 64.31             | 0.00             | 3794.21                                |
| MW - 31 | 08/08/16      | 3858.52                     | -                   | 64.33             | 0.00             | 3794.19                                |
| MW - 31 | 09/15/16      | 3858.52                     | -                   | 64.35             | 0.00             | 3794.17                                |
| MW - 31 | 11/15/16      | 3858.52                     | -                   | 64.43             | 0.00             | 3794.09                                |
| MW - 31 | 12/14/16      | 3858.52                     | -                   | 64.49             | 0.00             | 3794.03                                |
| MW - 31 | 01/20/17      | 3858.52                     | -                   | 64.51             | 0.00             | 3794.01                                |
| MW - 31 | 02/21/17      | 3858.52                     | -                   | 64.57             | 0.00             | 3793.95                                |
| MW - 31 | 05/16/17      | 3858.52                     | -                   | 64.74             | 0.00             | 3793.78                                |
| MW - 31 | 07/26/17      | 3858.52                     | -                   | 64.90             | 0.00             | 3793.62                                |
| MW - 31 | 08/22/17      | 3858.52                     | -                   | 64.98             | 0.00             | 3793.54                                |
| MW - 31 | 10/10/17      | 3858.52                     | -                   | 65.10             | 0.00             | 3793.42                                |
| MW - 31 | 11/28/17      | 3858.52                     | -                   | 65.22             | 0.00             | 3793.30                                |
| MW - 31 | 01/08/18      | 3858.52                     | -                   | 65.29             | 0.00             | 3793.23                                |
| MW - 31 | 02/13/18      | 3858.52                     | -                   | 65.34             | 0.00             | 3793.18                                |
| MW - 31 | 04/30/18      | 3858.52                     | -                   | 65.44             | 0.00             | 3793.08                                |
| MW - 31 | 05/16/18      | 3858.52                     | -                   | 65.37             | 0.00             | 3793.15                                |
| MW - 31 | 07/05/18      | 3858.52                     | -                   | 65.57             | 0.00             | 3792.95                                |
| MW - 31 | 07/26/18      | 3858.52                     | -                   | 65.61             | 0.00             | 3792.91                                |
| MW - 31 | 08/15/18      | 3858.52                     | -                   | 65.62             | 0.00             | 3792.90                                |
| MW - 31 | 11/27/18      | 3858.52                     | -                   | 65.85             | 0.00             | 3792.67                                |
| MW - 31 | 12/27/18      | 3858.52                     | -                   | 65.91             | 0.00             | 3792.61                                |
| MW - 31 | 01/17/19      | 3858.52                     | -                   | 65.96             | 0.00             | 3792.56                                |
| MW - 31 | 02/20/19      | 3858.52                     | -                   | 66.00             | 0.00             | 3792.52                                |
| MW - 31 | 04/04/19      | 3858.52                     | -                   | 66.07             | 0.00             | 3792.45                                |
| MW - 31 | 05/29/19      | 3858.52                     | -                   | 66.16             | 0.00             | 3792.36                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|         | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|---------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW - 31 | 08/27/19      | 3858.52                     | -                   | 66.32             | 0.00             | 3792.20                                |
| MW - 31 | 10/30/19      | 3858.52                     | -                   | 66.47             | 0.00             | 3792.05                                |
| MW - 31 | 03/17/20      | 3858.52                     | -                   | 66.70             | 0.00             | 3791.82                                |
| MW - 31 | 05/13/20      | 3858.52                     | -                   | 66.76             | 0.00             | 3791.76                                |
| MW - 31 | 06/09/20      | 3858.52                     | -                   | 66.78             | 0.00             | 3791.74                                |
| MW - 31 | 07/16/20      | 3858.52                     | -                   | 66.84             | 0.00             | 3791.68                                |
| MW - 31 | 08/25/20      | 3858.52                     | -                   | 66.88             | 0.00             | 3791.64                                |
| MW - 31 | 12/17/20      | 3858.52                     | -                   | 67.04             | 0.00             | 3791.48                                |
| MW - 31 | 01/28/21      | 3858.52                     | -                   | 67.12             | 0.00             | 3791.40                                |
| MW - 31 | 03/22/21      | 3858.52                     | -                   | 67.23             | 0.00             | 3791.29                                |
| MW - 31 | 06/21/21      | 3858.52                     | -                   | 67.21             | 0.00             | 3791.31                                |
| MW - 31 | 09/09/21      | 3858.52                     | -                   | 67.54             | 0.00             | 3790.98                                |
| MW - 31 | 10/26/21      | 3858.52                     | -                   | 67.66             | 0.00             | 3790.86                                |
| MW - 31 | 12/15/21      | 3858.52                     | -                   | 67.70             | 0.00             | 3790.82                                |
| MW - 31 | 02/09/22      | 3858.52                     | -                   | 67.75             | 0.00             | 3790.77                                |
| MW - 31 | 05/02/22      | 3858.52                     | -                   | 67.90             | 0.00             | 3790.62                                |
| MW - 31 | 08/01/22      | 3858.52                     | -                   | 68.04             | 0.00             | 3790.48                                |
| MW - 31 | 10/27/22      | 3858.52                     | -                   | 68.18             | 0.00             | 3790.34                                |
|         |               |                             |                     |                   |                  |                                        |
| MW-32   | 11/03/04      | 3858.07                     | -                   | 61.62             | 0.00             | 3796.45                                |
| MW-32   | 11/10/04      | 3858.07                     | -                   | 61.58             | 0.00             | 3796.49                                |
| MW-32   | 03/17/05      | 3858.07                     | -                   | 61.13             | 0.00             | 3796.94                                |
| MW-32   | 06/15/05      | 3858.07                     | -                   | 61.22             | 0.00             | 3796.85                                |
| MW-32   | 09/14/05      | 3858.07                     | -                   | 61.34             | 0.00             | 3796.73                                |
| MW-32   | 12/13/05      | 3858.07                     | -                   | 61.54             | 0.00             | 3796.53                                |
| MW-32   | 03/15/06      | 3858.07                     | -                   | 61.70             | 0.00             | 3796.37                                |
| MW-32   | 06/14/06      | 3858.07                     | -                   | 61.83             | 0.00             | 3796.24                                |
| MW-32   | 09/13/06      | 3858.07                     | -                   | 61.93             | 0.00             | 3796.14                                |
| MW-32   | 12/06/06      | 3858.07                     | -                   | 61.98             | 0.00             | 3796.09                                |
| MW-32   | 03/01/07      | 3858.07                     | -                   | 62.01             | 0.00             | 3796.06                                |
| MW-32   | 05/24/07      | 3858.07                     | -                   | 62.06             | 0.00             | 3796.01                                |
| MW-32   | 08/23/07      | 3858.07                     | -                   | 62.13             | 0.00             | 3795.94                                |
| MW-32   | 11/08/07      | 3858.07                     | -                   | 62.21             | 0.00             | 3795.86                                |
| MW-32   | 03/04/08      | 3858.07                     | -                   | 62.34             | 0.00             | 3795.73                                |
| MW-32   | 06/11/08      | 3858.07                     | -                   | 62.38             | 0.00             | 3795.69                                |
| MW-32   | 09/09/08      | 3858.07                     | -                   | 62.46             | 0.00             | 3795.61                                |
| MW-32   | 12/11/08      | 3858.07                     | -                   | 62.53             | 0.00             | 3795.54                                |
| MW-32   | 02/26/09      | 3858.07                     | -                   | 62.60             | 0.00             | 3795.47                                |
| MW-32   | 05/22/09      | 3858.07                     | -                   | 62.54             | 0.00             | 3795.53                                |
| MW-32   | 08/18/09      | 3858.07                     | -                   | 62.70             | 0.00             | 3795.37                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 12/10/09      | 3858.07                     | -                   | 62.74             | 0.00             | 3795.33                                |
| MW-32 | 01/06/10      | 3858.07                     | -                   | 62.76             | 0.00             | 3795.31                                |
| MW-32 | 02/22/10      | 3858.07                     | -                   | 62.78             | 0.00             | 3795.29                                |
| MW-32 | 05/06/10      | 3858.07                     | -                   | 62.76             | 0.00             | 3795.31                                |
| MW-32 | 05/13/10      | 3858.07                     | -                   | 62.74             | 0.00             | 3795.33                                |
| MW-32 | 05/19/10      | 3858.07                     | -                   | 62.76             | 0.00             | 3795.31                                |
| MW-32 | 06/04/10      | 3858.07                     | -                   | 62.83             | 0.00             | 3795.24                                |
| MW-32 | 08/26/10      | 3858.07                     | -                   | 62.83             | 0.00             | 3795.24                                |
| MW-32 | 11/30/10      | 3858.07                     | -                   | 62.75             | 0.00             | 3795.32                                |
| MW-32 | 03/08/11      | 3858.07                     | -                   | 62.73             | 0.00             | 3795.34                                |
| MW-32 | 05/25/11      | 3858.07                     | -                   | 62.72             | 0.00             | 3795.35                                |
| MW-32 | 08/19/11      | 3858.07                     | -                   | 63.09             | 0.00             | 3794.98                                |
| MW-32 | 11/15/11      | 3858.07                     | -                   | 63.10             | 0.00             | 3794.97                                |
| MW-32 | 11/30/11      | 3858.07                     | -                   | 63.11             | 0.00             | 3794.96                                |
| MW-32 | 01/24/12      | 3858.07                     | -                   | 63.25             | 0.00             | 3794.82                                |
| MW-32 | 01/31/12      | 3858.07                     | -                   | 63.25             | 0.00             | 3794.82                                |
| MW-32 | 02/08/12      | 3858.07                     | -                   | 63.26             | 0.00             | 3794.81                                |
| MW-32 | 02/29/12      | 3858.07                     | -                   | 63.30             | 0.00             | 3794.77                                |
| MW-32 | 03/09/12      | 3858.07                     | -                   | 63.35             | 0.00             | 3794.72                                |
| MW-32 | 03/16/12      | 3858.07                     | -                   | 63.34             | 0.00             | 3794.73                                |
| MW-32 | 03/21/12      | 3858.07                     | -                   | 63.35             | 0.00             | 3794.72                                |
| MW-32 | 03/28/12      | 3858.07                     | -                   | 63.34             | 0.00             | 3794.73                                |
| MW-32 | 04/04/12      | 3858.07                     | -                   | 63.36             | 0.00             | 3794.71                                |
| MW-32 | 04/11/12      | 3858.07                     | -                   | 63.37             | 0.00             | 3794.70                                |
| MW-32 | 04/18/12      | 3858.07                     | -                   | 64.39             | 0.00             | 3793.68                                |
| MW-32 | 04/25/12      | 3858.07                     | -                   | 63.39             | 0.00             | 3794.68                                |
| MW-32 | 05/01/12      | 3858.07                     | -                   | 63.39             | 0.00             | 3794.68                                |
| MW-32 | 05/09/12      | 3858.07                     | -                   | 63.39             | 0.00             | 3794.68                                |
| MW-32 | 06/07/12      | 3858.07                     | -                   | 63.43             | 0.00             | 3794.64                                |
| MW-32 | 06/20/12      | 3858.07                     | -                   | 63.47             | 0.00             | 3794.60                                |
| MW-32 | 06/27/12      | 3858.07                     | -                   | 63.47             | 0.00             | 3794.60                                |
| MW-32 | 07/11/12      | 3858.07                     | -                   | 63.51             | 0.00             | 3794.56                                |
| MW-32 | 08/10/12      | 3858.07                     | -                   | 63.74             | 0.00             | 3794.33                                |
| MW-32 | 09/06/12      | 3858.07                     | -                   | 63.55             | 0.00             | 3794.52                                |
| MW-32 | 10/04/12      | 3858.07                     | -                   | 63.64             | 0.00             | 3794.43                                |
| MW-32 | 10/12/12      | 3858.07                     | -                   | 63.64             | 0.00             | 3794.43                                |
| MW-32 | 10/18/12      | 3858.07                     | -                   | 63.65             | 0.00             | 3794.42                                |
| MW-32 | 10/25/12      | 3858.07                     | -                   | 63.66             | 0.00             | 3794.41                                |
| MW-32 | 10/31/12      | 3858.07                     | -                   | 63.65             | 0.00             | 3794.42                                |
| MW-32 | 11/15/12      | 3858.07                     | -                   | 63.65             | 0.00             | 3794.42                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 11/27/12      | 3858.07                     | -                   | 63.66             | 0.00             | 3794.41                                |
| MW-32 | 12/19/12      | 3858.07                     | -                   | 63.70             | 0.00             | 3794.37                                |
| MW-32 | 01/17/13      | 3858.07                     | -                   | 63.55             | 0.00             | 3794.52                                |
| MW-32 | 01/31/13      | 3858.07                     | -                   | 63.73             | 0.00             | 3794.34                                |
| MW-32 | 02/21/13      | 3858.07                     | -                   | 63.74             | 0.00             | 3794.33                                |
| MW-32 | 03/05/13      | 3858.07                     | -                   | 63.79             | 0.00             | 3794.28                                |
| MW-32 | 03/21/13      | 3858.07                     | -                   | 63.74             | 0.00             | 3794.33                                |
| MW-32 | 04/04/13      | 3858.07                     | -                   | 63.79             | 0.00             | 3794.28                                |
| MW-32 | 04/11/13      | 3858.07                     | -                   | 63.79             | 0.00             | 3794.28                                |
| MW-32 | 04/18/13      | 3858.07                     | -                   | 63.82             | 0.00             | 3794.25                                |
| MW-32 | 04/25/13      | 3858.07                     | -                   | 63.80             | 0.00             | 3794.27                                |
| MW-32 | 05/01/13      | 3858.07                     | -                   | 63.81             | 0.00             | 3794.26                                |
| MW-32 | 05/10/13      | 3858.07                     | -                   | 63.81             | 0.00             | 3794.26                                |
| MW-32 | 05/15/13      | 3858.07                     | -                   | 63.78             | 0.00             | 3794.29                                |
| MW-32 | 05/24/13      | 3858.07                     | -                   | 63.85             | 0.00             | 3794.22                                |
| MW-32 | 05/30/13      | 3858.07                     | -                   | 63.86             | 0.00             | 3794.21                                |
| MW-32 | 06/06/13      | 3858.07                     | -                   | 63.84             | 0.00             | 3794.23                                |
| MW-32 | 06/14/13      | 3858.07                     | -                   | 63.85             | 0.00             | 3794.22                                |
| MW-32 | 06/20/13      | 3858.07                     | -                   | 63.86             | 0.00             | 3794.21                                |
| MW-32 | 06/27/13      | 3858.07                     | -                   | 63.82             | 0.00             | 3794.25                                |
| MW-32 | 07/03/13      | 3858.07                     | -                   | 63.88             | 0.00             | 3794.19                                |
| MW-32 | 07/10/13      | 3858.07                     | -                   | 63.87             | 0.00             | 3794.20                                |
| MW-32 | 07/25/13      | 3858.07                     | -                   | 63.89             | 0.00             | 3794.18                                |
| MW-32 | 07/31/13      | 3858.07                     | -                   | 63.86             | 0.00             | 3794.21                                |
| MW-32 | 08/21/13      | 3858.07                     | -                   | 63.85             | 0.00             | 3794.22                                |
| MW-32 | 08/29/13      | 3858.07                     | -                   | 63.29             | 0.00             | 3794.78                                |
| MW-32 | 09/09/13      | 3858.07                     | -                   | 63.99             | 0.00             | 3794.08                                |
| MW-32 | 09/18/13      | 3858.07                     | -                   | 64.01             | 0.00             | 3794.06                                |
| MW-32 | 09/27/13      | 3858.07                     | -                   | 63.99             | 0.00             | 3794.08                                |
| MW-32 | 10/02/13      | 3858.07                     | -                   | 63.96             | 0.00             | 3794.11                                |
| MW-32 | 10/08/13      | 3858.07                     | -                   | 63.90             | 0.00             | 3794.17                                |
| MW-32 | 10/16/13      | 3858.07                     | -                   | 65.96             | 0.00             | 3792.11                                |
| MW-32 | 10/24/13      | 3858.07                     | -                   | 63.91             | 0.00             | 3794.16                                |
| MW-32 | 10/31/13      | 3858.07                     | -                   | 63.90             | 0.00             | 3794.17                                |
| MW-32 | 11/11/13      | 3858.07                     | -                   | 63.90             | 0.00             | 3794.17                                |
| MW-32 | 12/11/13      | 3858.07                     | -                   | 63.96             | 0.00             | 3794.11                                |
| MW-32 | 12/17/13      | 3858.07                     | -                   | 64.08             | 0.00             | 3793.99                                |
| MW-32 | 01/03/14      | 3858.07                     | -                   | 64.09             | 0.00             | 3793.98                                |
| MW-32 | 01/09/14      | 3858.07                     | -                   | 64.06             | 0.00             | 3794.01                                |
| MW-32 | 01/15/14      | 3858.07                     | -                   | 63.97             | 0.00             | 3794.10                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 01/22/14      | 3858.07                     | -                   | 63.96             | 0.00             | 3794.11                                |
| MW-32 | 01/29/14      | 3858.07                     | -                   | 63.99             | 0.00             | 3794.08                                |
| MW-32 | 02/20/14      | 3858.07                     | -                   | 64.01             | 0.00             | 3794.06                                |
| MW-32 | 03/04/14      | 3858.07                     | -                   | 64.01             | 0.00             | 3794.06                                |
| MW-32 | 03/11/14      | 3858.07                     | -                   | 64.15             | 0.00             | 3793.92                                |
| MW-32 | 03/18/14      | 3858.07                     | -                   | 64.08             | 0.00             | 3793.99                                |
| MW-32 | 03/29/14      | 3858.07                     | -                   | 64.08             | 0.00             | 3793.99                                |
| MW-32 | 04/01/14      | 3858.07                     | -                   | 64.12             | 0.00             | 3793.95                                |
| MW-32 | 04/08/14      | 3858.07                     | -                   | 64.12             | 0.00             | 3793.95                                |
| MW-32 | 04/18/14      | 3858.07                     | -                   | 64.09             | 0.00             | 3793.98                                |
| MW-32 | 04/23/14      | 3858.07                     | -                   | 64.10             | 0.00             | 3793.97                                |
| MW-32 | 05/05/14      | 3858.07                     | -                   | 64.07             | 0.00             | 3794.00                                |
| MW-32 | 05/16/14      | 3858.07                     | -                   | 64.08             | 0.00             | 3793.99                                |
| MW-32 | 05/20/14      | 3858.07                     | -                   | 64.15             | 0.00             | 3793.92                                |
| MW-32 | 05/30/14      | 3858.07                     | -                   | 64.13             | 0.00             | 3793.94                                |
| MW-32 | 06/18/14      | 3858.07                     | -                   | 64.12             | 0.00             | 3793.95                                |
| MW-32 | 06/27/14      | 3858.07                     | -                   | 64.17             | 0.00             | 3793.90                                |
| MW-32 | 07/02/14      | 3858.07                     | -                   | 64.22             | 0.00             | 3793.85                                |
| MW-32 | 07/10/14      | 3858.07                     | -                   | 64.18             | 0.00             | 3793.89                                |
| MW-32 | 07/29/14      | 3858.07                     | -                   | 64.23             | 0.00             | 3793.84                                |
| MW-32 | 07/30/14      | 3858.07                     | -                   | 64.23             | 0.00             | 3793.84                                |
| MW-32 | 08/08/14      | 3858.07                     | -                   | 64.20             | 0.00             | 3793.87                                |
| MW-32 | 08/19/14      | 3858.07                     | -                   | 64.14             | 0.00             | 3793.93                                |
| MW-32 | 09/04/14      | 3858.07                     | -                   | 64.20             | 0.00             | 3793.87                                |
| MW-32 | 09/11/14      | 3858.07                     | -                   | 64.40             | 0.00             | 3793.67                                |
| MW-32 | 10/16/14      | 3858.07                     | -                   | 64.24             | 0.00             | 3793.83                                |
| MW-32 | 10/22/14      | 3858.07                     | -                   | 64.23             | 0.00             | 3793.84                                |
| MW-32 | 10/30/14      | 3858.07                     | -                   | 64.26             | 0.00             | 3793.81                                |
| MW-32 | 11/24/14      | 3858.07                     | -                   | 64.27             | 0.00             | 3793.80                                |
| MW-32 | 12/05/14      | 3858.07                     | -                   | 64.19             | 0.00             | 3793.88                                |
| MW-32 | 12/12/14      | 3858.07                     | -                   | 64.26             | 0.00             | 3793.81                                |
| MW-32 | 12/19/14      | 3858.07                     | -                   | 64.25             | 0.00             | 3793.82                                |
| MW-32 | 01/07/15      | 3858.07                     | -                   | 64.21             | 0.00             | 3793.86                                |
| MW-32 | 01/15/15      | 3858.07                     | -                   | 64.29             | 0.00             | 3793.78                                |
| MW-32 | 02/05/15      | 3858.07                     | -                   | 64.27             | 0.00             | 3793.80                                |
| MW-32 | 02/11/15      | 3858.07                     | -                   | 64.23             | 0.00             | 3793.84                                |
| MW-32 | 02/20/15      | 3858.07                     | -                   | 64.30             | 0.00             | 3793.77                                |
| MW-32 | 03/06/15      | 3858.07                     | -                   | 64.28             | 0.00             | 3793.79                                |
| MW-32 | 03/11/15      | 3858.07                     | -                   | 64.29             | 0.00             | 3793.78                                |
| MW-32 | 03/13/15      | 3858.07                     | -                   | 64.34             | 0.00             | 3793.73                                |



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 03/17/15      | 3858.07                     | -                   | 64.26             | 0.00             | 3793.81                                |
| MW-32 | 04/01/15      | 3858.07                     | -                   | 64.25             | 0.00             | 3793.82                                |
| MW-32 | 04/09/15      | 3858.07                     | -                   | 64.31             | 0.00             | 3793.76                                |
| MW-32 | 04/15/15      | 3858.07                     | -                   | 64.33             | 0.00             | 3793.74                                |
| MW-32 | 04/17/15      | 3858.07                     | -                   | 62.01             | 0.00             | 3796.06                                |
| MW-32 | 04/28/15      | 3858.07                     | -                   | 64.32             | 0.00             | 3793.75                                |
| MW-32 | 05/19/15      | 3858.07                     | -                   | 64.26             | 0.00             | 3793.81                                |
| MW-32 | 06/02/15      | 3858.07                     | -                   | 64.25             | 0.00             | 3793.82                                |
| MW-32 | 06/11/15      | 3858.07                     | -                   | 64.28             | 0.00             | 3793.79                                |
| MW-32 | 06/17/15      | 3858.07                     | -                   | 64.28             | 0.00             | 3793.79                                |
| MW-32 | 06/25/15      | 3858.07                     | -                   | 64.28             | 0.00             | 3793.79                                |
| MW-32 | 07/01/15      | 3858.07                     | -                   | 64.29             | 0.00             | 3793.78                                |
| MW-32 | 07/08/15      | 3858.07                     | -                   | 64.31             | 0.00             | 3793.76                                |
| MW-32 | 07/15/15      | 3858.07                     | -                   | 64.31             | 0.00             | 3793.76                                |
| MW-32 | 07/22/15      | 3858.07                     | -                   | 64.57             | 0.00             | 3793.50                                |
| MW-32 | 07/29/15      | 3858.07                     | -                   | 64.33             | 0.00             | 3793.74                                |
| MW-32 | 07/31/15      | 3858.07                     | -                   | 64.25             | 0.00             | 3793.82                                |
| MW-32 | 08/06/15      | 3858.07                     | -                   | 64.33             | 0.00             | 3793.74                                |
| MW-32 | 08/12/15      | 3858.07                     | -                   | 64.15             | 0.00             | 3793.92                                |
| MW-32 | 08/17/15      | 3858.07                     | -                   | 64.16             | 0.00             | 3793.91                                |
| MW-32 | 08/19/15      | 3858.07                     | -                   | 64.34             | 0.00             | 3793.73                                |
| MW-32 | 08/27/15      | 3858.07                     | -                   | 64.32             | 0.00             | 3793.75                                |
| MW-32 | 09/03/15      | 3858.07                     | -                   | 64.36             | 0.00             | 3793.71                                |
| MW-32 | 09/09/15      | 3858.07                     | -                   | 64.45             | 0.00             | 3793.62                                |
| MW-32 | 09/11/15      | 3858.07                     | -                   | 64.46             | 0.00             | 3793.61                                |
| MW-32 | 09/15/15      | 3858.07                     | -                   | 64.44             | 0.00             | 3793.63                                |
| MW-32 | 09/22/15      | 3858.07                     | -                   | 64.42             | 0.00             | 3793.65                                |
| MW-32 | 09/30/15      | 3858.07                     | -                   | 64.45             | 0.00             | 3793.62                                |
| MW-32 | 10/06/15      | 3858.07                     | -                   | 64.41             | 0.00             | 3793.66                                |
| MW-32 | 10/13/15      | 3858.07                     | -                   | 64.63             | 0.00             | 3793.44                                |
| MW-32 | 10/22/15      | 3858.07                     | -                   | 64.50             | 0.00             | 3793.57                                |
| MW-32 | 10/27/15      | 3858.07                     | -                   | 64.49             | 0.00             | 3793.58                                |
| MW-32 | 11/11/15      | 3858.07                     | -                   | 64.48             | 0.00             | 3793.59                                |
| MW-32 | 11/18/15      | 3858.07                     | -                   | 64.36             | 0.00             | 3793.71                                |
| MW-32 | 12/03/15      | 3858.07                     | -                   | 64.55             | 0.00             | 3793.52                                |
| MW-32 | 12/10/15      | 3858.07                     | -                   | 64.40             | 0.00             | 3793.67                                |
| MW-32 | 12/22/15      | 3858.07                     | -                   | 64.52             | 0.00             | 3793.55                                |
| MW-32 | 01/08/16      | 3858.07                     | -                   | 64.60             | 0.00             | 3793.47                                |
| MW-32 | 01/14/16      | 3858.07                     | -                   | 64.41             | 0.00             | 3793.66                                |
| MW-32 | 01/28/16      | 3858.07                     | -                   | 64.49             | 0.00             | 3793.58                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED      | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|--------------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 02/02/16           | 3858.07                     | -                   | 64.56             | 0.00             | 3793.51                                |
| MW-32 | 02/09/16           | 3858.07                     | -                   | 64.47             | 0.00             | 3793.60                                |
| MW-32 | 03/02/16           | 3858.07                     | -                   | 64.57             | 0.00             | 3793.50                                |
| MW-32 | 03/09/16           | 3858.07                     | -                   | 64.57             | 0.00             | 3793.50                                |
| MW-32 | 03/17/16           | 3858.07                     | -                   | 64.52             | 0.00             | 3793.55                                |
| MW-32 | 04/06/16           | 3858.07                     | -                   | 64.55             | 0.00             | 3793.52                                |
| MW-32 | 04/13/16           | 3858.07                     | -                   | 64.61             | 0.00             | 3793.46                                |
| MW-32 | 04/20/16           | 3858.07                     | -                   | 64.50             | 0.00             | 3793.57                                |
| MW-32 | 04/27/16           | 3858.07                     | -                   | 64.64             | 0.00             | 3793.43                                |
| MW-32 | 04/28/16           | 3858.07                     | -                   | 64.64             | 0.00             | 3793.43                                |
| MW-32 | 05/05/16           | 3858.07                     | -                   | 64.63             | 0.00             | 3793.44                                |
| MW-32 | 05/10/16           | 3858.07                     | -                   | 64.64             | 0.00             | 3793.43                                |
| MW-32 | 06/15/16           | 3858.07                     | -                   | 64.64             | 0.00             | 3793.43                                |
| MW-32 | 06/21/16           | 3858.07                     | -                   | 64.69             | 0.00             | 3793.38                                |
| MW-32 | 06/30/16           | 3858.07                     | -                   | 64.66             | 0.00             | 3793.41                                |
| MW-32 | 07/01/16           | 3858.07                     | -                   | 64.66             | 0.00             | 3793.41                                |
| MW-32 | 07/15/16           | 3858.07                     | -                   | 64.65             | 0.00             | 3793.42                                |
| MW-32 | 07/21/16           | 3858.07                     | -                   | 64.74             | 0.00             | 3793.33                                |
| MW-32 | 07/28/16           | 3858.07                     | -                   | 64.63             | 0.00             | 3793.44                                |
| MW-32 | 08/02/16           | 3858.07                     | -                   | 64.71             | 0.00             | 3793.36                                |
| MW-32 | 08/09/16           | 3858.07                     | -                   | 64.72             | 0.00             | 3793.35                                |
| MW-32 | 08/16/16           | 3858.07                     | -                   | 64.62             | 0.00             | 3793.45                                |
| MW-32 | 08/25/16           | 3858.07                     | -                   | 64.67             | 0.00             | 3793.40                                |
| MW-32 | 09/01/16           | 3858.07                     | -                   | 64.75             | 0.00             | 3793.32                                |
| MW-32 | 09/08/16           | 3858.07                     | -                   | 64.77             | 0.00             | 3793.30                                |
| MW-32 | 9/14/16 -9/15/2016 | 3858.07                     | -                   | 64.69             | 0.00             | 3793.38                                |
| MW-32 | 09/22/16           | 3858.07                     | -                   | 64.78             | 0.00             | 3793.29                                |
| MW-32 | 09/29/16           | 3858.07                     | -                   | 64.81             | 0.00             | 3793.26                                |
| MW-32 | 10/13/16           | 3858.07                     | -                   | 64.82             | 0.00             | 3793.25                                |
| MW-32 | 10/20/16           | 3858.07                     | -                   | 64.82             | 0.00             | 3793.25                                |
| MW-32 | 10/27/16           | 3858.07                     | -                   | 64.84             | 0.00             | 3793.23                                |
| MW-32 | 11/10/16           | 3858.07                     | -                   | 64.77             | 0.00             | 3793.30                                |
| MW-32 | 11/16/16           | 3858.07                     | -                   | 64.80             | 0.00             | 3793.27                                |
| MW-32 | 12/09/16           | 3858.07                     | -                   | 64.83             | 0.00             | 3793.24                                |
| MW-32 | 12/14/16           | 3858.07                     | -                   | 64.92             | 0.00             | 3793.15                                |
| MW-32 | 01/05/17           | 3858.07                     | -                   | 64.91             | 0.00             | 3793.16                                |
| MW-32 | 01/12/17           | 3858.07                     | -                   | 64.35             | 0.00             | 3793.72                                |
| MW-32 | 01/19/17           | 3858.07                     | -                   | 64.35             | 0.00             | 3793.72                                |
| MW-32 | 01/20/17           | 3858.07                     | -                   | 64.85             | 0.00             | 3793.22                                |
| MW-32 | 01/25/17           | 3858.07                     | -                   | 64.97             | 0.00             | 3793.10                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 02/02/17      | 3858.07                     | -                   | 65.00             | 0.00             | 3793.07                                |
| MW-32 | 02/09/17      | 3858.07                     | -                   | 64.91             | 0.00             | 3793.16                                |
| MW-32 | 02/22/17      | 3858.07                     | -                   | 64.97             | 0.00             | 3793.10                                |
| MW-32 | 03/09/17      | 3858.07                     | -                   | 64.95             | 0.00             | 3793.12                                |
| MW-32 | 03/16/17      | 3858.07                     | -                   | 65.03             | 0.00             | 3793.04                                |
| MW-32 | 03/30/17      | 3858.07                     | -                   | 65.06             | 0.00             | 3793.01                                |
| MW-32 | 04/06/17      | 3858.07                     | -                   | 64.97             | 0.00             | 3793.10                                |
| MW-32 | 04/12/17      | 3858.07                     | -                   | 65.02             | 0.00             | 3793.05                                |
| MW-32 | 05/03/17      | 3858.07                     | -                   | 65.14             | 0.00             | 3792.93                                |
| MW-32 | 05/17/17      | 3858.07                     | -                   | 65.15             | 0.00             | 3792.92                                |
| MW-32 | 05/26/17      | 3858.07                     | -                   | 65.13             | 0.00             | 3792.94                                |
| MW-32 | 06/08/17      | 3858.07                     | -                   | 65.21             | 0.00             | 3792.86                                |
| MW-32 | 06/09/17      | 3858.07                     | -                   | 65.21             | 0.00             | 3792.86                                |
| MW-32 | 06/30/17      | 3858.07                     | -                   | 65.27             | 0.00             | 3792.80                                |
| MW-32 | 07/06/17      | 3858.07                     | -                   | 65.31             | 0.00             | 3792.76                                |
| MW-32 | 07/19/17      | 3858.07                     | -                   | 65.31             | 0.00             | 3792.76                                |
| MW-32 | 07/23/17      | 3858.07                     | -                   | 65.36             | 0.00             | 3792.71                                |
| MW-32 | 07/26/17      | 3858.07                     | -                   | 65.22             | 0.00             | 3792.85                                |
| MW-32 | 08/23/17      | 3858.07                     | -                   | 65.41             | 0.00             | 3792.66                                |
| MW-32 | 09/28/17      | 3858.07                     | -                   | 65.46             | 0.00             | 3792.61                                |
| MW-32 | 10/10/17      | 3858.07                     | -                   | 65.33             | 0.00             | 3792.74                                |
| MW-32 | 11/29/17      | 3858.07                     | -                   | 65.56             | 0.00             | 3792.51                                |
| MW-32 | 01/08/18      | 3858.07                     | -                   | 65.64             | 0.00             | 3792.43                                |
| MW-32 | 01/18/18      | 3858.07                     | -                   | 65.69             | 0.00             | 3792.38                                |
| MW-32 | 02/14/18      | 3858.07                     | -                   | 65.73             | 0.00             | 3792.34                                |
| MW-32 | 04/30/18      | 3858.07                     | -                   | 65.86             | 0.00             | 3792.21                                |
| MW-32 | 05/03/18      | 3858.07                     | -                   | 65.77             | 0.00             | 3792.30                                |
| MW-32 | 05/17/18      | 3858.07                     | -                   | 65.77             | 0.00             | 3792.30                                |
| MW-32 | 07/06/18      | 3858.07                     | -                   | 65.86             | 0.00             | 3792.21                                |
| MW-32 | 07/05/18      | 3858.07                     | -                   | 65.86             | 0.00             | 3792.21                                |
| MW-32 | 07/26/18      | 3858.07                     | -                   | 66.01             | 0.00             | 3792.06                                |
| MW-32 | 08/16/18      | 3858.07                     | -                   | 66.00             | 0.00             | 3792.07                                |
| MW-32 | 11/16/18      | 3858.07                     | -                   | 66.12             | 0.00             | 3791.95                                |
| MW-32 | 11/29/18      | 3858.07                     | -                   | 66.09             | 0.00             | 3791.98                                |
| MW-32 | 12/06/18      | 3858.07                     | -                   | 66.13             | 0.00             | 3791.94                                |
| MW-32 | 12/11/18      | 3858.07                     | -                   | 66.25             | 0.00             | 3791.82                                |
| MW-32 | 12/27/18      | 3858.07                     | -                   | 66.25             | 0.00             | 3791.82                                |
| MW-32 | 01/04/19      | 3858.07                     | -                   | 66.25             | 0.00             | 3791.82                                |
| MW-32 | 01/17/19      | 3858.07                     | -                   | 66.20             | 0.00             | 3791.87                                |
| MW-32 | 01/24/19      | 3858.07                     | -                   | 66.30             | 0.00             | 3791.77                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-32 | 02/21/19      | 3858.07                     | -                   | 66.36             | 0.00             | 3791.71                                |
| MW-32 | 04/04/19      | 3858.07                     | -                   | 66.43             | 0.00             | 3791.64                                |
| MW-32 | 05/30/19      | 3858.07                     | -                   | 66.49             | 0.00             | 3791.58                                |
| MW-32 | 08/28/19      | 3858.07                     | -                   | 66.58             | 0.00             | 3791.49                                |
| MW-32 | 10/31/19      | 3858.07                     | -                   | 66.84             | 0.00             | 3791.23                                |
| MW-32 | 03/18/20      | 3858.07                     | -                   | 66.96             | 0.00             | 3791.11                                |
| MW-32 | 05/13/20      | 3858.07                     | -                   | 67.50             | 0.00             | 3790.57                                |
| MW-32 | 06/10/20      | 3858.07                     | -                   | 67.06             | 0.00             | 3791.01                                |
| MW-32 | 07/16/20      | 3858.07                     | -                   | 67.08             | 0.00             | 3790.99                                |
| MW-32 | 08/26/20      | 3858.07                     | -                   | 67.14             | 0.00             | 3790.93                                |
| MW-32 | 12/18/20      | 3858.07                     | -                   | 67.29             | 0.00             | 3790.78                                |
| MW-32 | 01/28/21      | 3858.07                     | -                   | 67.35             | 0.00             | 3790.72                                |
| MW-32 | 03/24/21      | 3858.07                     | -                   | 67.47             | 0.00             | 3790.60                                |
| MW-32 | 06/23/21      | 3858.07                     | -                   | 67.62             | 0.00             | 3790.45                                |
| MW-32 | 07/22/21      | 3858.07                     | -                   | 67.69             | 0.00             | 3790.38                                |
| MW-32 | 08/05/21      | 3858.07                     | -                   | 67.72             | 0.00             | 3790.35                                |
| MW-32 | 08/20/21      | 3858.07                     | -                   | 67.76             | 0.00             | 3790.31                                |
| MW-32 | 09/10/21      | 3858.07                     | -                   | 67.77             | 0.00             | 3790.30                                |
| MW-32 | 10/26/21      | 3858.07                     | -                   | 67.83             | 0.00             | 3790.24                                |
| MW-32 | 12/14/21      | 3858.07                     | -                   | 67.94             | 0.00             | 3790.13                                |
| MW-32 | 02/10/22      | 3858.07                     | -                   | 67.95             | 0.00             | 3790.12                                |
| MW-32 | 03/09/22      | 3858.07                     | -                   | 68.01             | 0.00             | 3790.06                                |
| MW-32 | 05/03/22      | 3858.07                     | -                   | 68.10             | 0.00             | 3789.97                                |
| MW-32 | 08/03/22      | 3858.07                     | -                   | 68.23             | 0.00             | 3789.84                                |
| MW-32 | 10/27/22      | 3858.07                     | -                   | 68.40             | 0.00             | 3789.67                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-33 | 11/03/04      | 3858.36                     | -                   | 62.20             | 0.00             | 3796.16                                |
| MW-33 | 11/10/04      | 3858.36                     | -                   | 62.18             | 0.00             | 3796.18                                |
| MW-33 | 03/17/05      | 3858.36                     | -                   | 61.74             | 0.00             | 3796.62                                |
| MW-33 | 06/15/05      | 3858.36                     | -                   | 61.80             | 0.00             | 3796.56                                |
| MW-33 | 09/14/05      | 3858.36                     | -                   | 61.95             | 0.00             | 3796.41                                |
| MW-33 | 12/13/05      | 3858.36                     | -                   | 62.16             | 0.00             | 3796.20                                |
| MW-33 | 03/15/06      | 3858.36                     | -                   | 62.32             | 0.00             | 3796.04                                |
| MW-33 | 06/14/06      | 3858.36                     | -                   | 62.46             | 0.00             | 3795.90                                |
| MW-33 | 09/13/06      | 3858.36                     | -                   | 62.54             | 0.00             | 3795.82                                |
| MW-33 | 12/05/06      | 3858.36                     | -                   | 62.58             | 0.00             | 3795.78                                |
| MW-33 | 03/01/07      | 3858.36                     | -                   | 62.64             | 0.00             | 3795.72                                |
| MW-33 | 05/24/07      | 3858.36                     | -                   | 62.73             | 0.00             | 3795.63                                |
| MW-33 | 08/23/07      | 3858.36                     | -                   | 62.78             | 0.00             | 3795.58                                |
| MW-33 | 11/08/07      | 3858.36                     | -                   | 62.86             | 0.00             | 3795.50                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-33 | 03/04/08      | 3858.36                     | -                   | 62.97             | 0.00             | 3795.39                                |
| MW-33 | 06/11/08      | 3858.36                     | -                   | 63.02             | 0.00             | 3795.34                                |
| MW-33 | 09/09/08      | 3858.36                     | -                   | 63.10             | 0.00             | 3795.26                                |
| MW-33 | 12/11/08      | 3858.36                     | -                   | 63.18             | 0.00             | 3795.18                                |
| MW-33 | 02/26/09      | 3858.36                     | -                   | 63.23             | 0.00             | 3795.13                                |
| MW-33 | 05/21/09      | 3858.36                     | -                   | 59.21             | 0.00             | 3799.15                                |
| MW-33 | 08/18/09      | 3858.36                     | -                   | 63.33             | 0.00             | 3795.03                                |
| MW-33 | 12/09/09      | 3858.36                     | -                   | 63.36             | 0.00             | 3795.00                                |
| MW-33 | 01/06/10      | 3858.36                     | -                   | 63.34             | 0.00             | 3795.02                                |
| MW-33 | 02/22/10      | 3858.36                     | -                   | 63.40             | 0.00             | 3794.96                                |
| MW-33 | 06/04/10      | 3858.36                     | -                   | 63.45             | 0.00             | 3794.91                                |
| MW-33 | 08/26/10      | 3858.36                     | -                   | 63.47             | 0.00             | 3794.89                                |
| MW-33 | 11/30/10      | 3858.36                     | -                   | 63.35             | 0.00             | 3795.01                                |
| MW-33 | 03/08/11      | 3858.36                     | -                   | 63.33             | 0.00             | 3795.03                                |
| MW-33 | 05/25/11      | 3858.36                     | -                   | 63.32             | 0.00             | 3795.04                                |
| MW-33 | 08/18/11      | 3858.36                     | -                   | 63.69             | 0.00             | 3794.67                                |
| MW-33 | 11/15/11      | 3858.36                     | -                   | 63.68             | 0.00             | 3794.68                                |
| MW-33 | 02/29/12      | 3858.36                     | -                   | 63.92             | 0.00             | 3794.44                                |
| MW-33 | 05/01/12      | 3858.36                     | -                   | 63.98             | 0.00             | 3794.38                                |
| MW-33 | 08/10/12      | 3858.36                     | -                   | 64.33             | 0.00             | 3794.03                                |
| MW-33 | 11/27/12      | 3858.36                     | -                   | 64.23             | 0.00             | 3794.13                                |
| MW-33 | 02/21/13      | 3858.36                     | -                   | 64.32             | 0.00             | 3794.04                                |
| MW-33 | 05/15/13      | 3858.36                     | -                   | 64.35             | 0.00             | 3794.01                                |
| MW-33 | 08/21/13      | 3858.36                     | -                   | 64.42             | 0.00             | 3793.94                                |
| MW-33 | 11/11/13      | 3858.36                     | -                   | 64.47             | 0.00             | 3793.89                                |
| MW-33 | 02/19/14      | 3858.36                     | -                   | 64.56             | 0.00             | 3793.80                                |
| MW-33 | 05/20/14      | 3858.36                     | -                   | 64.63             | 0.00             | 3793.73                                |
| MW-33 | 07/29/14      | 3858.36                     | -                   | 64.66             | 0.00             | 3793.70                                |
| MW-33 | 08/19/14      | 3858.36                     | -                   | 64.67             | 0.00             | 3793.69                                |
| MW-33 | 10/30/14      | 3858.36                     | -                   | 64.76             | 0.00             | 3793.60                                |
| MW-33 | 11/24/14      | 3858.36                     | -                   | 64.75             | 0.00             | 3793.61                                |
| MW-33 | 02/10/15      | 3858.36                     | -                   | 64.78             | 0.00             | 3793.58                                |
| MW-33 | 03/11/15      | 3858.36                     | -                   | 64.81             | 0.00             | 3793.55                                |
| MW-33 | 04/17/15      | 3858.36                     | -                   | 62.43             | 0.00             | 3795.93                                |
| MW-33 | 05/19/15      | 3858.36                     | -                   | 64.84             | 0.00             | 3793.52                                |
| MW-33 | 07/31/15      | 3858.36                     | -                   | 64.92             | 0.00             | 3793.44                                |
| MW-33 | 08/12/15      | 3858.36                     | -                   | 64.91             | 0.00             | 3793.45                                |
| MW-33 | 09/11/15      | 3858.36                     | -                   | 64.97             | 0.00             | 3793.39                                |
| MW-33 | 11/10/15      | 3858.36                     | -                   | 64.99             | 0.00             | 3793.37                                |
| MW-33 | 02/02/16      | 3858.36                     | -                   | 65.07             | 0.00             | 3793.29                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-33 | 04/28/16      | 3858.36                     | -                   | 65.13             | 0.00             | 3793.23                                |
| MW-33 | 05/10/16      | 3858.36                     | -                   | 65.16             | 0.00             | 3793.20                                |
| MW-33 | 07/01/16      | 3858.36                     | -                   | 65.18             | 0.00             | 3793.18                                |
| MW-33 | 07/29/16      | 3858.36                     | -                   | 65.22             | 0.00             | 3793.14                                |
| MW-33 | 08/08/16      | 3858.36                     | -                   | 65.22             | 0.00             | 3793.14                                |
| MW-33 | 09/15/16      | 3858.36                     | -                   | 65.25             | 0.00             | 3793.11                                |
| MW-33 | 11/15/16      | 3858.36                     | -                   | 65.34             | 0.00             | 3793.02                                |
| MW-33 | 12/14/16      | 3858.36                     | -                   | 65.40             | 0.00             | 3792.96                                |
| MW-33 | 01/20/17      | 3858.36                     | -                   | 65.44             | 0.00             | 3792.92                                |
| MW-33 | 02/22/17      | 3858.36                     | -                   | 65.50             | 0.00             | 3792.86                                |
| MW-33 | 05/16/17      | 3858.36                     | -                   | 65.65             | 0.00             | 3792.71                                |
| MW-33 | 07/26/17      | 3858.36                     | -                   | 62.52             | 0.00             | 3795.84                                |
| MW-33 | 08/22/17      | 3858.36                     | -                   | 65.85             | 0.00             | 3792.51                                |
| MW-33 | 10/10/17      | 3858.36                     | -                   | 65.96             | 0.00             | 3792.40                                |
| MW-33 | 11/28/17      | 3858.36                     | -                   | 66.06             | 0.00             | 3792.30                                |
| MW-33 | 01/08/18      | 3858.36                     | -                   | 65.11             | 0.00             | 3793.25                                |
| MW-33 | 02/13/18      | 3858.36                     | -                   | 66.17             | 0.00             | 3792.19                                |
| MW-33 | 04/30/18      | 3858.36                     | -                   | 66.29             | 0.00             | 3792.07                                |
| MW-33 | 05/16/18      | 3858.36                     | -                   | 66.31             | 0.00             | 3792.05                                |
| MW-33 | 07/05/18      | 3858.36                     | -                   | 66.34             | 0.00             | 3792.02                                |
| MW-33 | 07/26/18      | 3858.36                     | -                   | 66.43             | 0.00             | 3791.93                                |
| MW-33 | 08/15/18      | 3858.36                     | -                   | 66.43             | 0.00             | 3791.93                                |
| MW-33 | 11/28/18      | 3858.36                     | -                   | 66.58             | 0.00             | 3791.78                                |
| MW-33 | 12/27/18      | 3858.36                     | -                   | 66.49             | 0.00             | 3791.87                                |
| MW-33 | 01/17/19      | 3858.36                     | -                   | 66.69             | 0.00             | 3791.67                                |
| MW-33 | 02/21/19      | 3858.36                     | -                   | 66.71             | 0.00             | 3791.65                                |
| MW-33 | 04/04/19      | 3858.36                     | -                   | 66.81             | 0.00             | 3791.55                                |
| MW-33 | 05/29/19      | 3858.36                     | -                   | 66.86             | 0.00             | 3791.50                                |
| MW-33 | 08/27/19      | 3858.36                     | -                   | 67.04             | 0.00             | 3791.32                                |
| MW-33 | 10/30/19      | 3858.36                     | -                   | 67.21             | 0.00             | 3791.15                                |
| MW-33 | 03/17/20      | 3858.36                     | -                   | 67.49             | 0.00             | 3790.87                                |
| MW-33 | 05/13/20      | 3858.36                     | -                   | 67.56             | 0.00             | 3790.80                                |
| MW-33 | 06/09/20      | 3858.36                     | -                   | 67.61             | 0.00             | 3790.75                                |
| MW-33 | 07/16/20      | 3858.36                     | -                   | 67.63             | 0.00             | 3790.73                                |
| MW-33 | 08/25/20      | 3858.36                     | -                   | 67.69             | 0.00             | 3790.67                                |
| MW-33 | 12/16/20      | 3858.36                     | -                   | 67.83             | 0.00             | 3790.53                                |
| MW-33 | 01/28/21      | 3858.36                     | -                   | 67.90             | 0.00             | 3790.46                                |
| MW-33 | 03/22/21      | 3858.36                     | -                   | 68.00             | 0.00             | 3790.36                                |
| MW-33 | 06/22/21      | 3858.36                     | -                   | 68.18             | 0.00             | 3790.18                                |
| MW-33 | 07/22/21      | 3858.36                     | -                   | 68.23             | 0.00             | 3790.13                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-33 | 09/09/21      | 3858.36                     | -                   | 68.31             | 0.00             | 3790.05                                |
| MW-33 | 10/26/21      | 3858.36                     | -                   | 68.36             | 0.00             | 3790.00                                |
| MW-33 | 12/14/21      | 3858.36                     | -                   | 68.45             | 0.00             | 3789.91                                |
| MW-33 | 02/09/22      | 3858.36                     | -                   | 68.48             | 0.00             | 3789.88                                |
| MW-33 | 05/02/22      | 3858.36                     | -                   | 68.62             | 0.00             | 3789.74                                |
| MW-33 | 08/02/22      | 3858.36                     | -                   | 68.76             | 0.00             | 3789.60                                |
| MW-33 | 10/26/22      | 3858.36                     | -                   | 68.88             | 0.00             | 3789.48                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-34 | 03/15/06      | 3857.91                     | -                   | 62.28             | 0.00             | 3795.63                                |
| MW-34 | 06/14/06      | 3857.91                     | -                   | 62.40             | 0.00             | 3795.51                                |
| MW-34 | 09/13/06      | 3857.91                     | -                   | 62.49             | 0.00             | 3795.42                                |
| MW-34 | 12/06/06      | 3857.91                     | -                   | 62.55             | 0.00             | 3795.36                                |
| MW-34 | 03/01/07      | 3857.91                     | -                   | 62.64             | 0.00             | 3795.27                                |
| MW-34 | 05/24/07      | 3857.91                     | -                   | 62.66             | 0.00             | 3795.25                                |
| MW-34 | 08/23/07      | 3857.91                     | -                   | 62.72             | 0.00             | 3795.19                                |
| MW-34 | 11/08/07      | 3857.91                     | -                   | 62.80             | 0.00             | 3795.11                                |
| MW-34 | 03/04/08      | 3857.91                     | -                   | 62.91             | 0.00             | 3795.00                                |
| MW-34 | 06/11/08      | 3857.91                     | -                   | 62.96             | 0.00             | 3794.95                                |
| MW-34 | 09/09/08      | 3857.91                     | -                   | 63.05             | 0.00             | 3794.86                                |
| MW-34 | 12/11/08      | 3857.91                     | -                   | 63.14             | 0.00             | 3794.77                                |
| MW-34 | 02/27/09      | 3857.91                     | -                   | 63.18             | 0.00             | 3794.73                                |
| MW-34 | 05/22/09      | 3857.91                     | -                   | 63.23             | 0.00             | 3794.68                                |
| MW-34 | 08/18/09      | 3857.91                     | -                   | 63.28             | 0.00             | 3794.63                                |
| MW-34 | 12/10/09      | 3857.91                     | -                   | 63.30             | 0.00             | 3794.61                                |
| MW-34 | 01/06/10      | 3857.91                     | -                   | 63.32             | 0.00             | 3794.59                                |
| MW-34 | 02/22/10      | 3857.91                     | -                   | 63.34             | 0.00             | 3794.57                                |
| MW-34 | 05/06/10      | 3857.91                     | -                   | 63.46             | 0.00             | 3794.45                                |
| MW-34 | 05/13/10      | 3857.91                     | -                   | 63.47             | 0.00             | 3794.44                                |
| MW-34 | 05/19/10      | 3857.91                     | -                   | 63.46             | 0.00             | 3794.45                                |
| MW-34 | 06/04/10      | 3857.91                     | -                   | 63.38             | 0.00             | 3794.53                                |
| MW-34 | 08/26/10      | 3857.91                     | -                   | 63.39             | 0.00             | 3794.52                                |
| MW-34 | 11/30/10      | 3857.91                     | -                   | 63.33             | 0.00             | 3794.58                                |
| MW-34 | 03/08/11      | 3857.91                     | -                   | 63.34             | 0.00             | 3794.57                                |
| MW-34 | 05/25/11      | 3857.91                     | -                   | 63.33             | 0.00             | 3794.58                                |
| MW-34 | 08/18/11      | 3857.91                     | -                   | 63.71             | 0.00             | 3794.20                                |
| MW-34 | 11/15/11      | 3857.91                     | -                   | 63.63             | 0.00             | 3794.28                                |
| MW-34 | 02/29/12      | 3857.91                     | -                   | 63.83             | 0.00             | 3794.08                                |
| MW-34 | 05/01/12      | 3857.91                     | -                   | 63.93             | 0.00             | 3793.98                                |
| MW-34 | 08/10/12      | 3857.91                     | -                   | 64.28             | 0.00             | 3793.63                                |
| MW-34 | 11/28/12      | 3857.91                     | -                   | 64.19             | 0.00             | 3793.72                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-34 | 02/21/13      | 3857.91                     | -                   | 64.25             | 0.00             | 3793.66                                |
| MW-34 | 05/15/13      | 3857.91                     | -                   | 64.31             | 0.00             | 3793.60                                |
| MW-34 | 08/21/13      | 3857.91                     | -                   | 64.35             | 0.00             | 3793.56                                |
| MW-34 | 11/11/13      | 3857.91                     | -                   | 64.40             | 0.00             | 3793.51                                |
| MW-34 | 02/19/14      | 3857.91                     | -                   | 64.49             | 0.00             | 3793.42                                |
| MW-34 | 05/20/14      | 3857.91                     | -                   | 64.57             | 0.00             | 3793.34                                |
| MW-34 | 07/29/14      | 3857.91                     | -                   | 64.63             | 0.00             | 3793.28                                |
| MW-34 | 08/19/14      | 3857.91                     | -                   | 64.62             | 0.00             | 3793.29                                |
| MW-34 | 10/30/14      | 3857.91                     | -                   | 64.68             | 0.00             | 3793.23                                |
| MW-34 | 11/24/14      | 3857.91                     | -                   | 64.66             | 0.00             | 3793.25                                |
| MW-34 | 02/10/15      | 3857.91                     | -                   | 64.69             | 0.00             | 3793.22                                |
| MW-34 | 03/11/15      | 3857.91                     | -                   | 64.72             | 0.00             | 3793.19                                |
| MW-34 | 04/17/15      | 3857.91                     | -                   | 60.82             | 0.00             | 3797.09                                |
| MW-34 | 05/19/15      | 3857.91                     | -                   | 64.76             | 0.00             | 3793.15                                |
| MW-34 | 07/31/15      | 3857.91                     | -                   | 64.84             | 0.00             | 3793.07                                |
| MW-34 | 08/12/15      | 3857.91                     | -                   | 64.83             | 0.00             | 3793.08                                |
| MW-34 | 09/11/15      | 3857.91                     | -                   | 64.86             | 0.00             | 3793.05                                |
| MW-34 | 11/10/15      | 3857.91                     | -                   | 64.89             | 0.00             | 3793.02                                |
| MW-34 | 02/02/16      | 3857.91                     | -                   | 64.98             | 0.00             | 3792.93                                |
| MW-34 | 04/28/16      | 3857.91                     | -                   | 65.03             | 0.00             | 3792.88                                |
| MW-34 | 05/10/16      | 3857.91                     | -                   | 65.05             | 0.00             | 3792.86                                |
| MW-34 | 07/01/16      | 3857.91                     | -                   | 65.09             | 0.00             | 3792.82                                |
| MW-34 | 07/29/16      | 3857.91                     | -                   | 65.14             | 0.00             | 3792.77                                |
| MW-34 | 08/08/16      | 3857.91                     | -                   | 65.12             | 0.00             | 3792.79                                |
| MW-34 | 09/15/16      | 3857.91                     | -                   | 65.16             | 0.00             | 3792.75                                |
| MW-34 | 11/15/16      | 3857.91                     | -                   | 65.25             | 0.00             | 3792.66                                |
| MW-34 | 12/14/16      | 3857.91                     | -                   | 65.31             | 0.00             | 3792.60                                |
| MW-34 | 01/20/17      | 3857.91                     | -                   | 65.33             | 0.00             | 3792.58                                |
| MW-34 | 02/22/17      | 3857.91                     | -                   | 65.40             | 0.00             | 3792.51                                |
| MW-34 | 05/17/17      | 3857.91                     | -                   | 65.56             | 0.00             | 3792.35                                |
| MW-34 | 06/09/17      | 3857.91                     | -                   | 65.64             | 0.00             | 3792.27                                |
| MW-34 | 07/26/17      | 3857.91                     | -                   | 65.81             | 0.00             | 3792.10                                |
| MW-34 | 08/22/17      | 3857.91                     | -                   | 65.77             | 0.00             | 3792.14                                |
| MW-34 | 10/10/17      | 3857.91                     | -                   | 65.91             | 0.00             | 3792.00                                |
| MW-34 | 11/28/17      | 3857.91                     | -                   | 66.00             | 0.00             | 3791.91                                |
| MW-34 | 01/08/18      | 3857.91                     | -                   | 66.04             | 0.00             | 3791.87                                |
| MW-34 | 02/13/18      | 3857.91                     | -                   | 66.11             | 0.00             | 3791.80                                |
| MW-34 | 04/30/18      | 3857.91                     | -                   | 66.24             | 0.00             | 3791.67                                |
| MW-34 | 05/16/18      | 3857.91                     | -                   | 66.25             | 0.00             | 3791.66                                |
| MW-34 | 07/05/18      | 3857.91                     | -                   | 66.35             | 0.00             | 3791.56                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-34 | 07/26/18      | 3857.91                     | -                   | 66.35             | 0.00             | 3791.56                                |
| MW-34 | 08/15/18      | 3857.91                     | -                   | 66.40             | 0.00             | 3791.51                                |
| MW-34 | 11/28/18      | 3857.91                     | -                   | 66.55             | 0.00             | 3791.36                                |
| MW-34 | 12/27/18      | 3857.91                     | -                   | 66.60             | 0.00             | 3791.31                                |
| MW-34 | 01/17/19      | 3857.91                     | -                   | 66.65             | 0.00             | 3791.26                                |
| MW-34 | 02/21/19      | 3857.91                     | -                   | 66.72             | 0.00             | 3791.19                                |
| MW-34 | 04/04/19      | 3857.91                     | -                   | 66.77             | 0.00             | 3791.14                                |
| MW-34 | 05/29/19      | 3857.91                     | -                   | 66.84             | 0.00             | 3791.07                                |
| MW-34 | 08/27/19      | 3857.91                     | -                   | 67.01             | 0.00             | 3790.90                                |
| MW-34 | 10/30/19      | 3857.91                     | -                   | 67.15             | 0.00             | 3790.76                                |
| MW-34 | 03/17/20      | 3857.91                     | -                   | 67.44             | 0.00             | 3790.47                                |
| MW-34 | 05/13/20      | 3857.91                     | -                   | 67.50             | 0.00             | 3790.41                                |
| MW-34 | 06/09/20      | 3857.91                     | -                   | 67.55             | 0.00             | 3790.36                                |
| MW-34 | 07/16/20      | 3857.91                     | -                   | 67.58             | 0.00             | 3790.33                                |
| MW-34 | 08/25/20      | 3857.91                     | -                   | 67.63             | 0.00             | 3790.28                                |
| MW-34 | 12/16/20      | 3857.91                     | -                   | 67.77             | 0.00             | 3790.14                                |
| MW-34 | 01/28/21      | 3857.91                     | -                   | 67.85             | 0.00             | 3790.06                                |
| MW-34 | 03/22/21      | 3857.91                     | -                   | 67.75             | 0.00             | 3790.16                                |
| MW-34 | 06/22/21      | 3857.91                     | -                   | 68.12             | 0.00             | 3789.79                                |
| MW-34 | 07/22/21      | 3857.91                     | -                   | 68.16             | 0.00             | 3789.75                                |
| MW-34 | 09/09/21      | 3857.91                     | -                   | 68.25             | 0.00             | 3789.66                                |
| MW-34 | 10/26/21      | 3857.91                     | -                   | 68.32             | 0.00             | 3789.59                                |
| MW-34 | 12/14/21      | 3857.91                     | -                   | 68.40             | 0.00             | 3789.51                                |
| MW-34 | 02/09/22      | 3857.91                     | -                   | 68.43             | 0.00             | 3789.48                                |
| MW-34 | 05/02/22      | 3857.91                     | -                   | 68.60             | 0.00             | 3789.31                                |
| MW-34 | 08/02/22      | 3857.91                     | -                   | 68.70             | 0.00             | 3789.21                                |
| MW-34 | 10/26/22      | 3857.91                     | -                   | 68.88             | 0.00             | 3789.03                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-35 | 03/15/06      | 3857.16                     | -                   | 61.80             | 0.00             | 3795.36                                |
| MW-35 | 06/14/06      | 3857.16                     | -                   | 61.89             | 0.00             | 3795.27                                |
| MW-35 | 09/13/06      | 3857.16                     | -                   | 61.97             | 0.00             | 3795.19                                |
| MW-35 | 12/06/06      | 3857.16                     | -                   | 62.04             | 0.00             | 3795.12                                |
| MW-35 | 03/01/07      | 3857.16                     | -                   | 62.09             | 0.00             | 3795.07                                |
| MW-35 | 05/24/07      | 3857.16                     | -                   | 62.13             | 0.00             | 3795.03                                |
| MW-35 | 08/23/07      | 3857.16                     | -                   | 62.22             | 0.00             | 3794.94                                |
| MW-35 | 11/08/07      | 3857.16                     | -                   | 62.28             | 0.00             | 3794.88                                |
| MW-35 | 03/04/08      | 3857.16                     | -                   | 62.39             | 0.00             | 3794.77                                |
| MW-35 | 06/11/08      | 3857.16                     | -                   | 62.44             | 0.00             | 3794.72                                |
| MW-35 | 09/09/08      | 3857.16                     | -                   | 62.53             | 0.00             | 3794.63                                |
| MW-35 | 12/11/08      | 3857.16                     | -                   | 62.51             | 0.00             | 3794.65                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-35 | 02/26/09      | 3857.16                     | -                   | 62.65             | 0.00             | 3794.51                                |
| MW-35 | 05/22/09      | 3857.16                     | -                   | 62.72             | 0.00             | 3794.44                                |
| MW-35 | 08/18/09      | 3857.16                     | -                   | 62.78             | 0.00             | 3794.38                                |
| MW-35 | 12/10/09      | 3857.16                     | -                   | 62.82             | 0.00             | 3794.34                                |
| MW-35 | 01/06/10      | 3857.16                     | -                   | 62.81             | 0.00             | 3794.35                                |
| MW-35 | 02/22/10      | 3857.16                     | -                   | 62.85             | 0.00             | 3794.31                                |
| MW-35 | 05/06/10      | 3857.16                     | -                   | 62.81             | 0.00             | 3794.35                                |
| MW-35 | 05/13/10      | 3857.16                     | -                   | 62.83             | 0.00             | 3794.33                                |
| MW-35 | 05/19/10      | 3857.16                     | -                   | 62.85             | 0.00             | 3794.31                                |
| MW-35 | 06/04/10      | 3857.16                     | -                   | 62.92             | 0.00             | 3794.24                                |
| MW-35 | 08/26/10      | 3857.16                     | -                   | 62.94             | 0.00             | 3794.22                                |
| MW-35 | 11/30/10      | 3857.16                     | -                   | 62.84             | 0.00             | 3794.32                                |
| MW-35 | 03/08/11      | 3857.16                     | -                   | 62.83             | 0.00             | 3794.33                                |
| MW-35 | 05/25/11      | 3857.16                     | -                   | 62.83             | 0.00             | 3794.33                                |
| MW-35 | 08/19/11      | 3857.16                     | -                   | 63.21             | 0.00             | 3793.95                                |
| MW-35 | 11/15/11      | 3857.16                     | -                   | 63.79             | 0.00             | 3793.37                                |
| MW-35 | 02/29/12      | 3857.16                     | -                   | 63.36             | 0.00             | 3793.80                                |
| MW-35 | 05/01/12      | 3857.16                     | -                   | 63.47             | 0.00             | 3793.69                                |
| MW-35 | 08/10/12      | 3857.16                     | -                   | 63.82             | 0.00             | 3793.34                                |
| MW-35 | 11/28/12      | 3857.16                     | -                   | 63.71             | 0.00             | 3793.45                                |
| MW-35 | 02/21/13      | 3857.16                     | -                   | 63.79             | 0.00             | 3793.37                                |
| MW-35 | 05/15/13      | 3857.16                     | -                   | 64.87             | 0.00             | 3792.29                                |
| MW-35 | 08/21/13      | 3857.16                     | -                   | 63.89             | 0.00             | 3793.27                                |
| MW-35 | 11/11/13      | 3857.16                     | -                   | 63.95             | 0.00             | 3793.21                                |
| MW-35 | 02/20/14      | 3857.16                     | -                   | 64.05             | 0.00             | 3793.11                                |
| MW-35 | 05/20/14      | 3857.16                     | -                   | 64.15             | 0.00             | 3793.01                                |
| MW-35 | 07/29/14      | 3857.16                     | -                   | 64.18             | 0.00             | 3792.98                                |
| MW-35 | 08/19/14      | 3857.16                     | -                   | 64.18             | 0.00             | 3792.98                                |
| MW-35 | 10/30/14      | 3857.16                     | -                   | 64.22             | 0.00             | 3792.94                                |
| MW-35 | 11/24/14      | 3857.16                     | -                   | 64.20             | 0.00             | 3792.96                                |
| MW-35 | 02/11/15      | 3857.16                     | -                   | 64.23             | 0.00             | 3792.93                                |
| MW-35 | 03/11/15      | 3857.16                     | -                   | 64.24             | 0.00             | 3792.92                                |
| MW-35 | 04/17/15      | 3857.16                     | -                   | 62.18             | 0.00             | 3794.98                                |
| MW-35 | 05/19/15      | 3857.16                     | -                   | 64.29             | 0.00             | 3792.87                                |
| MW-35 | 07/31/15      | 3857.16                     | -                   | 64.35             | 0.00             | 3792.81                                |
| MW-35 | 08/12/15      | 3857.16                     | -                   | 64.36             | 0.00             | 3792.80                                |
| MW-35 | 09/11/15      | 3857.16                     | -                   | 64.38             | 0.00             | 3792.78                                |
| MW-35 | 11/11/15      | 3857.16                     | -                   | 64.44             | 0.00             | 3792.72                                |
| MW-35 | 02/02/16      | 3857.16                     | -                   | 64.49             | 0.00             | 3792.67                                |
| MW-35 | 04/28/16      | 3857.16                     | -                   | 64.55             | 0.00             | 3792.61                                |

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-35 | 05/10/16      | 3857.16                     | -                   | 64.57             | 0.00             | 3792.59                                |
| MW-35 | 07/01/16      | 3857.16                     | -                   | 64.63             | 0.00             | 3792.53                                |
| MW-35 | 07/29/16      | 3857.16                     | -                   | 64.65             | 0.00             | 3792.51                                |
| MW-35 | 08/09/16      | 3857.16                     | -                   | 64.65             | 0.00             | 3792.51                                |
| MW-35 | 09/15/16      | 3857.16                     | -                   | 64.68             | 0.00             | 3792.48                                |
| MW-35 | 11/16/16      | 3857.16                     | -                   | 64.77             | 0.00             | 3792.39                                |
| MW-35 | 12/14/16      | 3857.16                     | -                   | 64.82             | 0.00             | 3792.34                                |
| MW-35 | 01/20/17      | 3857.16                     | -                   | 64.85             | 0.00             | 3792.31                                |
| MW-35 | 02/22/17      | 3857.16                     | -                   | 64.92             | 0.00             | 3792.24                                |
| MW-35 | 05/17/17      | 3857.16                     | -                   | 65.10             | 0.00             | 3792.06                                |
| MW-35 | 06/09/17      | 3857.16                     | -                   | 65.18             | 0.00             | 3791.98                                |
| MW-35 | 07/26/17      | 3857.16                     | -                   | 65.19             | 0.00             | 3791.97                                |
| MW-35 | 08/22/17      | 3857.16                     | -                   | 65.33             | 0.00             | 3791.83                                |
| MW-35 | 10/10/17      | 3857.16                     | -                   | 65.47             | 0.00             | 3791.69                                |
| MW-35 | 11/29/17      | 3857.16                     | -                   | 65.56             | 0.00             | 3791.60                                |
| MW-35 | 01/08/18      | 3857.16                     | -                   | 65.66             | 0.00             | 3791.50                                |
| MW-35 | 02/14/18      | 3857.16                     | -                   | 65.72             | 0.00             | 3791.44                                |
| MW-35 | 04/30/18      | 3857.16                     | -                   | 65.84             | 0.00             | 3791.32                                |
| MW-35 | 05/17/18      | 3857.16                     | -                   | 65.84             | 0.00             | 3791.32                                |
| MW-35 | 07/05/18      | 3857.16                     | -                   | 65.79             | 0.00             | 3791.37                                |
| MW-35 | 08/16/18      | 3857.16                     | -                   | 66.00             | 0.00             | 3791.16                                |
| MW-35 | 11/28/18      | 3857.16                     | -                   | 66.17             | 0.00             | 3790.99                                |
| MW-35 | 01/17/19      | 3857.16                     | -                   | 66.27             | 0.00             | 3790.89                                |
| MW-35 | 02/21/19      | 3857.16                     | -                   | 66.32             | 0.00             | 3790.84                                |
| MW-35 | 04/04/19      | 3857.16                     | -                   | 66.40             | 0.00             | 3790.76                                |
| MW-35 | 05/30/19      | 3857.16                     | -                   | 66.47             | 0.00             | 3790.69                                |
| MW-35 | 08/28/19      | 3857.16                     | -                   | 66.64             | 0.00             | 3790.52                                |
| MW-35 | 10/30/19      | 3857.16                     | -                   | 66.80             | 0.00             | 3790.36                                |
| MW-35 | 03/18/20      | 3857.16                     | -                   | 67.06             | 0.00             | 3790.10                                |
| MW-35 | 05/13/20      | 3857.16                     | -                   | 67.11             | 0.00             | 3790.05                                |
| MW-35 | 06/09/20      | 3857.16                     | -                   | 67.14             | 0.00             | 3790.02                                |
| MW-35 | 07/16/20      | 3857.16                     | -                   | 67.18             | 0.00             | 3789.98                                |
| MW-35 | 08/26/20      | 3857.16                     | -                   | 67.22             | 0.00             | 3789.94                                |
| MW-35 | 12/16/20      | 3857.16                     | -                   | 67.37             | 0.00             | 3789.79                                |
| MW-35 | 01/28/21      | 3857.16                     | -                   | 67.45             | 0.00             | 3789.71                                |
| MW-35 | 03/22/21      | 3857.16                     | -                   | 67.55             | 0.00             | 3789.61                                |
| MW-35 | 06/23/21      | 3857.16                     | -                   | 67.73             | 0.00             | 3789.43                                |
| MW-35 | 07/22/21      | 3857.16                     | -                   | 67.78             | 0.00             | 3789.38                                |
| MW-35 | 09/09/21      | 3857.16                     | -                   | 67.86             | 0.00             | 3789.30                                |
| MW-35 | 10/26/21      | 3857.16                     | -                   | 67.92             | 0.00             | 3789.24                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-35 | 12/14/21      | 3857.16                     | -                   | 68.04             | 0.00             | 3789.12                                |
| MW-35 | 02/09/22      | 3857.16                     | -                   | 68.07             | 0.00             | 3789.09                                |
| MW-35 | 03/09/22      | 3857.16                     | -                   | 68.11             | 0.00             | 3789.05                                |
| MW-35 | 05/03/22      | 3857.16                     | -                   | 68.21             | 0.00             | 3788.95                                |
| MW-35 | 08/03/22      | 3857.16                     | -                   | 68.32             | 0.00             | 3788.84                                |
| MW-35 | 10/27/22      | 3857.16                     | -                   | 68.50             | 0.00             | 3788.66                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-36 | 12/06/06      | 3858.80                     | -                   | 62.70             | 0.00             | 3796.10                                |
| MW-36 | 03/01/07      | 3858.80                     | -                   | 62.76             | 0.00             | 3796.04                                |
| MW-36 | 05/24/07      | 3858.80                     | -                   | 62.81             | 0.00             | 3795.99                                |
| MW-36 | 08/23/07      | 3858.80                     | -                   | 62.88             | 0.00             | 3795.92                                |
| MW-36 | 11/08/07      | 3858.80                     | -                   | 62.94             | 0.00             | 3795.86                                |
| MW-36 | 03/04/08      | 3858.80                     | -                   | 63.04             | 0.00             | 3795.76                                |
| MW-36 | 06/11/08      | 3858.80                     | -                   | 63.82             | 0.00             | 3794.98                                |
| MW-36 | 09/09/08      | 3858.80                     | -                   | 63.22             | 0.00             | 3795.58                                |
| MW-36 | 12/11/08      | 3858.80                     | -                   | 63.24             | 0.00             | 3795.56                                |
| MW-36 | 02/27/09      | 3858.80                     | -                   | 63.32             | 0.00             | 3795.48                                |
| MW-36 | 05/22/09      | 3858.80                     | -                   | 63.37             | 0.00             | 3795.43                                |
| MW-36 | 08/18/09      | 3858.80                     | -                   | 63.42             | 0.00             | 3795.38                                |
| MW-36 | 12/10/09      | 3858.80                     | -                   | 63.45             | 0.00             | 3795.35                                |
| MW-36 | 01/06/10      | 3858.80                     | -                   | 63.46             | 0.00             | 3795.34                                |
| MW-36 | 02/22/10      | 3858.80                     | -                   | 63.48             | 0.00             | 3795.32                                |
| MW-36 | 05/06/10      | 3858.80                     | -                   | 63.46             | 0.00             | 3795.34                                |
| MW-36 | 05/13/10      | 3858.80                     | -                   | 63.45             | 0.00             | 3795.35                                |
| MW-36 | 05/19/10      | 3858.80                     | -                   | 63.42             | 0.00             | 3795.38                                |
| MW-36 | 06/04/10      | 3858.80                     | -                   | 63.53             | 0.00             | 3795.27                                |
| MW-36 | 08/26/10      | 3858.80                     | -                   | 63.52             | 0.00             | 3795.28                                |
| MW-36 | 11/30/10      | 3858.80                     | -                   | 63.47             | 0.00             | 3795.33                                |
| MW-36 | 03/08/11      | 3858.80                     | -                   | 63.47             | 0.00             | 3795.33                                |
| MW-36 | 05/25/11      | 3858.80                     | -                   | 63.43             | 0.00             | 3795.37                                |
| MW-36 | 08/19/11      | 3858.80                     | -                   | 63.80             | 0.00             | 3795.00                                |
| MW-36 | 11/15/11      | 3858.80                     | -                   | 63.15             | 0.00             | 3795.65                                |
| MW-36 | 02/29/12      | 3858.80                     | -                   | 63.99             | 0.00             | 3794.81                                |
| MW-36 | 05/01/12      | 3858.80                     | -                   | 64.08             | 0.00             | 3794.72                                |
| MW-36 | 08/10/12      | 3858.80                     | -                   | 64.43             | 0.00             | 3794.37                                |
| MW-36 | 11/28/12      | 3858.80                     | -                   | 64.36             | 0.00             | 3794.44                                |
| MW-36 | 02/21/13      | 3858.80                     | -                   | 64.41             | 0.00             | 3794.39                                |
| MW-36 | 05/15/13      | 3858.80                     | -                   | 64.47             | 0.00             | 3794.33                                |
| MW-36 | 08/21/13      | 3858.80                     | -                   | 64.52             | 0.00             | 3794.28                                |
| MW-36 | 11/11/13      | 3858.80                     | -                   | 64.57             | 0.00             | 3794.23                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-36 | 02/19/14      | 3858.80                     | -                   | 64.65             | 0.00             | 3794.15                                |
| MW-36 | 05/20/14      | 3858.80                     | -                   | 64.74             | 0.00             | 3794.06                                |
| MW-36 | 07/29/14      | 3858.80                     | -                   | 64.78             | 0.00             | 3794.02                                |
| MW-36 | 08/19/14      | 3858.80                     | -                   | 64.77             | 0.00             | 3794.03                                |
| MW-36 | 10/30/14      | 3858.80                     | -                   | 64.82             | 0.00             | 3793.98                                |
| MW-36 | 11/24/14      | 3858.80                     | -                   | 64.80             | 0.00             | 3794.00                                |
| MW-36 | 02/10/15      | 3858.80                     | -                   | 64.82             | 0.00             | 3793.98                                |
| MW-36 | 03/11/15      | 3858.80                     | -                   | 64.86             | 0.00             | 3793.94                                |
| MW-36 | 04/17/15      | 3858.80                     | -                   | 62.18             | 0.00             | 3796.62                                |
| MW-36 | 05/19/15      | 3858.80                     | -                   | 64.88             | 0.00             | 3793.92                                |
| MW-36 | 07/31/15      | 3858.80                     | -                   | 58.96             | 0.00             | 3799.84                                |
| MW-36 | 08/12/15      | 3858.80                     | -                   | 64.96             | 0.00             | 3793.84                                |
| MW-36 | 09/11/15      | 3858.80                     | -                   | 65.01             | 0.00             | 3793.79                                |
| MW-36 | 11/10/15      | 3858.80                     | -                   | 65.02             | 0.00             | 3793.78                                |
| MW-36 | 02/02/16      | 3858.80                     | -                   | 65.12             | 0.00             | 3793.68                                |
| MW-36 | 04/28/16      | 3858.80                     | -                   | 65.16             | 0.00             | 3793.64                                |
| MW-36 | 05/10/16      | 3858.80                     | -                   | 65.16             | 0.00             | 3793.64                                |
| MW-36 | 07/01/16      | 3858.80                     | -                   | 65.22             | 0.00             | 3793.58                                |
| MW-36 | 07/29/16      | 3858.80                     | -                   | 65.26             | 0.00             | 3793.54                                |
| MW-36 | 08/08/16      | 3858.80                     | -                   | 65.24             | 0.00             | 3793.56                                |
| MW-36 | 09/15/16      | 3858.80                     | -                   | 65.29             | 0.00             | 3793.51                                |
| MW-36 | 11/15/16      | 3858.80                     | -                   | 65.38             | 0.00             | 3793.42                                |
| MW-36 | 12/14/16      | 3858.80                     | -                   | 65.42             | 0.00             | 3793.38                                |
| MW-36 | 01/20/17      | 3858.80                     | -                   | 65.46             | 0.00             | 3793.34                                |
| MW-36 | 02/22/17      | 3858.80                     | -                   | 65.55             | 0.00             | 3793.25                                |
| MW-36 | 05/17/17      | 3858.80                     | -                   | 65.70             | 0.00             | 3793.10                                |
| MW-36 | 06/09/17      | 3858.80                     | -                   | 65.80             | 0.00             | 3793.00                                |
| MW-36 | 07/26/17      | 3858.80                     | -                   | 64.75             | 0.00             | 3794.05                                |
| MW-36 | 08/23/17      | 3858.80                     | -                   | 65.93             | 0.00             | 3792.87                                |
| MW-36 | 10/10/17      | 3858.80                     | -                   | 66.07             | 0.00             | 3792.73                                |
| MW-36 | 11/28/17      | 3858.80                     | -                   | 66.13             | 0.00             | 3792.67                                |
| MW-36 | 01/08/18      | 3858.80                     | -                   | 66.21             | 0.00             | 3792.59                                |
| MW-36 | 02/13/18      | 3858.80                     | -                   | 66.29             | 0.00             | 3792.51                                |
| MW-36 | 04/30/18      | 3858.80                     | -                   | 66.41             | 0.00             | 3792.39                                |
| MW-36 | 05/17/18      | 3858.80                     | -                   | 66.42             | 0.00             | 3792.38                                |
| MW-36 | 07/05/18      | 3858.80                     | -                   | 66.51             | 0.00             | 3792.29                                |
| MW-36 | 07/26/18      | 3858.80                     | -                   | 66.53             | 0.00             | 3792.27                                |
| MW-36 | 08/16/18      | 3858.80                     | -                   | 66.58             | 0.00             | 3792.22                                |
| MW-36 | 11/28/18      | 3858.80                     | -                   | 66.74             | 0.00             | 3792.06                                |
| MW-36 | 12/27/18      | 3858.80                     | -                   | 66.78             | 0.00             | 3792.02                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-36 | 01/17/19      | 3858.80                     | -                   | 66.83             | 0.00             | 3791.97                                |
| MW-36 | 02/21/19      | 3858.80                     | -                   | 66.88             | 0.00             | 3791.92                                |
| MW-36 | 04/04/19      | 3858.80                     | -                   | 66.95             | 0.00             | 3791.85                                |
| MW-36 | 05/30/19      | 3858.80                     | -                   | 67.04             | 0.00             | 3791.76                                |
| MW-36 | 08/27/19      | 3858.80                     | -                   | 67.20             | 0.00             | 3791.60                                |
| MW-36 | 10/30/19      | 3858.80                     | -                   | 67.33             | 0.00             | 3791.47                                |
| MW-36 | 03/17/20      | 3858.80                     | -                   | 67.63             | 0.00             | 3791.17                                |
| MW-36 | 05/13/20      | 3858.80                     | -                   | 67.70             | 0.00             | 3791.10                                |
| MW-36 | 06/09/20      | 3858.80                     | -                   | 67.73             | 0.00             | 3791.07                                |
| MW-36 | 07/16/20      | 3858.80                     | -                   | 67.77             | 0.00             | 3791.03                                |
| MW-36 | 08/25/20      | 3858.80                     | -                   | 67.80             | 0.00             | 3791.00                                |
| MW-36 | 12/16/20      | 3858.80                     | -                   | 67.94             | 0.00             | 3790.86                                |
| MW-36 | 01/28/21      | 3858.80                     | -                   | 68.02             | 0.00             | 3790.78                                |
| MW-36 | 03/22/21      | 3858.80                     | -                   | 68.12             | 0.00             | 3790.68                                |
| MW-36 | 06/22/21      | 3858.80                     | -                   | 68.30             | 0.00             | 3790.50                                |
| MW-36 | 07/22/21      | 3858.80                     | -                   | 68.34             | 0.00             | 3790.46                                |
| MW-36 | 09/09/21      | 3858.80                     | -                   | 68.44             | 0.00             | 3790.36                                |
| MW-36 | 10/26/21      | 3858.80                     | -                   | 68.50             | 0.00             | 3790.30                                |
| MW-36 | 10/14/21      | 3858.80                     | -                   | 68.58             | 0.00             | 3790.22                                |
| MW-36 | 12/14/21      | 3858.80                     | -                   | 68.58             | 0.00             | 3790.22                                |
| MW-36 | 02/09/22      | 3858.80                     | -                   | 68.62             | 0.00             | 3790.18                                |
| MW-36 | 05/02/22      | 3858.80                     | -                   | 68.75             | 0.00             | 3790.05                                |
| MW-36 | 08/02/22      | 3858.80                     | -                   | 68.89             | 0.00             | 3789.91                                |
| MW-36 | 10/26/22      | 3858.80                     | -                   | 69.04             | 0.00             | 3789.76                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-37 | 12/06/06      | 3857.69                     | -                   | 61.51             | 0.00             | 3796.18                                |
| MW-37 | 03/01/07      | 3857.69                     | -                   | 61.60             | 0.00             | 3796.09                                |
| MW-37 | 05/24/07      | 3857.69                     | -                   | 61.54             | 0.00             | 3796.15                                |
| MW-37 | 08/23/07      | 3857.69                     | -                   | 61.76             | 0.00             | 3795.93                                |
| MW-37 | 11/08/07      | 3857.69                     | -                   | 61.83             | 0.00             | 3795.86                                |
| MW-37 | 03/04/08      | 3857.69                     | -                   | 61.93             | 0.00             | 3795.76                                |
| MW-37 | 06/11/08      | 3857.69                     | -                   | 61.98             | 0.00             | 3795.71                                |
| MW-37 | 09/09/08      | 3857.69                     | -                   | 62.07             | 0.00             | 3795.62                                |
| MW-37 | 12/11/08      | 3857.69                     | -                   | 62.13             | 0.00             | 3795.56                                |
| MW-37 | 02/26/09      | 3857.69                     | -                   | 62.20             | 0.00             | 3795.49                                |
| MW-37 | 05/21/09      | 3857.69                     | -                   | 62.18             | 0.00             | 3795.51                                |
| MW-37 | 08/18/09      | 3857.69                     | -                   | 62.33             | 0.00             | 3795.36                                |
| MW-37 | 12/09/09      | 3857.69                     | -                   | 62.38             | 0.00             | 3795.31                                |
| MW-37 | 01/06/10      | 3857.69                     | -                   | 62.40             | 0.00             | 3795.29                                |
| MW-37 | 02/22/10      | 3857.69                     | -                   | 62.41             | 0.00             | 3795.28                                |



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-37 | 06/04/10      | 3857.69                     | -                   | 62.44             | 0.00             | 3795.25                                |
| MW-37 | 08/26/10      | 3857.69                     | -                   | 62.43             | 0.00             | 3795.26                                |
| MW-37 | 11/30/10      | 3857.69                     | -                   | 62.40             | 0.00             | 3795.29                                |
| MW-37 | 03/08/11      | 3857.69                     | -                   | 62.40             | 0.00             | 3795.29                                |
| MW-37 | 05/25/11      | 3857.69                     | -                   | 62.41             | 0.00             | 3795.28                                |
| MW-37 | 08/18/11      | 3857.69                     | -                   | 62.78             | 0.00             | 3794.91                                |
| MW-37 | 11/15/11      | 3857.69                     | -                   | 62.72             | 0.00             | 3794.97                                |
| MW-37 | 02/29/12      | 3857.69                     | -                   | 62.94             | 0.00             | 3794.75                                |
| MW-37 | 05/01/12      | 3857.69                     | -                   | 63.03             | 0.00             | 3794.66                                |
| MW-37 | 08/10/12      | 3857.69                     | -                   | 63.38             | 0.00             | 3794.31                                |
| MW-37 | 11/29/12      | 3857.69                     | -                   | 63.31             | 0.00             | 3794.38                                |
| MW-37 | 02/21/13      | 3857.69                     | -                   | 63.38             | 0.00             | 3794.31                                |
| MW-37 | 05/15/13      | 3857.69                     | -                   | 63.42             | 0.00             | 3794.27                                |
| MW-37 | 08/21/13      | 3857.69                     | -                   | 63.48             | 0.00             | 3794.21                                |
| MW-37 | 11/11/13      | 3857.69                     | -                   | 63.55             | 0.00             | 3794.14                                |
| MW-37 | 02/19/14      | 3857.69                     | -                   | 63.63             | 0.00             | 3794.06                                |
| MW-37 | 05/20/14      | 3857.69                     | -                   | 63.73             | 0.00             | 3793.96                                |
| MW-37 | 07/29/14      | 3857.69                     | -                   | 63.75             | 0.00             | 3793.94                                |
| MW-37 | 08/19/14      | 3857.69                     | -                   | 63.71             | 0.00             | 3793.98                                |
| MW-37 | 10/30/14      | 3857.69                     | -                   | 63.80             | 0.00             | 3793.89                                |
| MW-37 | 11/24/14      | 3857.69                     | -                   | 63.78             | 0.00             | 3793.91                                |
| MW-37 | 02/10/15      | 3857.69                     | -                   | 63.80             | 0.00             | 3793.89                                |
| MW-37 | 03/11/15      | 3857.69                     | -                   | 63.81             | 0.00             | 3793.88                                |
| MW-37 | 04/17/15      | 3857.69                     | -                   | 62.31             | 0.00             | 3795.38                                |
| MW-37 | 05/19/15      | 3857.69                     | -                   | 63.86             | 0.00             | 3793.83                                |
| MW-37 | 07/31/15      | 3857.69                     | -                   | 63.90             | 0.00             | 3793.79                                |
| MW-37 | 08/12/15      | 3857.69                     | -                   | 63.93             | 0.00             | 3793.76                                |
| MW-37 | 09/11/15      | 3857.69                     | -                   | 63.95             | 0.00             | 3793.74                                |
| MW-37 | 11/10/15      | 3857.69                     | -                   | 64.00             | 0.00             | 3793.69                                |
| MW-37 | 02/02/16      | 3857.69                     | -                   | 64.07             | 0.00             | 3793.62                                |
| MW-37 | 04/28/16      | 3857.69                     | -                   | 64.14             | 0.00             | 3793.55                                |
| MW-37 | 05/10/16      | 3857.69                     | -                   | 64.95             | 0.00             | 3792.74                                |
| MW-37 | 07/01/16      | 3857.69                     | -                   | 64.19             | 0.00             | 3793.50                                |
| MW-37 | 07/29/16      | 3857.69                     | -                   | 64.22             | 0.00             | 3793.47                                |
| MW-37 | 08/09/16      | 3857.69                     | -                   | 64.20             | 0.00             | 3793.49                                |
| MW-37 | 09/15/16      | 3857.69                     | -                   | 64.25             | 0.00             | 3793.44                                |
| MW-37 | 11/15/16      | 3857.69                     | -                   | 64.34             | 0.00             | 3793.35                                |
| MW-37 | 12/14/16      | 3857.69                     | -                   | 64.37             | 0.00             | 3793.32                                |
| MW-37 | 01/20/17      | 3857.69                     | -                   | 64.41             | 0.00             | 3793.28                                |
| MW-37 | 02/22/17      | 3857.69                     | -                   | 64.47             | 0.00             | 3793.22                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-37 | 05/17/17      | 3857.69                     | -                   | 64.69             | 0.00             | 3793.00                                |
| MW-37 | 06/09/17      | 3857.69                     | -                   | 64.78             | 0.00             | 3792.91                                |
| MW-37 | 07/26/17      | 3857.69                     | -                   | 64.75             | 0.00             | 3792.94                                |
| MW-37 | 08/23/17      | 3857.69                     | -                   | 64.96             | 0.00             | 3792.73                                |
| MW-37 | 10/10/17      | 3857.69                     | -                   | 65.12             | 0.00             | 3792.57                                |
| MW-37 | 11/29/17      | 3857.69                     | -                   | 65.18             | 0.00             | 3792.51                                |
| MW-37 | 01/08/18      | 3857.69                     | -                   | 65.26             | 0.00             | 3792.43                                |
| MW-37 | 02/13/18      | 3857.69                     | -                   | 65.35             | 0.00             | 3792.34                                |
| MW-37 | 04/30/18      | 3857.69                     | -                   | 65.46             | 0.00             | 3792.23                                |
| MW-37 | 05/17/18      | 3857.69                     | -                   | 65.48             | 0.00             | 3792.21                                |
| MW-37 | 07/05/18      | 3857.69                     | -                   | 65.57             | 0.00             | 3792.12                                |
| MW-37 | 07/26/18      | 3857.69                     | -                   | 65.62             | 0.00             | 3792.07                                |
| MW-37 | 08/16/18      | 3857.69                     | -                   | 65.65             | 0.00             | 3792.04                                |
| MW-37 | 11/28/18      | 3857.69                     | -                   | 65.83             | 0.00             | 3791.86                                |
| MW-37 | 12/27/18      | 3857.69                     | -                   | 65.90             | 0.00             | 3791.79                                |
| MW-37 | 01/17/19      | 3857.69                     | -                   | 65.93             | 0.00             | 3791.76                                |
| MW-37 | 02/21/19      | 3857.69                     | -                   | 65.99             | 0.00             | 3791.70                                |
| MW-37 | 04/04/19      | 3857.69                     | -                   | 66.07             | 0.00             | 3791.62                                |
| MW-37 | 05/30/19      | 3857.69                     | -                   | 66.16             | 0.00             | 3791.53                                |
| MW-37 | 08/27/19      | 3857.69                     | -                   | 66.33             | 0.00             | 3791.36                                |
| MW-37 | 10/30/19      | 3857.69                     | -                   | 66.48             | 0.00             | 3791.21                                |
| MW-37 | 03/18/20      | 3857.69                     | -                   | 66.69             | 0.00             | 3791.00                                |
| MW-37 | 05/13/20      | 3857.69                     | -                   | 66.78             | 0.00             | 3790.91                                |
| MW-37 | 06/09/20      | 3857.69                     | -                   | 66.78             | 0.00             | 3790.91                                |
| MW-37 | 07/16/20      | 3857.69                     | -                   | 66.82             | 0.00             | 3790.87                                |
| MW-37 | 08/25/20      | 3857.69                     | -                   | 66.85             | 0.00             | 3790.84                                |
| MW-37 | 12/16/20      | 3857.69                     | -                   | 67.01             | 0.00             | 3790.68                                |
| MW-37 | 01/28/21      | 3857.69                     | -                   | 67.09             | 0.00             | 3790.60                                |
| MW-37 | 03/22/21      | 3857.69                     | -                   | 67.20             | 0.00             | 3790.49                                |
| MW-37 | 06/22/21      | 3857.69                     | -                   | 67.39             | 0.00             | 3790.30                                |
| MW-37 | 07/22/21      | 3857.69                     | -                   | 67.45             | 0.00             | 3790.24                                |
| MW-37 | 09/09/21      | 3857.69                     | -                   | 67.52             | 0.00             | 3790.17                                |
| MW-37 | 10/26/21      | 3857.69                     | -                   | 67.59             | 0.00             | 3790.10                                |
| MW-37 | 12/14/21      | 3857.69                     | -                   | 67.70             | 0.00             | 3789.99                                |
| MW-37 | 02/09/22      | 3857.69                     | -                   | 67.74             | 0.00             | 3789.95                                |
| MW-37 | 05/02/22      | 3857.69                     | -                   | 67.86             | 0.00             | 3789.83                                |
| MW-37 | 08/02/22      | 3857.69                     | -                   | 68.00             | 0.00             | 3789.69                                |
| MW-37 | 10/26/22      | 3857.69                     | -                   | 68.13             | 0.00             | 3789.56                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-38 | 12/06/06      | 3855.95                     | -                   | 60.42             | 0.00             | 3795.53                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-38 | 03/01/07      | 3855.95                     | -                   | 60.47             | 0.00             | 3795.48                                |
| MW-38 | 05/24/07      | 3855.95                     | -                   | 60.54             | 0.00             | 3795.41                                |
| MW-38 | 08/23/07      | 3855.95                     | -                   | 60.61             | 0.00             | 3795.34                                |
| MW-38 | 11/08/07      | 3855.95                     | -                   | 60.66             | 0.00             | 3795.29                                |
| MW-38 | 03/04/08      | 3855.95                     | -                   | 60.77             | 0.00             | 3795.18                                |
| MW-38 | 06/11/08      | 3855.95                     | -                   | 60.82             | 0.00             | 3795.13                                |
| MW-38 | 09/09/08      | 3855.95                     | -                   | 60.93             | 0.00             | 3795.02                                |
| MW-38 | 12/11/08      | 3855.95                     | -                   | 60.99             | 0.00             | 3794.96                                |
| MW-38 | 02/26/09      | 3855.95                     | -                   | 61.02             | 0.00             | 3794.93                                |
| MW-38 | 05/21/09      | 3855.95                     | -                   | 63.28             | 0.00             | 3792.67                                |
| MW-38 | 08/18/09      | 3855.95                     | -                   | 61.15             | 0.00             | 3794.80                                |
| MW-38 | 12/09/09      | 3855.95                     | -                   | 61.18             | 0.00             | 3794.77                                |
| MW-38 | 01/06/10      | 3855.95                     | -                   | 61.17             | 0.00             | 3794.78                                |
| MW-38 | 02/22/10      | 3855.95                     | -                   | 61.22             | 0.00             | 3794.73                                |
| MW-38 | 06/04/10      | 3855.95                     | -                   | 61.26             | 0.00             | 3794.69                                |
| MW-38 | 08/26/10      | 3855.95                     | -                   | 61.27             | 0.00             | 3794.68                                |
| MW-38 | 11/30/10      | 3855.95                     | -                   | 61.19             | 0.00             | 3794.76                                |
| MW-38 | 03/08/11      | 3855.95                     | -                   | 61.17             | 0.00             | 3794.78                                |
| MW-38 | 05/25/11      | 3855.95                     | -                   | 61.19             | 0.00             | 3794.76                                |
| MW-38 | 08/18/11      | 3855.95                     | -                   | 61.56             | 0.00             | 3794.39                                |
| MW-38 | 11/15/11      | 3855.95                     | -                   | 61.52             | 0.00             | 3794.43                                |
| MW-38 | 02/29/12      | 3855.95                     | -                   | 61.75             | 0.00             | 3794.20                                |
| MW-38 | 05/01/12      | 3855.95                     | -                   | 61.83             | 0.00             | 3794.12                                |
| MW-38 | 08/10/12      | 3855.95                     | -                   | 62.18             | 0.00             | 3793.77                                |
| MW-38 | 11/28/12      | 3855.95                     | -                   | 62.12             | 0.00             | 3793.83                                |
| MW-38 | 02/21/13      | 3855.95                     | -                   | 67.17             | 0.00             | 3788.78                                |
| MW-38 | 05/15/13      | 3855.95                     | -                   | 62.25             | 0.00             | 3793.70                                |
| MW-38 | 08/21/13      | 3855.95                     | -                   | 62.29             | 0.00             | 3793.66                                |
| MW-38 | 11/11/13      | 3855.95                     | -                   | 62.34             | 0.00             | 3793.61                                |
| MW-38 | 02/19/14      | 3855.95                     | -                   | 62.41             | 0.00             | 3793.54                                |
| MW-38 | 05/20/14      | 3855.95                     | -                   | 62.50             | 0.00             | 3793.45                                |
| MW-38 | 07/29/14      | 3855.95                     | -                   | 62.55             | 0.00             | 3793.40                                |
| MW-38 | 08/19/14      | 3855.95                     | -                   | 62.54             | 0.00             | 3793.41                                |
| MW-38 | 10/30/14      | 3855.95                     | -                   | 62.56             | 0.00             | 3793.39                                |
| MW-38 | 11/24/14      | 3855.95                     | -                   | 62.54             | 0.00             | 3793.41                                |
| MW-38 | 02/11/15      | 3855.95                     | -                   | 62.57             | 0.00             | 3793.38                                |
| MW-38 | 03/11/15      | 3855.95                     | -                   | 62.59             | 0.00             | 3793.36                                |
| MW-38 | 04/17/15      | 3855.95                     | -                   | 62.36             | 0.00             | 3793.59                                |
| MW-38 | 05/19/15      | 3855.95                     | -                   | 62.64             | 0.00             | 3793.31                                |
| MW-38 | 07/31/15      | 3855.95                     | -                   | 62.67             | 0.00             | 3793.28                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-38 | 08/12/15      | 3855.95                     | -                   | 62.70             | 0.00             | 3793.25                                |
| MW-38 | 09/11/15      | 3855.95                     | -                   | 62.72             | 0.00             | 3793.23                                |
| MW-38 | 11/10/15      | 3855.95                     | -                   | 62.76             | 0.00             | 3793.19                                |
| MW-38 | 02/02/16      | 3855.95                     | -                   | 62.84             | 0.00             | 3793.11                                |
| MW-38 | 04/28/16      | 3855.95                     | -                   | 62.89             | 0.00             | 3793.06                                |
| MW-38 | 05/10/16      | 3855.95                     | -                   | 62.92             | 0.00             | 3793.03                                |
| MW-38 | 07/01/16      | 3855.95                     | -                   | 62.97             | 0.00             | 3792.98                                |
| MW-38 | 07/29/16      | 3855.95                     | -                   | 63.00             | 0.00             | 3792.95                                |
| MW-38 | 08/09/16      | 3855.95                     | -                   | 62.98             | 0.00             | 3792.97                                |
| MW-38 | 09/15/16      | 3855.95                     | -                   | 63.03             | 0.00             | 3792.92                                |
| MW-38 | 11/15/16      | 3855.95                     | -                   | 63.11             | 0.00             | 3792.84                                |
| MW-38 | 12/14/16      | 3855.95                     | -                   | 63.16             | 0.00             | 3792.79                                |
| MW-38 | 01/20/17      | 3855.95                     | -                   | 63.19             | 0.00             | 3792.76                                |
| MW-38 | 02/22/17      | 3855.95                     | -                   | 63.25             | 0.00             | 3792.70                                |
| MW-38 | 05/17/17      | 3855.95                     | -                   | 63.46             | 0.00             | 3792.49                                |
| MW-38 | 06/09/17      | 3855.95                     | -                   | 63.51             | 0.00             | 3792.44                                |
| MW-38 | 07/26/17      | 3855.95                     | -                   | 63.52             | 0.00             | 3792.43                                |
| MW-38 | 08/23/17      | 3855.95                     | -                   | 63.72             | 0.00             | 3792.23                                |
| MW-38 | 10/10/17      | 3855.95                     | -                   | 63.38             | 0.00             | 3792.57                                |
| MW-38 | 11/29/17      | 3855.95                     | -                   | 63.94             | 0.00             | 3792.01                                |
| MW-38 | 01/08/18      | 3855.95                     | -                   | 64.02             | 0.00             | 3791.93                                |
| MW-38 | 02/13/18      | 3855.95                     | -                   | 64.10             | 0.00             | 3791.85                                |
| MW-38 | 04/30/18      | 3855.95                     | -                   | 64.22             | 0.00             | 3791.73                                |
| MW-38 | 05/17/18      | 3855.95                     | -                   | 64.22             | 0.00             | 3791.73                                |
| MW-38 | 07/05/18      | 3855.95                     | -                   | 64.31             | 0.00             | 3791.64                                |
| MW-38 | 07/26/18      | 3855.95                     | -                   | 64.34             | 0.00             | 3791.61                                |
| MW-38 | 08/16/18      | 3855.95                     | -                   | 64.39             | 0.00             | 3791.56                                |
| MW-38 | 11/28/18      | 3855.95                     | -                   | 64.56             | 0.00             | 3791.39                                |
| MW-38 | 12/27/18      | 3855.95                     | -                   | 64.61             | 0.00             | 3791.34                                |
| MW-38 | 01/17/19      | 3855.95                     | -                   | 64.68             | 0.00             | 3791.27                                |
| MW-38 | 02/21/19      | 3855.95                     | -                   | 64.72             | 0.00             | 3791.23                                |
| MW-38 | 04/04/19      | 3855.95                     | -                   | 64.69             | 0.00             | 3791.26                                |
| MW-38 | 05/30/19      | 3855.95                     | -                   | 64.88             | 0.00             | 3791.07                                |
| MW-38 | 08/27/19      | 3855.95                     | -                   | 65.06             | 0.00             | 3790.89                                |
| MW-38 | 10/30/19      | 3855.95                     | -                   | 65.22             | 0.00             | 3790.73                                |
| MW-38 | 01/17/19      | 3855.95                     | -                   | 64.68             | 0.00             | 3791.27                                |
| MW-38 | 02/21/19      | 3855.95                     | -                   | 64.72             | 0.00             | 3791.23                                |
| MW-38 | 04/04/19      | 3855.95                     | -                   | 64.69             | 0.00             | 3791.26                                |
| MW-38 | 05/30/19      | 3855.95                     | -                   | 64.88             | 0.00             | 3791.07                                |
| MW-38 | 08/27/19      | 3855.95                     | -                   | 65.06             | 0.00             | 3790.89                                |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-38 | 10/30/19      | 3855.95                     | -                   | 65.22             | 0.00             | 3790.73                                |
| MW-38 | 03/18/20      | 3855.95                     | -                   | 65.46             | 0.00             | 3790.49                                |
| MW-38 | 05/13/20      | 3855.95                     | -                   | 65.51             | 0.00             | 3790.44                                |
| MW-38 | 06/09/20      | 3855.95                     | -                   | 65.55             | 0.00             | 3790.40                                |
| MW-38 | 07/16/20      | 3855.95                     | -                   | 65.59             | 0.00             | 3790.36                                |
| MW-38 | 08/25/20      | 3855.95                     | -                   | 65.62             | 0.00             | 3790.33                                |
| MW-38 | 12/16/20      | 3855.95                     | -                   | 65.77             | 0.00             | 3790.18                                |
| MW-38 | 01/28/21      | 3855.95                     | -                   | 65.85             | 0.00             | 3790.10                                |
| MW-38 | 03/22/21      | 3855.95                     | -                   | 65.95             | 0.00             | 3790.00                                |
| MW-38 | 06/22/21      | 3855.95                     | -                   | 66.13             | 0.00             | 3789.82                                |
| MW-38 | 07/22/21      | 3855.95                     | -                   | 66.20             | 0.00             | 3789.75                                |
| MW-38 | 09/09/21      | 3855.95                     | -                   | 66.26             | 0.00             | 3789.69                                |
| MW-38 | 10/26/21      | 3855.95                     | -                   | 66.33             | 0.00             | 3789.62                                |
| MW-38 | 12/14/21      | 3855.95                     | -                   | 66.44             | 0.00             | 3789.51                                |
| MW-38 | 02/09/22      | 3855.95                     | -                   | 66.48             | 0.00             | 3789.47                                |
| MW-38 | 05/02/22      | 3855.95                     | -                   | 66.61             | 0.00             | 3789.34                                |
| MW-38 | 08/02/22      | 3855.95                     | -                   | 66.74             | 0.00             | 3789.21                                |
| MW-38 | 10/26/22      | 3855.95                     | -                   | 66.88             | 0.00             | 3789.07                                |
|       |               |                             |                     |                   |                  |                                        |
| MW-39 | 12/03/07      | -                           | -                   | 61.42             | 0.00             | -                                      |
| MW-39 | 03/04/08      | -                           | -                   | 61.51             | 0.00             | -                                      |
| MW-39 | 06/11/08      | -                           | -                   | 61.59             | 0.00             | -                                      |
| MW-39 | 09/09/08      | -                           | -                   | 61.70             | 0.00             | -                                      |
| MW-39 | 12/11/08      | -                           | -                   | 61.81             | 0.00             | -                                      |
| MW-39 | 02/26/09      | -                           | -                   | 61.89             | 0.00             | -                                      |
| MW-39 | 05/21/09      | -                           | -                   | 61.95             | 0.00             | -                                      |
| MW-39 | 08/18/09      | -                           | -                   | 61.95             | 0.00             | -                                      |
| MW-39 | 12/09/09      | -                           | -                   | 62.02             | 0.00             | -                                      |
| MW-39 | 01/06/10      | -                           | -                   | 62.05             | 0.00             | -                                      |
| MW-39 | 02/22/10      | -                           | -                   | 62.08             | 0.00             | -                                      |
| MW-39 | 06/04/10      | -                           | -                   | 62.16             | 0.00             | -                                      |
| MW-39 | 08/26/10      | -                           | -                   | 62.19             | 0.00             | -                                      |
| MW-39 | 11/30/10      | -                           | -                   | 62.03             | 0.00             | -                                      |
| MW-39 | 03/08/11      | -                           | -                   | 62.04             | 0.00             | -                                      |
| MW-39 | 05/25/11      | -                           | -                   | 62.03             | 0.00             | -                                      |
| MW-39 | 08/18/11      | -                           | -                   | 62.40             | 0.00             | -                                      |
| MW-39 | 11/15/11      | -                           | -                   | 62.40             | 0.00             | -                                      |
| MW-39 | 02/29/12      | -                           | -                   | 62.56             | 0.00             | -                                      |
| MW-39 | 05/01/12      | -                           | -                   | 62.65             | 0.00             | -                                      |
| MW-39 | 08/10/12      | -                           | -                   | 62.99             | 0.00             | -                                      |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-39 | 11/27/12      | -                           | -                   | 62.89             | 0.00             | -                                      |
| MW-39 | 02/21/13      | -                           | -                   | 62.98             | 0.00             | -                                      |
| MW-39 | 05/15/13      | -                           | -                   | 63.05             | 0.00             | -                                      |
| MW-39 | 08/21/13      | -                           | -                   | 63.14             | 0.00             | -                                      |
| MW-39 | 11/11/13      | -                           | -                   | 63.19             | 0.00             | -                                      |
| MW-39 | 02/19/14      | -                           | -                   | 63.28             | 0.00             | -                                      |
| MW-39 | 05/20/14      | -                           | -                   | 63.39             | 0.00             | -                                      |
| MW-39 | 07/29/14      | -                           | -                   | 63.45             | 0.00             | -                                      |
| MW-39 | 08/19/14      | -                           | -                   | 63.43             | 0.00             | -                                      |
| MW-39 | 10/30/14      | -                           | -                   | 63.48             | 0.00             | -                                      |
| MW-39 | 11/24/14      | -                           | -                   | 63.49             | 0.00             | -                                      |
| MW-39 | 02/11/15      | -                           | -                   | 63.53             | 0.00             | -                                      |
| MW-39 | 03/11/15      | -                           | -                   | 63.57             | 0.00             | -                                      |
| MW-39 | 04/17/15      | -                           | -                   | 60.04             | 0.00             | -                                      |
| MW-39 | 05/19/15      | -                           | -                   | 63.63             | 0.00             | -                                      |
| MW-39 | 07/31/15      | -                           | -                   | 63.70             | 0.00             | -                                      |
| MW-39 | 08/12/15      | -                           | -                   | 63.69             | 0.00             | -                                      |
| MW-39 | 09/11/15      | -                           | -                   | 63.76             | 0.00             | -                                      |
| MW-39 | 11/10/15      | -                           | -                   | 63.79             | 0.00             | -                                      |
| MW-39 | 02/02/16      | -                           | -                   | 63.87             | 0.00             | -                                      |
| MW-39 | 04/28/16      | -                           | -                   | 63.92             | 0.00             | -                                      |
| MW-39 | 05/10/16      | -                           | -                   | 63.94             | 0.00             | -                                      |
| MW-39 | 07/01/16      | -                           | -                   | 63.99             | 0.00             | -                                      |
| MW-39 | 07/29/16      | -                           | -                   | 64.04             | 0.00             | -                                      |
| MW-39 | 08/09/16      | -                           | -                   | 64.03             | 0.00             | -                                      |
| MW-39 | 11/15/16      | -                           | -                   | 64.16             | 0.00             | -                                      |
| MW-39 | 12/14/16      | -                           | -                   | 64.23             | 0.00             | -                                      |
| MW-39 | 01/20/17      | -                           | -                   | 64.27             | 0.00             | -                                      |
| MW-39 | 02/22/17      | -                           | -                   | 64.27             | 0.00             | -                                      |
| MW-39 | 05/17/17      | -                           | -                   | 64.44             | 0.00             | -                                      |
| MW-39 | 06/09/17      | -                           | -                   | 65.74             | 0.00             | -                                      |
| MW-39 | 07/26/17      | -                           | -                   | 65.70             | 0.00             | -                                      |
| MW-39 | 08/23/17      | -                           | -                   | 64.60             | 0.00             | -                                      |
| MW-39 | 10/10/17      | -                           | -                   | 64.72             | 0.00             | -                                      |
| MW-39 | 11/29/17      | -                           | -                   | 64.78             | 0.00             | -                                      |
| MW-39 | 01/08/18      | -                           | -                   | 64.86             | 0.00             | -                                      |
| MW-39 | 02/13/18      | -                           | -                   | 64.88             | 0.00             | -                                      |
| MW-39 | 04/30/18      | -                           | -                   | 65.02             | 0.00             | -                                      |
| MW-39 | 05/17/18      | -                           | -                   | 65.63             | 0.00             | -                                      |
| MW-39 | 07/05/18      | -                           | -                   | 65.13             | 0.00             | -                                      |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-39 | 07/26/18      | -                           | -                   | 65.61             | 0.00             | -                                      |
| MW-39 | 08/16/18      | -                           | -                   | 65.17             | 0.00             | -                                      |
| MW-39 | 11/28/18      | -                           | -                   | 65.31             | 0.00             | -                                      |
| MW-39 | 12/27/18      | -                           | -                   | 65.36             | 0.00             | -                                      |
| MW-39 | 01/17/19      | -                           | -                   | 65.40             | 0.00             | -                                      |
| MW-39 | 02/21/19      | -                           | -                   | 65.44             | 0.00             | -                                      |
| MW-39 | 04/04/19      | -                           | -                   | 65.51             | 0.00             | -                                      |
| MW-39 | 05/30/19      | -                           | -                   | 65.57             | 0.00             | -                                      |
| MW-39 | 08/28/19      | -                           | -                   | 65.71             | 0.00             | -                                      |
| MW-39 | 10/30/19      | -                           | -                   | 65.88             | 0.00             | -                                      |
| MW-39 | 03/18/20      | -                           | -                   | 66.11             | 0.00             | -                                      |
| MW-39 | 05/13/20      | -                           | -                   | 66.22             | 0.00             | -                                      |
| MW-39 | 06/09/20      | -                           | -                   | 66.28             | 0.00             | -                                      |
| MW-39 | 07/16/20      | -                           | -                   | 66.32             | 0.00             | -                                      |
| MW-39 | 08/25/20      | -                           | -                   | 66.37             | 0.00             | -                                      |
| MW-39 | 12/16/20      | -                           | -                   | 66.53             | 0.00             | -                                      |
| MW-39 | 01/28/21      | -                           | -                   | 66.58             | 0.00             | -                                      |
| MW-39 | 03/22/21      | -                           | -                   | 66.70             | 0.00             | -                                      |
| MW-39 | 06/22/21      | -                           | -                   | 66.84             | 0.00             | -                                      |
| MW-39 | 07/22/21      | -                           | -                   | 66.89             | 0.00             | -                                      |
| MW-39 | 09/09/21      | -                           | -                   | 66.95             | 0.00             | -                                      |
| MW-39 | 10/26/21      | -                           | -                   | 67.02             | 0.00             | -                                      |
| MW-39 | 12/14/21      | -                           | -                   | 67.10             | 0.00             | -                                      |
| MW-39 | 02/09/22      | -                           | -                   | 67.15             | 0.00             | -                                      |
| MW-39 | 05/02/22      | -                           | -                   | 67.28             | 0.00             | -                                      |
| MW-39 | 08/02/22      | -                           | -                   | 67.42             | 0.00             | -                                      |
| MW-39 | 10/26/22      | -                           | -                   | 67.58             | 0.00             | -                                      |
|       |               |                             |                     |                   |                  |                                        |
| MW-40 | 12/03/07      | -                           | -                   | 63.59             | 0.00             | -                                      |
| MW-40 | 03/04/08      | -                           | -                   | 63.71             | 0.00             | -                                      |
| MW-40 | 06/11/08      | -                           | -                   | 63.75             | 0.00             | -                                      |
| MW-40 | 09/09/08      | -                           | -                   | 63.84             | 0.00             | -                                      |
| MW-40 | 12/11/08      | -                           | -                   | 63.09             | 0.00             | -                                      |
| MW-40 | 02/27/09      | -                           | -                   | 63.94             | 0.00             | -                                      |
| MW-40 | 05/22/09      | -                           | -                   | 63.99             | 0.00             | -                                      |
| MW-40 | 08/18/09      | -                           | -                   | 64.05             | 0.00             | -                                      |
| MW-40 | 12/10/09      | -                           | -                   | 64.08             | 0.00             | -                                      |
| MW-40 | 01/06/10      | -                           | -                   | 64.07             | 0.00             | -                                      |
| MW-40 | 02/22/10      | -                           | -                   | 64.09             | 0.00             | -                                      |
| MW-40 | 05/06/10      | -                           | -                   | 64.07             | 0.00             | -                                      |



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM SPS - 11**  
**PLAINS MARKETING, L.P.**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-40 | 05/13/10      | -                           | -                   | 64.06             | 0.00             | -                                      |
| MW-40 | 05/19/10      | -                           | -                   | 64.09             | 0.00             | -                                      |
| MW-40 | 06/04/10      | -                           | -                   | 64.12             | 0.00             | -                                      |
| MW-40 | 08/26/10      | -                           | -                   | 64.14             | 0.00             | -                                      |
| MW-40 | 11/30/10      | -                           | -                   | 64.09             | 0.00             | -                                      |
| MW-40 | 03/08/11      | -                           | -                   | 64.10             | 0.00             | -                                      |
| MW-40 | 05/25/11      | -                           | -                   | 64.08             | 0.00             | -                                      |
| MW-40 | 08/19/11      | -                           | -                   | 64.45             | 0.00             | -                                      |
| MW-40 | 11/15/11      | -                           | -                   | 64.38             | 0.00             | -                                      |
| MW-40 | 02/29/12      | -                           | -                   | 64.58             | 0.00             | -                                      |
| MW-40 | 05/01/12      | -                           | -                   | 64.70             | 0.00             | -                                      |
| MW-40 | 08/10/12      | -                           | -                   | 65.06             | 0.00             | -                                      |
| MW-40 | 11/28/12      | -                           | -                   | 64.96             | 0.00             | -                                      |
| MW-40 | 02/21/13      | -                           | -                   | 65.10             | 0.00             | -                                      |
| MW-40 | 05/15/13      | -                           | -                   | 65.50             | 0.00             | -                                      |
| MW-40 | 08/21/13      | -                           | -                   | 65.09             | 0.00             | -                                      |
| MW-40 | 11/11/13      | -                           | -                   | 65.15             | 0.00             | -                                      |
| MW-40 | 02/19/14      | -                           | -                   | 65.22             | 0.00             | -                                      |
| MW-40 | 05/20/14      | -                           | -                   | 65.31             | 0.00             | -                                      |
| MW-40 | 07/29/14      | -                           | -                   | 65.37             | 0.00             | -                                      |
| MW-40 | 08/19/14      | -                           | -                   | 65.34             | 0.00             | -                                      |
| MW-40 | 10/30/14      | -                           | -                   | 65.41             | 0.00             | -                                      |
| MW-40 | 11/24/14      | -                           | -                   | 65.38             | 0.00             | -                                      |
| MW-40 | 02/11/15      | -                           | -                   | 65.40             | 0.00             | -                                      |
| MW-40 | 03/11/15      | -                           | -                   | 65.44             | 0.00             | -                                      |
| MW-40 | 04/17/15      | -                           | -                   | 61.85             | 0.00             | -                                      |
| MW-40 | 05/19/15      | -                           | -                   | 65.46             | 0.00             | -                                      |
| MW-40 | 07/31/15      | -                           | -                   | 65.54             | 0.00             | -                                      |
| MW-40 | 08/12/15      | -                           | -                   | 65.54             | 0.00             | -                                      |
| MW-40 | 09/11/15      | -                           | -                   | 65.59             | 0.00             | -                                      |
| MW-40 | 11/10/15      | -                           | -                   | 65.61             | 0.00             | -                                      |
| MW-40 | 02/02/16      | -                           | -                   | 65.70             | 0.00             | -                                      |
| MW-40 | 04/28/16      | -                           | -                   | 65.75             | 0.00             | -                                      |
| MW-40 | 05/10/16      | -                           | -                   | 65.76             | 0.00             | -                                      |
| MW-40 | 07/01/16      | -                           | -                   | 65.81             | 0.00             | -                                      |
| MW-40 | 07/29/16      | -                           | -                   | 65.86             | 0.00             | -                                      |
| MW-40 | 08/09/16      | -                           | -                   | 65.84             | 0.00             | -                                      |
| MW-40 | 09/15/16      | -                           | -                   | 65.87             | 0.00             | -                                      |
| MW-40 | 11/15/16      | -                           | -                   | 65.98             | 0.00             | -                                      |
| MW-40 | 12/14/16      | -                           | -                   | 66.01             | 0.00             | -                                      |

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM SPS - 11  
 PLAINS MARKETING, L.P.  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER GW-0140

|       | DATE MEASURED | CASING<br>WELL<br>ELEVATION | DEPTH TO<br>PRODUCT | DEPTH TO<br>WATER | PSH<br>THICKNESS | CORRECTED<br>GROUND WATER<br>ELEVATION |
|-------|---------------|-----------------------------|---------------------|-------------------|------------------|----------------------------------------|
| MW-40 | 01/20/17      | -                           | -                   | 66.06             | 0.00             | -                                      |
| MW-40 | 02/22/17      | -                           | -                   | 66.12             | 0.00             | -                                      |
| MW-40 | 05/17/17      | -                           | -                   | 66.28             | 0.00             | -                                      |
| MW-40 | 06/09/17      | -                           | -                   | 66.39             | 0.00             | -                                      |
| MW-40 | 07/26/17      | -                           | -                   | 66.37             | 0.00             | -                                      |
| MW-40 | 08/23/17      | -                           | -                   | 66.51             | 0.00             | -                                      |
| MW-40 | 10/10/17      | -                           | -                   | 66.63             | 0.00             | -                                      |
| MW-40 | 11/29/17      | -                           | -                   | 66.68             | 0.00             | -                                      |
| MW-40 | 01/08/18      | -                           | -                   | 66.77             | 0.00             | -                                      |
| MW-40 | 02/13/18      | -                           | -                   | 66.84             | 0.00             | -                                      |
| MW-40 | 05/17/18      | -                           | -                   | 66.97             | 0.00             | -                                      |
| MW-40 | 07/05/18      | -                           | -                   | 67.08             | 0.00             | -                                      |
| MW-40 | 07/26/18      | -                           | -                   | 67.07             | 0.00             | -                                      |
| MW-40 | 08/16/18      | -                           | -                   | 67.11             | 0.00             | -                                      |
| MW-40 | 11/28/18      | -                           | -                   | 67.25             | 0.00             | -                                      |
| MW-40 | 12/27/18      | -                           | -                   | 66.31             | 0.00             | -                                      |
| MW-40 | 01/17/19      | -                           | -                   | 67.34             | 0.00             | -                                      |
| MW-40 | 02/21/19      | -                           | -                   | 67.42             | 0.00             | -                                      |
| MW-40 | 04/04/19      | -                           | -                   | 67.46             | 0.00             | -                                      |
| MW-40 | 05/30/19      | -                           | -                   | 67.54             | 0.00             | -                                      |
| MW-40 | 08/28/19      | -                           | -                   | 67.73             | 0.00             | -                                      |
| MW-40 | 10/30/19      | -                           | -                   | 67.94             | 0.00             | -                                      |
| MW-40 | 03/18/20      | -                           | -                   | 68.18             | 0.00             | -                                      |
| MW-40 | 05/13/20      | -                           | -                   | 68.24             | 0.00             | -                                      |
| MW-40 | 06/09/20      | -                           | -                   | 68.28             | 0.00             | -                                      |
| MW-40 | 07/16/20      | -                           | -                   | 68.31             | 0.00             | -                                      |
| MW-40 | 08/25/20      | -                           | -                   | 68.36             | 0.00             | -                                      |
| MW-40 | 12/16/20      | -                           | -                   | 68.48             | 0.00             | -                                      |
| MW-40 | 01/28/21      | -                           | -                   | 68.56             | 0.00             | -                                      |
| MW-40 | 03/22/21      | -                           | -                   | 68.65             | 0.00             | -                                      |
| MW-40 | 06/22/21      | -                           | -                   | 68.85             | 0.00             | -                                      |
| MW-40 | 07/22/21      | -                           | -                   | 68.89             | 0.00             | -                                      |
| MW-40 | 09/09/21      | -                           | -                   | 68.98             | 0.00             | -                                      |
| MW-40 | 10/26/21      | -                           | -                   | 69.02             | 0.00             | -                                      |
| MW-40 | 12/14/21      | -                           | -                   | 69.14             | 0.00             | -                                      |
| MW-40 | 02/09/22      | -                           | -                   | 69.12             | 0.00             | -                                      |
| MW-40 | 05/02/22      | -                           | -                   | 69.30             | 0.00             | -                                      |
| MW-40 | 08/02/22      | -                           | -                   | 69.42             | 0.00             | -                                      |
| MW-40 | 10/26/22      | -                           | -                   | 69.56             | 0.00             | -                                      |
|       |               |                             |                     |                   |                  |                                        |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION            | SAMPLE DATE | SW 846-8260b                                 |         |               |                |            |
|----------------------------|-------------|----------------------------------------------|---------|---------------|----------------|------------|
|                            |             | BENZENE                                      | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| NMOCD REGULATORY GUIDELINE |             | 0.01                                         | 0.75    | 0.75          | 0.62           |            |
| MW - 1                     | 08/20/99    | 6.5400                                       | 0.078   | 1.36          | 0.605          | 0.217      |
| MW - 1                     | 12/08/99    | 5.2000                                       | 0.386   | 1.06          | 0.501          | 0.223      |
| MW - 1                     | 03/24/00    | 0.5470                                       | 0.098   | 0.169         | 0.042          | 0.014      |
| MW - 1                     | 06/14/00    | 2.2800                                       | 0.06    | 0.451         | 0.06           | 0.013      |
| MW - 1                     | 09/22/00    | 0.4550                                       | 0.115   | 0.128         | 0.051          | 0.023      |
| MW - 1                     | 12/28/00    | 1.9900                                       | 0.05    | 0.442         | 0.11           | 0.056      |
| MW - 1                     | 03/14/01    | 2.7200                                       | 0.199   | 0.659         | 0.200          | 0.075      |
| MW - 1                     | 06/06/01    | 3.5600                                       | 0.155   | 0.812         | 0.372          |            |
| MW - 1                     | 09/28/01    | 1.2800                                       | 0.065   | 0.366         | 0.145          | 0.013      |
| MW - 1                     | 11/17/01    | 6.8800                                       | 0.121   | 1.65          | 0.865          | 0.204      |
| MW - 1                     | 03/26/02    | 1.8500                                       | 0.049   | 0.361         | 0.042          | 0.007      |
| MW - 1                     | 06/26/02    | 2.0700                                       | 0.169   | 0.545         | 0.105          | 0.018      |
| MW - 1                     | 09/25/02    | 2.6000                                       | 0.311   | 0.402         | 0.104          | 0.033      |
| MW - 1                     | 12/10/02    | 1.6100                                       | 0.307   | 0.248         | 0.081          | 0.022      |
| MW - 1                     | 03/11/03    | 0.8440                                       | 0.148   | 0.172         | 0.075          | 0.025      |
| MW - 1                     | 06/10/03    | 1.1700                                       | 0.080   | 0.078         | 0.111          | 0.020      |
| MW - 1                     | 03/01/04    | 2.9100                                       | 0.114   | 0.481         | 0.511          | 0.170      |
| MW - 1                     | 05/19/04    | 2.5900                                       | 0.0794  | 0.429         | 0.303          | 0.125      |
| MW - 1                     | 03/17/05    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 06/15/05    | 6.8100                                       | 0.122   | 0.92          | 0.181          |            |
| MW - 1                     | 09/14/05    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 12/13/05    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 03/15/06    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 06/14/06    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 09/13/06    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 12/05/06    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 03/01/07    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 05/24/07    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 08/23/07    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 11/04/07    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 03/04/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 06/11/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 09/10/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 12/11/08    | Not Sampled Due to Insufficient Water Volume |         |               |                |            |
| MW - 1                     | 02/26/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 05/22/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 08/18/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 12/10/09    | 2.690                                        | 0.578   | 1.28          | 1.26           |            |
| MW - 1                     | 02/22/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 06/03/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 08/26/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 1                     | 12/01/10    | Not Sampled Due to PSH in Well               |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 1          | 03/09/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/26/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/18/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/15/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/29/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/02/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/10/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/27/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/22/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/15/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/21/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/11/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/19/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/20/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/19/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/26/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/20/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/13/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/02/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/11/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/09/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/16/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/22/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/17/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/23/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/29/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/14/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/17/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/15/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 11/27/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 02/21/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 05/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/27/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 10/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 03/17/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 06/09/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 08/26/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 12/18/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 03/24/21    | 2.71                           | 0.0598  | 0.152         | 0.2537         |            |
| MW - 1          | 06/23/21    | 3.52                           | 0.0346  | 0.0934        | 0.0999         |            |
| MW - 1          | 09/10/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 1          | 12/15/21    | Not Sampled Due to PSH in Well |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 1          | 02/10/22    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 1          | 05/04/22    | 3.10                                   | 0.0289  | 0.107         | 0.1018         |            |
| MW - 1          | 08/02/22    | 3.59                                   | 0.0292  | 0.131         | 0.0805         |            |
| MW - 1          | 10/27/22    | 1.08                                   | 0.0178  | 0.0231        | 0.0557         |            |
|                 |             |                                        |         |               |                |            |
| MW - 2          | 08/19/99    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 12/08/99    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 03/24/00    | 0.0010                                 | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 2          | 06/14/00    | 0.0150                                 | 0.006   | 0.007         | 0.002          | <0.001     |
| MW - 2          | 09/22/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 12/28/00    | 0.0020                                 | 0.001   | 0.001         | <0.001         | <0.001     |
| MW - 2          | 03/14/01    | 0.0010                                 | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 2          | 06/06/01    | 0.0070                                 | 0.013   | <0.001        | <0.001         |            |
| MW - 2          | 09/28/01    | 0.0010                                 | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 2          | 11/17/01    | 0.0110                                 | 0.002   | 0.003         | 0.002          | <0.001     |
| MW - 2          | 03/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 06/26/02    | 0.0020                                 | 0.002   | 0.001         | 0.001          | <0.001     |
| MW - 2          | 09/25/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 12/10/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 03/11/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 2          | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 2          | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 2          | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 2          | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 06/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 09/14/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 12/13/05    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 2          | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 06/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 09/13/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 12/05/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 2          | 03/01/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 05/24/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 08/23/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 2          | 03/04/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 06/11/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 09/10/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 12/11/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 2          | 02/26/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 05/22/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 2          | 08/18/09    | Not Sampled on Current Sample Schedule |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 2          | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 2          | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 2          | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 2          | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 2          | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/15/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 2          | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 2          | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 2          | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 2          | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/27/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 2          | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/17/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 2          | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 2          | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 2          | 06/09/20    | Not Sampled Due to PSH in Well         |          |               |                |            |
| MW - 2          | 08/26/20    | Not Sampled Due to PSH in Well         |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 2          | 12/18/20    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 03/24/21    | 0.256                                  | 0.0937  | 1.74          | 1.554          |            |
| MW - 2          | 06/23/21    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 09/10/21    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 12/15/21    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 02/10/22    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 05/04/22    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 08/02/22    | Not Sampled Due to PSH in Well         |         |               |                |            |
| MW - 2          | 10/27/22    | Not Sampled Due to PSH in Well         |         |               |                |            |
|                 |             |                                        |         |               |                |            |
| MW - 3          | 08/19/99    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 12/08/99    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 03/24/00    | <0.001                                 | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 3          | 06/14/00    | 0.0030                                 | 0.001   | 0.003         | <0.001         | <0.001     |
| MW - 3          | 09/22/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 12/28/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 03/14/01    | 0.0040                                 | 0.005   | 0.003         | 0.003          | <0.001     |
| MW - 3          | 06/06/01    | 0.0060                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 3          | 09/28/01    | 0.0020                                 | 0.002   | <0.001        | 0.001          | <0.001     |
| MW - 3          | 11/17/01    | 0.0060                                 | 0.001   | 0.002         | 0.002          | <0.001     |
| MW - 3          | 03/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 06/26/02    | 0.0030                                 | 0.004   | 0.002         | 0.002          | <0.001     |
| MW - 3          | 09/25/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 12/10/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 03/11/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 3          | 12/08/03    | 0.0030                                 | <0.001  | 0.002         | <0.002         | <0.001     |
| MW - 3          | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 3          | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 3          | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 06/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 09/14/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 12/13/05    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 3          | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 06/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 09/13/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 12/05/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 3          | 03/01/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 05/24/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 08/23/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 3          | 03/04/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 3          | 06/11/08    | Not Sampled on Current Sample Schedule |         |               |                |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 3          | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 3          | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/22/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 3          | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 3          | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 3          | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 3          | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/15/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 3          | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 3          | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 3          | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 3          | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 3          | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/17/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 3          | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 3          | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 3          | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 12/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 3          | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 06/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 3          | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 3          | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 4          | 08/19/00    | 0.0090                                 | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 4          | 12/08/99    | <b>0.0140</b>                          | 0.002    | 0.003         | 0.002          | <0.001     |
| MW - 4          | 03/24/00    | <b>0.0150</b>                          | 0.001    | 0.003         | 0.001          | <0.001     |
| MW - 4          | 06/14/00    | <b>0.0210</b>                          | 0.001    | 0.006         | 0.001          | <0.001     |
| MW - 4          | 09/22/00    | <b>0.0150</b>                          | 0.002    | 0.006         | 0.002          | 0.001      |
| MW - 4          | 12/28/00    | <b>0.0110</b>                          | 0.002    | 0.003         | <0.001         | <0.001     |
| MW - 4          | 03/14/01    | 0.0080                                 | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 4          | 06/06/01    | <b>0.0200</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 4          | 09/28/01    | <b>0.0120</b>                          | 0.001    | 0.003         | 0.001          | <0.001     |
| MW - 4          | 11/17/01    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 4          | 03/26/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 4          | 06/26/02    | <b>0.0130</b>                          | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 4          | 09/25/02    | <b>0.0140</b>                          | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 4          | 12/10/02    | 0.0010                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 4          | 03/11/03    | 0.0050                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 4          | 06/10/03    | 0.0030                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 4          | 09/03/03    | 0.0040                                 | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 4          | 12/08/03    | 0.0040                                 | <0.001   | 0.002         | <0.002         | <0.001     |
| MW - 4          | 03/01/04    | 0.0020                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 4          | 05/19/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 4          | 08/26/04    | 0.0078                                 | <0.001   | 0.00264       | <0.002         | <0.001     |
| MW - 4          | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 4          | 03/17/05    | 0.0091                                 | <0.005   | <0.005        | <0.005         |            |
| MW - 4          | 06/15/05    | <b>0.0209</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 4          | 09/14/05    | <b>0.0892</b>                          | 0.0019   | 0.0325        | 0.0085         |            |
| MW - 4          | 12/13/05    | <b>0.0168</b>                          | 0.0013   | 0.005         | 0.0014         |            |
| MW - 4          | 03/15/06    | 0.0050                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 4          | 06/14/06    | <b>0.0109</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 4          | 09/13/06    | <b>0.0449</b>                          | <0.001   | 0.007         | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                                 |         |               |                |            |
|-----------------|-------------|----------------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                      | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 4          | 12/06/06    | <0.001                                       | <0.001  | <0.001        | <0.001         |            |
| MW - 4          | 03/01/07    | <0.001                                       | <0.001  | <0.001        | <0.001         |            |
| MW - 4          | 05/24/07    | <0.001                                       | <0.001  | <0.001        | <0.001         |            |
| MW - 4          | 08/23/07    | 0.0063                                       | <0.001  | <0.001        | <0.001         |            |
| MW - 4          | 11/08/07    | <b>0.0101</b>                                | <0.001  | 0.0268        | 0.0295         |            |
| MW - 4          | 03/04/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 06/11/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 09/10/08    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 12/11/08    | Not Sampled Due to Insufficient Water Volume |         |               |                |            |
| MW - 4          | 02/26/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/22/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/18/09    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 12/10/09    | <b>1.110</b>                                 | 0.272   | <b>1.670</b>  | <b>1.970</b>   |            |
| MW - 4          | 02/22/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 06/03/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/26/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 12/01/10    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 03/09/11    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/26/11    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/18/11    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/15/11    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/29/12    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/02/12    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/10/12    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/27/12    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/22/13    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/15/13    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/21/13    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/11/13    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/19/14    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/20/14    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/19/14    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/25/14    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/10/15    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/20/15    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/13/15    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/10/15    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/02/16    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/11/16    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/09/16    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 11/16/16    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 02/22/17    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 05/17/17    | Not Sampled Due to PSH in Well               |         |               |                |            |
| MW - 4          | 08/23/17    | Not Sampled Due to PSH in Well               |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 4          | 11/29/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 02/14/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 05/17/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 08/15/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 11/27/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 02/21/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 05/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 08/27/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 10/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 03/17/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 06/09/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 08/26/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 12/18/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 03/24/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 06/23/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 09/10/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 12/15/21    | <b>1.82</b>                    | 0.00452 | <b>1.66</b>   | <b>1.298</b>   |            |
| MW - 4          | 02/10/22    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 4          | 03/10/22    | <b>1.70</b>                    | 0.111   | <b>2.63</b>   | <b>2.872</b>   |            |
| MW - 4          | 05/03/22    | <b>1.85</b>                    | 0.00515 | <b>2.20</b>   | <b>2.187</b>   |            |
| MW - 4          | 08/03/22    | <b>0.340</b>                   | 0.00481 | 0.0140        | <b>1.033</b>   |            |
| MW - 4          | 10/27/22    | <b>1.39</b>                    | 0.00620 | <b>1.11</b>   | <b>0.994</b>   |            |
|                 |             |                                |         |               |                |            |
| MW - 6          | 08/19/99    | 0.0090                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/08/99    | <b>0.0110</b>                  | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 6          | 03/24/00    | 0.0090                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/14/00    | 0.0050                         | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 6          | 09/02/00    | <b>0.0400</b>                  | <0.001  | 0.01          | 0.003          | <0.001     |
| MW - 6          | 12/28/00    | <b>0.0100</b>                  | 0.001   | 0.002         | <0.001         | <0.001     |
| MW - 6          | 03/14/01    | <b>0.0210</b>                  | <0.001  | 0.004         | 0.001          | <0.001     |
| MW - 6          | 06/06/01    | <b>0.0240</b>                  | <0.001  | <0.001        | <0.001         |            |
| MW - 6          | 09/28/01    | <b>0.0270</b>                  | <0.001  | 0.004         | 0.002          | <0.001     |
| MW - 6          | 11/17/01    | <b>0.0130</b>                  | <0.001  | 0.003         | 0.001          | <0.001     |
| MW - 6          | 03/26/02    | <b>0.0130</b>                  | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/26/02    | 0.0030                         | 0.002   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 09/25/02    | <b>0.0160</b>                  | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/10/02    | <0.001                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/11/03    | <0.001                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/10/03    | <0.001                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 09/03/03    | 0.0010                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/08/03    | <0.001                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 6          | 03/01/04    | <0.001                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 6          | 05/19/04    | <0.001                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 6          | 08/26/04    | <b>0.0203</b>                  | <0.001  | <0.001        | <0.002         | <0.001     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 6          | 12/09/04    | 0.0073        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/17/05    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/15/05    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 09/14/05    | <b>0.0149</b> | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/13/05    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/15/06    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/14/06    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 09/13/06    | <b>2.6900</b> | <0.02    | 0.236         | <0.02          | <0.02      |
| MW - 6          | 12/06/06    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/01/07    | 0.0045        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 05/24/07    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 08/23/07    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 11/08/07    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/04/08    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/11/08    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 09/10/08    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/11/08    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 02/26/09    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 05/21/09    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 08/18/09    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/09/09    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 02/22/10    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 06/03/10    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 08/26/10    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 12/01/10    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 03/09/11    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 05/26/11    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 08/18/11    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 11/15/11    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 02/29/12    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 05/02/12    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 08/10/12    | <0.001        | <0.001   | <0.001        | <0.003         | <0.003     |
| MW - 6          | 11/27/12    | <0.001        | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 6          | 02/22/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 05/15/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 08/21/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 11/11/13    | <0.00100      | <0.00100 | <0.00100      | <0.00300       | <0.00300   |
| MW - 6          | 02/20/14    | <0.00100      | <0.00100 | <0.00100      | <0.00300       | <0.00300   |
| MW - 6          | 05/20/14    | <0.00100      | <0.00100 | <0.00100      | <0.00300       | <0.00300   |
| MW - 6          | 08/19/14    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 11/25/14    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 02/10/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 05/20/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |
| MW - 6          | 08/13/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       | <0.00100   |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 6          | 11/11/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 6          | 02/02/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 6          | 05/11/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 6          | 08/09/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 6          | 11/15/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 6          | 02/22/17    | <0.00200      | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 6          | 05/16/17    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 6          | 08/23/17    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 6          | 11/29/17    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 6          | 02/14/18    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 05/17/18    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 6          | 08/16/18    | <0.00100      | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 6          | 11/28/18    | <0.00100      | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 6          | 02/21/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 05/30/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 08/28/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 10/30/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 03/18/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 06/09/20    | <0.000500     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 08/26/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 12/17/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 03/23/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 06/23/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 09/10/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 12/15/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 02/10/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 05/04/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 08/02/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 6          | 10/28/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |               |          |               |                |            |
| MW - 7          | 08/19/99    | <b>0.0390</b> | 0.008    | 0.018         | 0.005          | 0.004      |
| MW - 7          | 12/08/99    | <b>0.1080</b> | 0.011    | 0.094         | 0.018          | 0.003      |
| MW - 7          | 03/24/00    | <b>0.0440</b> | 0.01     | 0.014         | 0.004          | 0.002      |
| MW - 7          | 06/14/00    | <b>0.0140</b> | 0.003    | 0.004         | <0.001         | <0.001     |
| MW - 7          | 09/22/00    | <b>0.1500</b> | 0.026    | 0.084         | 0.022          | 0.015      |
| MW - 7          | 12/28/00    | <b>0.0430</b> | 0.002    | 0.04          | 0.002          | <0.001     |
| MW - 7          | 03/14/01    | <b>0.0550</b> | 0.002    | 0.057         | 0.002          | <0.001     |
| MW - 7          | 06/06/01    | <b>0.0800</b> | <0.005   | 0.079         | <0.005         |            |
| MW - 7          | 09/28/01    | <b>0.1000</b> | 0.004    | 0.124         | 0.007          | 0.002      |
| MW - 7          | 11/17/01    | <b>0.1620</b> | 0.004    | 0.154         | 0.014          | 0.004      |
| MW - 7          | 03/26/02    | <b>0.0410</b> | 0.001    | 0.036         | 0.002          | <0.001     |
| MW - 7          | 06/26/02    | <b>0.0810</b> | 0.007    | 0.06          | 0.002          | 0.001      |
| MW - 7          | 09/25/02    | <b>0.1540</b> | 0.013    | 0.079         | 0.006          | 0.003      |
| MW - 7          | 12/10/02    | <b>0.0660</b> | 0.007    | 0.054         | 0.004          | 0.001      |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 7          | 03/11/03    | 0.0430                         | 0.004   | 0.031         | 0.002          | <0.001     |
| MW - 7          | 06/10/03    | 0.0430                         | 0.004   | 0.011         | 0.002          | 0.002      |
| MW - 7          | 09/03/03    | 0.0850                         | 0.010   | 0.043         | 0.008          | 0.003      |
| MW - 7          | 12/08/03    | 0.0450                         | 0.003   | 0.009         | 0.002          | 0.001      |
| MW - 7          | 03/01/04    | 0.0950                         | 0.004   | 0.027         | 0.003          | 0.001      |
| MW - 7          | 05/19/04    | 0.0279                         | 0.0014  | 0.00759       | <0.002         | <0.001     |
| MW - 7          | 08/26/04    | 0.1580                         | 0.00834 | 0.0479        | 0.0172         | 0.0123     |
| MW - 7          | 12/09/04    | 1.3600                         | <0.001  | 0.118         | <0.001         |            |
| MW - 7          | 03/17/05    | 2.8700                         | 0.0291  | 1.78          | 0.644          |            |
| MW - 7          | 06/15/05    | 2.8600                         | 0.0804  | 1.41          | 0.426          |            |
| MW - 7          | 09/14/05    | 2.9200                         | <0.05   | 1.77          | 0.455          |            |
| MW - 7          | 12/13/05    | 2.0800                         | <0.02   | 1.4           | 0.188          |            |
| MW - 7          | 03/15/06    | 1.4800                         | <0.050  | 1.08          | 0.152          |            |
| MW - 7          | 06/14/06    | 0.8140                         | <0.02   | 0.616         | 0.034          |            |
| MW - 7          | 09/14/06    | 0.8870                         | <0.02   | 0.678         | <0.02          |            |
| MW - 7          | 12/06/06    | 0.5830                         | <0.01   | 0.457         | 0.0297         |            |
| MW - 7          | 03/01/07    | 0.6700                         | <0.02   | 0.518         | 0.0338         |            |
| MW - 7          | 05/24/07    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/23/07    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/08/07    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 03/04/08    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 06/11/08    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 09/10/08    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 12/11/08    | 1.9800                         | 0.133   | 1.85          | 1.10           |            |
| MW - 7          | 02/26/09    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/22/09    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/18/09    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 12/10/09    | 2.470                          | 0.681   | 2.110         | 1.480          |            |
| MW - 7          | 02/22/10    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 06/03/10    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/26/10    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 12/01/10    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 03/09/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/26/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/19/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/15/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/29/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/22/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/15/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/21/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/11/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/19/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/20/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/19/14    | Not Sampled Due to PSH in Well |         |               |                |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 7          | 11/25/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/25/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/20/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/13/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/02/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/11/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/09/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/16/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/22/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/17/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/23/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/29/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/14/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/17/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/15/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 11/27/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/21/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/27/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 10/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 03/17/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 06/09/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/26/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 12/18/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 03/24/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 06/23/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 09/10/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 12/16/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 02/10/22    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 05/04/22    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 08/02/22    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 7          | 10/27/22    | Not Sampled Due to PSH in Well |         |               |                |            |
|                 |             |                                |         |               |                |            |
| MW - 9          | 08/19/99    | <b>0.7250</b>                  | 0.163   | 0.368         | 0.252          | 0.104      |
| MW - 9          | 12/08/99    | <b>0.0580</b>                  | <0.001  | 0.022         | 0.004          | <0.001     |
| MW - 9          | 03/24/00    | <b>0.0120</b>                  | 0.002   | 0.002         | <0.001         | <0.001     |
| MW - 9          | 06/14/00    | <b>0.0410</b>                  | <0.001  | 0.024         | 0.002          | <0.001     |
| MW - 9          | 09/22/00    | <b>0.0580</b>                  | <0.001  | 0.008         | 0.002          | <0.001     |
| MW - 9          | 12/28/00    | <b>0.8670</b>                  | <0.010  | 0.344         | 0.043          | <0.010     |
| MW - 9          | 03/14/01    | <b>2.5200</b>                  | <0.010  | <b>1.12</b>   | 0.098          | 0.019      |
| MW - 9          | 06/06/01    | <b>2.9800</b>                  | <0.005  | <b>1.15</b>   | 0.198          |            |
| MW - 9          | 09/28/01    | <b>2.3600</b>                  | <0.002  | <b>1.00</b>   | 0.015          | <0.002     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |         |               |                |            |
|-----------------|-------------|--------------|---------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 9          | 11/17/01    | 1.8200       | 0.002   | 0.724         | 0.013          | 0.002      |
| MW - 9          | 03/26/02    | 0.1620       | <0.001  | 0.037         | 0.001          | <0.001     |
| MW - 9          | 06/26/02    | 0.8360       | <0.001  | 0.481         | 0.185          | <0.001     |
| MW - 9          | 09/25/02    | 0.7100       | 0.002   | 0.199         | 0.003          | <0.001     |
| MW - 9          | 12/10/02    | 1.0100       | <0.001  | 0.369         | 0.017          | <0.001     |
| MW - 9          | 03/11/03    | 0.9660       | <0.001  | 0.190         | 0.010          | 0.001      |
| MW - 9          | 06/10/03    | 0.2100       | <0.001  | 0.017         | <0.001         | <0.001     |
| MW - 9          | 09/03/03    | 0.4890       | <0.001  | 0.056         | 0.003          | <0.001     |
| MW - 9          | 12/08/03    | 0.5590       | 0.008   | 0.017         | 0.009          | 0.002      |
| MW - 9          | 03/01/04    | 0.0690       | <0.001  | 0.002         | <0.002         | <0.001     |
| MW - 9          | 05/19/04    | 0.0890       | <0.001  | 0.00235       | <0.002         | <0.001     |
| MW - 9          | 08/26/04    | 0.1160       | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 9          | 12/09/04    | 3.4400       | <0.001  | <0.001        | <0.001         |            |
| MW - 9          | 03/17/05    | 0.7830       | <0.01   | 0.0891        | 0.0655         |            |
| MW - 9          | 06/15/05    | 1.4200       | <0.02   | 0.168         | 0.06           |            |
| MW - 9          | 09/15/05    | 2.3600       | <0.05   | 0.431         | 0.0838         |            |
| MW - 9          | 12/13/05    | 2.5100       | <0.02   | 0.462         | 0.0282         |            |
| MW - 9          | 03/15/06    | 2.5000       | <0.2    | 0.52          | <0.2           |            |
| MW - 9          | 06/14/06    | 3.1300       | <0.1    | 0.361         | <0.1           |            |
| MW - 9          | 09/14/06    | <0.001       | <0.001  | <0.001        | <0.001         |            |
| MW - 9          | 12/06/06    | 1.5400       | 0.0354  | 0.0429        | 0.0406         |            |
| MW - 9          | 03/02/07    | 1.4200       | <0.02   | 0.0712        | <0.020         |            |
| MW - 9          | 05/24/07    | 1.4400       | <0.01   | 0.0412        | <0.010         |            |
| MW - 9          | 08/23/07    | 0.7570       | <0.050  | <0.050        | <0.050         |            |
| MW - 9          | 11/08/07    | 1.1000       | <0.020  | <0.020        | <0.020         |            |
| MW - 9          | 03/04/08    | 0.8620       | <0.010  | 0.0222        | <0.010         |            |
| MW - 9          | 06/11/08    | 0.7480       | <0.005  | 0.0559        | <0.005         |            |
| MW - 9          | 09/10/08    | 0.4550       | <0.005  | 0.0139        | <0.005         |            |
| MW - 9          | 12/11/08    | 0.0722       | <0.010  | <0.010        | <0.010         |            |
| MW - 9          | 02/27/09    | 0.1660       | <0.010  | <0.010        | <0.010         |            |
| MW - 9          | 05/22/09    | 0.0610       | <0.005  | <0.005        | <0.005         |            |
| MW - 9          | 08/18/09    | 0.2070       | >0.0100 | >0.0100       | >0.0100        |            |
| MW - 9          | 12/10/09    | 0.0551       | <0.005  | 0.0113        | <0.005         |            |
| MW - 9          | 02/22/10    | 0.1670       | <0.005  | 0.306         | 0.277          |            |
| MW - 9          | 06/03/10    | 0.2230       | <0.005  | 0.0367        | <0.005         |            |
| MW - 9          | 08/26/10    | 0.0989       | <0.001  | 0.0059        | <0.001         |            |
| MW - 9          | 12/01/10    | 0.0408       | <0.001  | <0.001        | <0.001         |            |
| MW - 9          | 03/09/11    | 0.0375       | <0.001  | 0.0597        | 0.0565         |            |
| MW - 9          | 05/26/11    | 0.3580       | <0.005  | 0.068         | 0.0818         |            |
| MW - 9          | 08/19/11    | 0.3820       | <0.005  | <0.005        | <0.005         |            |
| MW - 9          | 11/15/11    | 0.9240       | <0.005  | 0.0345        | <0.005         |            |
| MW - 9          | 02/29/12    | 0.3810       | <0.005  | <0.005        | <0.005         |            |
| MW - 9          | 05/02/12    | 0.7730       | <0.005  | 0.119         | <0.005         |            |
| MW - 9          | 08/10/12    | 0.1330       | <0.001  | <0.001        | <0.003         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 9          | 11/27/12    | 0.0994       | <0.001   | <0.001        | <0.001         |            |
| MW - 9          | 02/22/13    | 0.0298       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 05/15/13    | 0.0256       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 08/21/13    | 0.00860      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 11/11/13    | 0.00400      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 9          | 02/20/14    | 0.0175       | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 9          | 05/20/14    | 0.0453       | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 9          | 08/19/14    | 0.0428       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 11/26/14    | 0.168        | <0.00100 | 0.0368        | <0.00100       |            |
| MW - 9          | 02/10/15    | 0.0163       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 05/20/15    | 0.0400       | <0.00100 | 0.0108        | 0.00320        |            |
| MW - 9          | 08/13/15    | 0.133        | <0.00100 | 0.0222        | 0.00960        |            |
| MW - 9          | 11/11/15    | 0.0512       | <0.00100 | 0.00830       | 0.00660        |            |
| MW - 9          | 02/02/16    | 0.0543       | <0.00100 | 0.01210       | <0.00100       |            |
| MW - 9          | 05/11/16    | 0.00140      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 9          | 08/09/16    | 0.112        | <0.00100 | 0.0207        | 0.00870        |            |
| MW - 9          | 11/16/16    | 0.0749       | <0.00100 | 0.00670       | 0.00130        |            |
| MW - 9          | 02/22/17    | 0.191        | <0.00200 | 0.0287        | 0.00425        |            |
| MW - 9          | 05/17/17    | 0.0647       | <0.00200 | 0.0136        | <0.00400       |            |
| MW - 9          | 08/26/17    | 0.0468       | <0.00200 | 0.00230       | <0.00400       |            |
| MW - 9          | 11/29/17    | 0.820        | <0.00200 | 0.0745        | <0.00400       |            |
| MW - 9          | 02/14/18    | 0.231        | <0.00100 | 0.0427        | <0.00200       |            |
| MW - 9          | 05/17/18    | 0.0786       | <0.00200 | 0.0199        | <0.00400       |            |
| MW - 9          | 08/16/18    | 0.196        | <0.0100  | 0.0233        | <0.0200        |            |
| MW - 9          | 11/29/18    | 0.384        | <0.0100  | 0.0938        | <0.0200        |            |
| MW - 9          | 02/21/19    | 0.352        | <0.00100 | 0.0790        | 0.00380        |            |
| MW - 9          | 05/30/19    | 0.536        | <0.00500 | 0.0200        | <0.0100        |            |
| MW - 9          | 08/28/19    | 0.150        | <0.00100 | 0.00664       | <0.00200       |            |
| MW - 9          | 10/31/19    | 0.280        | <0.00100 | 0.0601        | <0.00200       |            |
| MW - 9          | 03/18/20    | 0.277        | 0.00135  | 0.0383        | <0.00200       |            |
| MW - 9          | 06/09/20    | 0.236        | 0.00418  | 0.0681        | 0.06022        |            |
| MW - 9          | 08/26/20    | 0.272        | 0.00254  | 0.0762        | 0.05762        |            |
| MW - 9          | 12/18/20    | 0.281        | 0.00130  | 0.0141        | <0.00200       |            |
| MW - 9          | 03/24/21    | 0.546        | 0.00255  | 0.0450        | <0.00200       |            |
| MW - 9          | 06/23/21    | 0.374        | 0.00152  | 0.00192       | 0.04205        |            |
| MW - 9          | 09/10/21    | 0.425        | 0.00260  | 0.199         | 0.20814        |            |
| MW - 9          | 12/15/21    | 0.221        | <0.00100 | 0.0123        | <0.00200       |            |
| MW - 9          | 02/10/22    | 0.431        | 0.00132  | 0.0862        | 0.01220        |            |
| MW - 9          | 03/09/22    | 0.299        | 0.00116  | 0.0347        | 0.00647        |            |
| MW - 9          | 05/03/22    | 0.393        | 0.00113  | 0.0674        | 0.0137         |            |
| MW - 9          | 08/03/22    | 0.226        | <0.00100 | 0.0121        | 0.00514        |            |
| MW - 9          | 10/27/22    | 0.195        | <0.00100 | 0.00659       | <0.00200       |            |
|                 |             |              |          |               |                |            |
| MW - 10         | 08/19/99    | 0.0400       | 0.007    | 0.006         | 0.006          | 0.003      |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 10         | 12/08/99    | 0.0480                                 | 0.022   | 0.021         | 0.013          | 0.008      |
| MW - 10         | 03/24/00    | 0.0220                                 | 0.004   | 0.005         | 0.004          | 0.002      |
| MW - 10         | 06/14/00    | 0.0120                                 | 0.004   | 0.007         | 0.002          | 0.002      |
| MW - 10         | 09/22/00    | 0.0260                                 | 0.005   | 0.016         | 0.006          | 0.005      |
| MW - 10         | 12/28/00    | 0.0180                                 | 0.003   | 0.015         | 0.002          | 0.002      |
| MW - 10         | 03/14/01    | 0.0110                                 | 0.004   | 0.013         | 0.002          | 0.002      |
| MW - 10         | 06/06/01    | 0.0220                                 | <0.001  | 0.016         | 0.035          |            |
| MW - 10         | 09/28/01    | 0.0070                                 | <0.001  | 0.008         | 0.001          | <0.001     |
| MW - 10         | 11/17/01    | 0.0140                                 | <0.001  | 0.007         | 0.002          | <0.001     |
| MW - 10         | 03/26/02    | 0.0210                                 | <0.001  | 0.006         | <0.001         | <0.001     |
| MW - 10         | 06/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 10         | 09/25/02    | 0.0020                                 | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 10         | 12/10/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 10         | 03/11/03    | 0.0070                                 | 0.003   | 0.001         | 0.001          | <0.001     |
| MW - 10         | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 10         | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 10         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 10         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 10         | 12/09/04    | 0.0016                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 10         | 06/15/05    | 0.0622                                 | <0.005  | 0.0132        | 0.0175         |            |
| MW - 10         | 09/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 10         | 12/13/05    | 0.0149                                 | <0.005  | 0.0561        | 0.0071         |            |
| MW - 10         | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 10         | 06/14/06    | 0.0014                                 | <0.001  | 0.0057        | <0.001         |            |
| MW - 10         | 09/13/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 12/06/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 03/01/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 05/24/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 08/23/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 03/04/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 06/11/08    | 0.0031                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 09/10/08    | 0.0012                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 12/11/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 02/26/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 05/21/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 08/18/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 12/09/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 02/22/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 06/03/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 10         | 08/26/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 10         | 12/01/10    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 03/09/11    | <b>0.0174</b> | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 05/26/11    | <b>0.0134</b> | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 08/19/11    | 0.0066        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 11/15/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 02/29/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 05/02/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 08/10/12    | <0.001        | <0.001   | <0.001        | <0.003         |            |
| MW - 10         | 11/27/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 10         | 02/22/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 10         | 05/15/13    | 0.00200       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 10         | 08/21/13    | <0.00100      | <0.00100 | <0.00100      | 0.00120        |            |
| MW - 10         | 11/11/13    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 10         | 02/20/14    | 0.00300       | <0.00100 | 0.00390       | <0.00300       |            |
| MW - 10         | 05/20/14    | 0.00540       | <0.00100 | 0.0107        | <0.00300       |            |
| MW - 10         | 08/19/14    | 0.00840       | <0.00100 | 0.0189        | <0.00100       |            |
| MW - 10         | 11/26/14    | <b>0.0140</b> | <0.00100 | 0.0208        | <0.00100       |            |
| MW - 10         | 02/10/15    | 0.00660       | <0.00100 | 0.0404        | <0.00100       |            |
| MW - 10         | 05/20/15    | 0.00390       | <0.00100 | 0.0399        | <0.00100       |            |
| MW - 10         | 08/13/15    | 0.00150       | <0.00100 | 0.0364        | <0.00100       |            |
| MW - 10         | 11/11/15    | <0.00100      | <0.00100 | 0.128         | <0.00100       |            |
| MW - 10         | 02/02/16    | <0.00100      | <0.00100 | 0.0103        | <0.00100       |            |
| MW - 10         | 05/11/16    | <0.00100      | <0.00100 | 0.0720        | <0.00100       |            |
| MW - 10         | 08/09/16    | 0.00110       | <0.00100 | 0.0434        | <0.00100       |            |
| MW - 10         | 11/16/16    | <0.00100      | <0.00100 | 0.00200       | <0.00100       |            |
| MW - 10         | 02/21/17    | <0.00200      | <0.00200 | 0.00223       | <0.00200       |            |
| MW - 10         | 05/16/17    | <0.00200      | 0.00580  | 0.0356        | <0.00400       |            |
| MW - 10         | 08/22/17    | <0.00200      | <0.00200 | 0.00473       | <0.00400       |            |
| MW - 10         | 11/28/17    | <0.00200      | <0.00200 | 0.00543       | <0.00400       |            |
| MW - 10         | 02/13/18    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 05/16/18    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 10         | 08/15/18    | <0.00100      | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 10         | 11/27/18    | <0.00100      | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 10         | 02/20/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 05/29/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 08/27/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 10/30/19    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 03/17/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 06/09/20    | <0.000500     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 08/26/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 12/17/20    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 03/23/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 06/23/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 09/10/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 10         | 12/15/21    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 02/10/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 05/04/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 08/02/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 10         | 10/28/22    | <0.00100      | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |               |          |               |                |            |
| MW - 11         | 08/20/99    | <b>1.7630</b> | <0.010   | <0.010        | <0.010         | <0.010     |
| MW - 11         | 12/08/99    | <b>2.9400</b> | <0.010   | <0.010        | <0.010         | <0.010     |
| MW - 11         | 03/24/00    | <b>1.4000</b> | <0.025   | <0.025        | <0.025         | <0.025     |
| MW - 11         | 06/14/00    | <b>0.7240</b> | 0.002    | 0.001         | <0.001         | <0.001     |
| MW - 11         | 09/22/00    | <b>1.9700</b> | <0.100   | <0.100        | <0.100         | <0.100     |
| MW - 11         | 12/28/00    | <b>0.2500</b> | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 11         | 03/14/01    | <b>0.1050</b> | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 11         | 06/06/01    | <b>0.0730</b> | <0.001   | 0.013         | 0.035          |            |
| MW - 11         | 09/28/01    | <b>0.0130</b> | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 11         | 11/17/01    | <b>0.0320</b> | <0.001   | 0.007         | <0.001         | <0.001     |
| MW - 11         | 03/26/02    | <b>0.0130</b> | 0.001    | 0.004         | <0.001         | <0.001     |
| MW - 11         | 06/26/02    | 0.0010        | <0.001   | 0.004         | <0.001         | <0.001     |
| MW - 11         | 09/25/02    | 0.0010        | <0.001   | 0.004         | <0.001         | <0.001     |
| MW - 11         | 12/10/02    | <0.001        | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 11         | 03/11/03    | 0.0080        | 0.003    | 0.002         | 0.002          | <0.001     |
| MW - 11         | 06/10/03    | <0.001        | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 11         | 09/03/03    | 0.0010        | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 11         | 12/08/03    | <0.001        | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 11         | 03/01/04    | <b>0.0220</b> | <0.001   | 0.024         | <0.002         | <0.001     |
| MW - 11         | 05/19/04    | <b>0.0555</b> | <0.001   | 0.0308        | <0.002         | <0.001     |
| MW - 11         | 08/26/04    | <b>0.1560</b> | <0.001   | 0.0467        | 0.00308        | <0.001     |
| MW - 11         | 12/09/04    | <b>0.2520</b> | <0.001   | 0.075         | <0.001         |            |
| MW - 11         | 03/17/05    | <b>0.3700</b> | <0.005   | 0.139         | 0.0077         |            |
| MW - 11         | 06/15/05    | <b>0.5940</b> | <0.01    | 0.188         | <0.01          |            |
| MW - 11         | 09/14/05    | <b>1.0200</b> | <0.02    | 0.422         | 0.0303         |            |
| MW - 11         | 12/14/05    | <b>0.8200</b> | <0.02    | 0.356         | 0.0267         |            |
| MW - 11         | 03/15/06    | <b>0.8790</b> | <0.02    | 0.401         | <0.02          |            |
| MW - 11         | 06/14/06    | <b>1.1300</b> | <0.02    | 0.425         | 0.0505         |            |
| MW - 11         | 09/14/06    | <b>0.7330</b> | <0.02    | 0.222         | <0.02          |            |
| MW - 11         | 12/06/06    | <b>0.6720</b> | <0.01    | 0.161         | 0.0294         |            |
| MW - 11         | 03/01/07    | <b>0.9710</b> | <0.01    | 0.422         | 0.0691         |            |
| MW - 11         | 05/24/07    | <b>1.4500</b> | <0.001   | 0.487         | 0.0873         |            |
| MW - 11         | 08/23/07    | <b>1.2600</b> | <0.02    | 0.44          | 0.0773         |            |
| MW - 11         | 11/08/07    | <b>1.3400</b> | <0.01    | 0.347         | 0.0762         |            |
| MW - 11         | 03/04/08    | <b>1.7400</b> | <0.01    | 0.537         | 0.103          |            |
| MW - 11         | 06/11/08    | <b>1.4300</b> | <0.010   | 0.307         | 0.0624         |            |
| MW - 11         | 09/10/08    | <b>1.9700</b> | 0.0425   | 0.539         | 0.26           |            |
| MW - 11         | 12/11/08    | <b>2.1100</b> | <0.010   | 0.537         | 0.0996         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 11         | 02/26/09    | Not Sampled                    |         |               |                |            |
| MW - 11         | 05/22/09    | 2.4500                         | <0.001  | 0.499         | 0.176          |            |
| MW - 11         | 08/18/09    | 2.4700                         | <0.050  | 0.522         | 0.342          |            |
| MW - 11         | 12/10/09    | 3.4300                         | <0.050  | 0.665         | <0.050         |            |
| MW - 11         | 02/22/10    | 3.2400                         | <0.050  | 0.66          | <0.050         |            |
| MW - 11         | 06/03/10    | 3.4700                         | <0.050  | 0.676         | <0.050         |            |
| MW - 11         | 08/26/10    | 4.4200                         | <0.0500 | 0.654         | 0.153          |            |
| MW - 11         | 12/01/10    | 4.5700                         | <0.0500 | 1.01          | 0.51           |            |
| MW - 11         | 03/09/11    | 5.1500                         | <0.0500 | 1.43          | 1.26           |            |
| MW - 11         | 05/26/11    | 5.7100                         | <0.0500 | 1.3           | 1.19           |            |
| MW - 11         | 08/19/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/15/11    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/29/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/02/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/10/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/27/12    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/22/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/15/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/21/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/11/13    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/20/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/20/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/19/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/26/14    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/20/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/13/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/10/15    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/02/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/11/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/09/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/16/16    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/22/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/17/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/23/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/29/17    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/13/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/16/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/15/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 11/27/18    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 02/21/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 05/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/27/19    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 10/29/19    | Not Sampled Due to PSH in Well |         |               |                |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                   |         |               |                |            |
|-----------------|-------------|--------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                        | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 11         | 03/17/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 06/09/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 08/26/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 12/18/20    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 03/24/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 06/23/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 09/10/21    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 12/15/21    | 5.90                           | 0.00439 | 3.45          | 2.198          |            |
| MW - 11         | 02/10/22    | Not Sampled Due to PSH in Well |         |               |                |            |
| MW - 11         | 03/10/22    | 9.18                           | 0.0115  | 2.18          | 1.2698         |            |
| MW - 11         | 05/03/22    | 9.61                           | 0.00457 | 2.53          | 1.431          |            |
| MW - 11         | 08/03/22    | 7.85                           | 0.00595 | 2.40          | 1.470          |            |
| MW - 11         | 10/27/22    | 7.82                           | 0.0104  | 1.25          | 0.6923         |            |
|                 |             |                                |         |               |                |            |
| MW - 12         | 08/19/99    | 0.4340                         | 0.006   | 0.054         | 0.026          | 0.003      |
| MW - 12         | 12/08/99    | 0.6040                         | 0.012   | 0.08          | 0.03           | 0.004      |
| MW - 12         | 03/24/00    | 0.0120                         | 0.002   | <0.001        | 0.004          | 0.001      |
| MW - 12         | 06/14/00    | 0.0090                         | <0.001  | 0.001         | <0.001         | <0.001     |
| MW - 12         | 09/22/00    | 0.7160                         | 0.026   | 0.31          | 0.091          | 0.039      |
| MW - 12         | 12/28/00    | 0.3130                         | 0.006   | 0.063         | 0.012          | 0.004      |
| MW - 12         | 03/14/01    | 0.4240                         | 0.013   | 0.037         | 0.016          | 0.004      |
| MW - 12         | 06/06/01    | 0.4190                         | 0.013   | 0.052         | 0.04           |            |
| MW - 12         | 09/28/01    | 0.0630                         | 0.004   | 0.008         | 0.006          | 0.001      |
| MW - 12         | 11/17/01    | 0.0500                         | 0.003   | 0.006         | 0.004          | <0.001     |
| MW - 12         | 03/26/02    | 0.0020                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 12         | 06/26/02    | 0.0210                         | 0.002   | <0.001        | 0.004          | 0.001      |
| MW - 12         | 09/25/02    | 0.0600                         | 0.009   | 0.002         | 0.011          | 0.003      |
| MW - 12         | 12/09/02    | 0.0160                         | 0.006   | <0.001        | 0.008          | 0.003      |
| MW - 12         | 03/11/03    | 0.0280                         | 0.006   | <0.001        | 0.007          | 0.003      |
| MW - 12         | 06/10/03    | 0.0040                         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 12         | 09/03/03    | 0.0910                         | 0.007   | 0.018         | 0.029          | 0.006      |
| MW - 12         | 12/08/03    | <0.001                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 12         | 03/01/04    | 0.0020                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 12         | 05/19/04    | 0.0125                         | <0.001  | 0.00145       | <0.002         | <0.001     |
| MW - 12         | 08/26/04    | 0.0019                         | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 12         | 12/09/04    | 0.7180                         | <0.1    | 0.28          | 0.175          |            |
| MW - 12         | 03/17/05    | 0.3500                         | <0.005  | 0.205         | 0.0629         |            |
| MW - 12         | 06/15/05    | 0.3340                         | <0.01   | 0.168         | 0.0419         |            |
| MW - 12         | 09/14/05    | 0.2140                         | <0.005  | 0.136         | 0.0501         |            |
| MW - 12         | 12/13/05    | 0.0558                         | <0.005  | 0.0444        | 0.0145         |            |
| MW - 12         | 03/15/06    | 0.0297                         | <0.005  | 0.0171        | <0.005         |            |
| MW - 12         | 06/14/06    | 0.0123                         | <0.001  | 0.0078        | 0.0019         |            |
| MW - 12         | 09/13/06    | 0.0215                         | 0.0012  | 0.0042        | 0.0026         |            |
| MW - 12         | 12/06/06    | 0.0037                         | <0.001  | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 12         | 03/01/07    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 05/24/07    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 08/23/07    | 0.0030        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 11/08/07    | 0.0065        | <0.001   | <0.001        | 0.0065         |            |
| MW - 12         | 03/04/08    | 0.0021        | <0.001   | <0.001        | 0.001          |            |
| MW - 12         | 06/11/08    | <b>0.0148</b> | 0.0012   | <0.001        | 0.0026         |            |
| MW - 12         | 09/10/08    | 0.0066        | 0.001    | <0.001        | 0.002          |            |
| MW - 12         | 12/11/08    | 0.0065        | 0.001    | <0.001        | 0.0029         |            |
| MW - 12         | 02/27/09    | <b>0.0111</b> | <0.001   | <0.001        | 0.0237         |            |
| MW - 12         | 05/21/09    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 08/18/09    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 12/09/09    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 02/22/10    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 06/03/10    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 08/26/10    | <0.001        | <0.001   | 0.0096        | <0.001         |            |
| MW - 12         | 12/01/10    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 03/09/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 05/26/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 08/18/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 11/15/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 02/29/12    | <b>0.0107</b> | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 05/02/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 08/10/12    | <0.001        | <0.001   | <0.001        | <0.003         |            |
| MW - 12         | 11/27/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 12         | 02/22/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 05/15/13    | 0.00320       | <0.00100 | <0.00100      | 0.00140        |            |
| MW - 12         | 08/21/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 11/11/13    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 12         | 02/20/14    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 12         | 05/20/14    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 12         | 08/19/14    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 11/25/14    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 02/10/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 05/20/15    | <0.00100      | <0.00100 | <0.00100      | 0.00140        |            |
| MW - 12         | 08/13/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 11/11/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 02/02/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 05/11/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 08/09/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 11/15/16    | 0.00110       | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 12         | 02/22/17    | <0.00200      | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 12         | 05/16/17    | <0.00200      | <0.00200 | 0.00493       | 0.00482        |            |
| MW - 12         | 08/22/17    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 12         | 11/28/17    | <0.00200      | <0.00200 | <0.00200      | <0.00400       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 12         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 12         | 08/15/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 12         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 12         | 02/20/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 05/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 12/15/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 12         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 12         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 13         | 08/19/99    | <0.001                                 | <0.001   | <0.001        | 0.001          | <0.001     |
| MW - 13         | 12/08/99    | 0.0010                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 03/24/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 06/14/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 09/22/00    | 0.0010                                 | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 13         | 12/28/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 03/14/01    | 0.0020                                 | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 13         | 06/06/01    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 09/27/01    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 11/17/01    | 0.0010                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 03/26/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 06/26/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 09/25/02    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 12/09/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 03/11/03    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 06/10/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 09/03/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 13         | 12/08/03    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 13         | 03/01/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 13         | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 03/17/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/15/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 09/14/05    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 13         | 12/13/05    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 03/15/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/14/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 09/13/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/05/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 03/01/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/24/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/23/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 03/04/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/11/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/21/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 13         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/15/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/11/13    | <0.00500                               | <0.00500 | <0.00500      | <0.0150        |            |
| MW - 13         | 02/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 13         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 13         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 13         | 11/15/16    | <0.00212                               | <0.00212 | <0.00212      | <0.00212       |            |
| MW - 13         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/27/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 13         | 02/13/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/16/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 13         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 13         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 13         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 06/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 13         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 13         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 14         | 08/19/99    | 8.030                                  | 0.21     | 1.31          | 0.68           | 0.364      |
| MW - 14         | 12/08/99    | 7.970                                  | 0.022    | 1.18          | 0.459          | 0.233      |
| MW - 14         | 03/24/00    | 3.470                                  | <0.025   | 0.2           | 0.069          | 0.037      |
| MW - 14         | 06/14/00    | 1.590                                  | 0.016    | 0.106         | 0.01           | <0.010     |
| MW - 14         | 09/22/00    | 3.650                                  | <0.100   | 0.518         | 0.229          | <0.100     |
| MW - 14         | 12/28/00    | 3.970                                  | 0.003    | 0.392         | 0.239          | 0.015      |
| MW - 14         | 03/14/01    | 3.920                                  | <0.020   | 0.483         | 0.157          | <0.020     |
| MW - 14         | 06/06/01    | 5.460                                  | <0.005   | 0.695         | 0.418          |            |
| MW - 14         | 09/27/01    | 4.890                                  | <0.005   | 0.498         | 0.297          | <0.005     |
| MW - 14         | 11/17/01    | 7.140                                  | 0.03     | 0.427         | 0.413          | 0.154      |
| MW - 14         | 03/26/02    | 2.460                                  | <0.001   | 0.186         | 0.148          | 0.005      |
| MW - 14         | 06/26/02    | 5.310                                  | <0.001   | 0.495         | 0.381          | <0.001     |
| MW - 14         | 09/25/02    | 4.290                                  | <0.001   | 0.309         | 0.194          | <0.001     |
| MW - 14         | 12/10/02    | 2.370                                  | <0.002   | 0.123         | 0.097          | <0.001     |
| MW - 14         | 03/11/03    | 2.220                                  | <0.001   | 0.108         | 0.136          | 0.006      |
| MW - 14         | 06/10/03    | 3.800                                  | <0.001   | 0.180         | 0.176          | <0.001     |
| MW - 14         | 09/03/03    | 2.620                                  | <0.001   | 0.113         | 0.051          | <0.001     |
| MW - 14         | 12/08/03    | 0.922                                  | 0.057    | 0.194         | 0.095          | 0.047      |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b     |         |               |                |            |
|-----------------|-------------|------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE          | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 14         | 03/01/04    | 3.410            | <0.001  | 0.160         | 0.051          | <0.001     |
| MW - 14         | 05/19/04    | 3.020            | <0.001  | 0.096         | 0.0117         | <0.001     |
| MW - 14         | 08/26/04    | 3.590            | <0.001  | 0.176         | 0.0241         | <0.001     |
| MW - 14         | 12/09/04    | 4.650            | <0.200  | <0.2          | <0.200         |            |
| MW - 14         | 03/17/05    | 5.240            | <0.050  | 1.000         | 0.077          |            |
| MW - 14         | 06/15/05    | 3.900            | <0.100  | 0.368         | <0.100         |            |
| MW - 14         | 09/15/05    | 4.710            | <0.100  | 0.993         | <0.100         |            |
| MW - 14         | 12/13/05    | 3.910            | <0.100  | 0.943         | <0.100         |            |
| MW - 14         | 03/15/06    | 3.660            | <0.200  | 0.960         | <0.200         |            |
| MW - 14         | 06/14/06    | 4.500            | <0.200  | 1.040         | <0.200         |            |
| MW - 14         | 09/14/06    | 4.960            | <0.100  | 1.210         | <0.100         |            |
| MW - 14         | 12/06/06    | 3.960            | <0.020  | 1.010         | <0.020         |            |
| MW - 14         | 03/02/07    | 0.0474           | <0.001  | 0.013         | <0.001         |            |
| MW - 14         | 05/24/07    | 5.850            | <0.020  | 0.890         | <0.020         |            |
| MW - 14         | 08/23/07    | 5.660            | <0.100  | 1.060         | <0.100         |            |
| MW - 14         | 11/08/07    | 7.310            | <0.200  | 0.875         | <0.200         |            |
| MW - 14         | 03/04/08    | 7.350            | <0.050  | 0.712         | <0.050         |            |
| MW - 14         | 06/11/08    | 5.870            | <0.050  | 0.513         | <0.050         |            |
| MW - 14         | 09/10/08    | 6.900            | <0.050  | 0.375         | <0.050         |            |
| MW - 14         | 12/11/08    | 5.930            | <0.050  | 0.382         | <0.050         |            |
| MW - 14         | 02/26/09    | Well Not Sampled |         |               |                |            |
| MW - 14         | 05/22/09    | 5.110            | <0.005  | 0.286         | <0.005         |            |
| MW - 14         | 08/18/09    | 3.500            | <0.050  | 0.236         | <0.050         |            |
| MW - 14         | 12/10/09    | 5.400            | <0.050  | 0.277         | <0.050         |            |
| MW - 14         | 02/22/10    | 5.560            | <0.050  | 0.224         | <0.050         |            |
| MW - 14         | 06/03/10    | 5.380            | <0.050  | 0.159         | <0.050         |            |
| MW - 14         | 08/26/10    | 6.140            | <0.050  | <0.0500       | <0.050         |            |
| MW - 14         | 12/01/10    | 6.460            | <0.050  | 0.362         | <0.050         |            |
| MW - 14         | 03/09/11    | 6.360            | <0.050  | 0.671         | <0.050         |            |
| MW - 14         | 05/26/11    | 6.680            | <0.050  | 0.456         | <0.050         |            |
| MW - 14         | 08/19/11    | 6.080            | <0.050  | <0.050        | <0.050         |            |
| MW - 14         | 11/15/11    | 4.280            | <0.050  | <0.050        | <0.050         |            |
| MW - 14         | 02/29/12    | 3.710            | <0.050  | <0.050        | <0.050         |            |
| MW - 14         | 05/02/12    | 3.830            | <0.050  | 0.581         | <0.050         |            |
| MW - 14         | 08/10/12    | 6.400            | <0.100  | <0.100        | <0.300         |            |
| MW - 14         | 11/27/12    | 2.590            | <0.05   | <0.05         | <0.05          |            |
| MW - 14         | 02/22/13    | 2.53             | <0.0200 | 0.200         | <0.0200        |            |
| MW - 14         | 05/15/13    | 2.41             | <0.0100 | 0.154         | <0.0100        |            |
| MW - 14         | 08/21/13    | 2.20             | <0.0500 | <0.0500       | <0.0500        |            |
| MW - 14         | 11/11/13    | 2.34             | <0.0500 | <0.0500       | <0.0500        |            |
| MW - 14         | 02/20/14    | 2.60             | <0.0500 | <0.0500       | <0.150         |            |
| MW - 14         | 05/20/14    | 1.58             | <0.100  | <0.100        | <0.300         |            |
| MW - 14         | 08/19/14    | 2.34             | <0.0500 | <0.0500       | <0.0500        |            |
| MW - 14         | 11/26/14    | 2.37             | <0.100  | <0.100        | <0.100         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 14         | 02/10/15    | 2.42         | <0.100   | <0.100        | <0.100         |            |
| MW - 14         | 05/20/15    | 2.19         | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 14         | 08/13/15    | 2.39         | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 14         | 11/11/15    | 2.05         | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 14         | 02/02/16    | 1.85         | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 14         | 05/11/16    | 2.10         | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 14         | 08/09/16    | 1.23         | <0.0100  | 0.0528        | <0.0100        |            |
| MW - 14         | 11/16/16    | 1.47         | <0.0100  | <0.0100       | <0.0100        |            |
| MW - 14         | 02/22/17    | 1.90         | <0.0200  | <0.0200       | <0.0200        |            |
| MW - 14         | 05/17/17    | 1.91         | <0.00200 | 0.0179        | <0.00400       |            |
| MW - 14         | 08/23/17    | 2.02         | <0.00200 | 0.00601       | <0.00400       |            |
| MW - 14         | 11/29/17    | 0.0665       | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 14         | 02/21/18    | 0.0692       | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 14         | 05/17/18    | 0.851        | <0.00200 | 0.00350       | <0.00400       |            |
| MW - 14         | 08/16/18    | 0.382        | <0.0100  | <0.00500      | 0.0118         |            |
| MW - 14         | 11/29/18    | 0.285        | <0.0100  | 0.0107        | <0.0200        |            |
| MW - 14         | 02/21/19    | 0.266        | <0.00100 | 0.00495       | 0.01344        |            |
| MW - 14         | 05/30/19    | 0.402        | <0.00500 | <0.00500      | <0.0100        |            |
| MW - 14         | 08/28/19    | 0.107        | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 14         | 10/31/19    | 0.191        | <0.00100 | <0.00100      | 0.00545        |            |
| MW - 14         | 03/18/20    | 0.204        | <0.00100 | 0.00895       | <0.00200       |            |
| MW - 14         | 06/09/20    | 0.111        | 0.00418  | 0.0181        | 0.00904        |            |
| MW - 14         | 08/26/20    | 0.0723       | 0.00203  | <0.00100      | 0.00191        |            |
| MW - 14         | 12/18/20    | 0.0295       | 0.00142  | <0.00100      | <0.00200       |            |
| MW - 14         | 03/24/21    | 0.0341       | 0.00102  | <0.00100      | <0.00200       |            |
| MW - 14         | 06/23/21    | 0.0131       | 0.00170  | 0.00448       | 0.00200        |            |
| MW - 14         | 09/10/21    | 0.00313      | 0.00224  | 0.00358       | 0.00626        |            |
| MW - 14         | 12/15/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 14         | 02/10/22    | <0.00100     | 0.00101  | 0.00487       | <0.00200       |            |
| MW - 14         | 03/09/22    | <0.00100     | 0.00100  | 0.00481       | <0.00200       |            |
| MW - 14         | 05/03/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 14         | 08/03/22    | 0.00119      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 14         | 10/27/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 08/19/99    | 0.0310       | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 15         | 12/08/99    | <0.001       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 03/24/00    | 0.0010       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 06/14/00    | 0.0060       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 09/22/00    | 0.0110       | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 15         | 12/28/00    | 0.0280       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 03/14/01    | 0.0230       | <0.001   | 0.003         | <0.001         | <0.001     |
| MW - 15         | 06/06/01    | 0.0210       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 09/27/01    | 0.0080       | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 15         | 11/17/01    | 0.0400       | <0.001   | 0.003         | 0.001          | <0.001     |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 15         | 03/26/02    | 0.0060                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 06/26/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 09/25/02    | 0.0020                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 12/09/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 03/11/03    | 0.0040                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 15         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 15         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 15         | 05/19/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 15         | 08/26/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 15         | 12/09/04    | 0.0027                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 03/17/05    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 06/15/05    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 09/14/05    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 12/14/05    | <0.005                                 | <0.005  | <0.005        | <0.005         |            |
| MW - 15         | 03/15/06    | <0.005                                 | <0.005  | <0.005        | <0.005         |            |
| MW - 15         | 06/14/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 09/13/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 12/05/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 03/01/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 05/24/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 08/23/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 03/04/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 06/10/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 09/10/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 15         | 12/11/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 02/26/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 05/21/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 08/18/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 12/09/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 02/22/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 06/03/10    | 0.0021                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 08/26/10    | 0.0034                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 12/01/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 03/09/11    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 05/26/11    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 08/18/11    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 11/15/11    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 02/29/12    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 05/02/12    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 15         | 08/10/12    | <0.001                                 | <0.001  | <0.001        | <0.003         |            |
| MW - 15         | 11/27/12    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 15         | 02/22/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 05/15/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 08/21/13    | 0.00330                                | 0.0103   | 0.00320       | 0.0213         |            |
| MW - 15         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 15         | 02/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 15         | 05/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 15         | 08/19/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 11/26/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 08/13/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 11/11/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 02/02/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 05/11/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 08/09/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 11/16/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 15         | 02/21/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 15         | 05/16/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 15         | 08/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 15         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 15         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 15         | 08/15/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 15         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 15         | 02/20/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 05/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 15         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 12/15/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 05/03/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 15         | 08/02/22    | <0.00100                               | 0.0606   | <0.00100      | <0.00200       |            |
| MW - 15         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 16         | 08/19/99    | <b>0.0650</b>                          | 0.004    | 0.002         | 0.002          | <0.001     |
| MW - 16         | 12/08/99    | <b>0.0550</b>                          | 0.025    | 0.005         | 0.005          | 0.002      |
| MW - 16         | 03/24/00    | <b>0.1080</b>                          | 0.028    | 0.005         | 0.005          | 0.002      |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |         |               |                |            |
|-----------------|-------------|--------------|---------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 16         | 06/14/00    | 0.0170       | 0.002   | <0.001        | 0.001          | <0.001     |
| MW - 16         | 09/22/00    | 0.0360       | 0.003   | <0.001        | <0.001         | <0.001     |
| MW - 16         | 12/28/00    | 0.0430       | 0.032   | 0.007         | 0.004          | 0.002      |
| MW - 16         | 03/14/01    | 0.0570       | 0.036   | 0.015         | 0.006          | 0.002      |
| MW - 16         | 06/06/01    | 0.0440       | 0.016   | 0.017         | 0.035          |            |
| MW - 16         | 09/27/01    | 0.0440       | 0.027   | 0.012         | 0.005          | 0.002      |
| MW - 16         | 11/17/01    | 0.0390       | 0.025   | 0.015         | 0.008          | 0.004      |
| MW - 16         | 03/26/02    | 0.0210       | 0.004   | 0.004         | 0.002          | <0.001     |
| MW - 16         | 06/26/02    | 0.1050       | 0.02    | 0.028         | 0.004          | 0.002      |
| MW - 16         | 09/25/02    | 0.2010       | 0.072   | 0.03          | 0.013          | 0.005      |
| MW - 16         | 12/10/02    | 0.0490       | 0.026   | 0.016         | 0.005          | 0.002      |
| MW - 16         | 03/11/03    | 0.1820       | 0.149   | 0.036         | 0.028          | 0.014      |
| MW - 16         | 06/10/03    | 0.1860       | 0.007   | 0.117         | 0.016          | 0.007      |
| MW - 16         | 09/03/03    | 0.2590       | 0.065   | 0.109         | 0.034          | 0.012      |
| MW - 16         | 12/08/03    | 0.0420       | 0.003   | 0.009         | 0.002          | 0.001      |
| MW - 16         | 03/01/04    | 0.0750       | 0.001   | 0.075         | 0.013          | 0.002      |
| MW - 16         | 05/19/04    | 0.0807       | 0.0109  | 0.0687        | 0.0141         | 0.00263    |
| MW - 16         | 08/26/04    | 0.1890       | 0.0047  | 0.046         | 0.0134         | <0.001     |
| MW - 16         | 12/09/04    | 0.0680       | 0.0046  | 0.0354        | <0.001         |            |
| MW - 16         | 03/17/05    | 0.0911       | 0.0388  | 0.0355        | 0.0118         |            |
| MW - 16         | 06/15/05    | 0.1740       | 0.0372  | 0.106         | 0.0268         |            |
| MW - 16         | 09/15/05    | 0.1420       | <0.1    | <0.1          | <0.1           |            |
| MW - 16         | 12/13/05    | 0.2610       | 0.177   | 0.0809        | 0.0369         |            |
| MW - 16         | 03/15/06    | 0.1930       | 0.113   | 0.065         | 0.0347         |            |
| MW - 16         | 06/14/06    | 0.1060       | 0.0713  | 0.0304        | 0.0201         |            |
| MW - 16         | 09/13/06    | 0.0964       | 0.0842  | 0.0267        | 0.0202         |            |
| MW - 16         | 12/06/06    | 0.0250       | <0.001  | 0.0063        | 0.0013         |            |
| MW - 16         | 03/01/07    | 0.0105       | 0.0106  | 0.0028        | 0.0045         |            |
| MW - 16         | 05/24/07    | 0.0165       | 0.0088  | 0.0028        | 0.0032         |            |
| MW - 16         | 08/23/07    | 0.0439       | 0.0254  | 0.0064        | 0.0084         |            |
| MW - 16         | 11/08/07    | 0.0862       | 0.0737  | 0.0123        | 0.0173         |            |
| MW - 16         | 03/04/08    | 0.0209       | 0.0193  | 0.0051        | 0.008          |            |
| MW - 16         | 06/11/08    | 0.0605       | 0.0476  | 0.0129        | 0.0183         |            |
| MW - 16         | 09/10/08    | 0.0278       | 0.0248  | 0.0071        | 0.0093         |            |
| MW - 16         | 12/11/08    | 0.0427       | 0.0494  | 0.0108        | 0.0168         |            |
| MW - 16         | 02/27/09    | 0.0481       | 0.0666  | 0.018         | 0.0379         |            |
| MW - 16         | 05/21/09    | 0.0432       | 0.0509  | 0.0101        | 0.0219         |            |
| MW - 16         | 08/18/09    | 0.0063       | 0.0057  | <0.001        | 0.0067         |            |
| MW - 16         | 12/10/09    | 0.0033       | 0.0022  | 0.0027        | <0.001         |            |
| MW - 16         | 02/22/10    | 0.0283       | 0.324   | 0.0068        | 0.0125         |            |
| MW - 16         | 06/03/10    | 0.0053       | 0.0065  | <0.001        | 0.0031         |            |
| MW - 16         | 08/26/10    | 0.0035       | 0.0018  | <0.001        | <0.001         |            |
| MW - 16         | 12/01/10    | 0.0076       | 0.0097  | 0.0038        | 0.0091         |            |
| MW - 16         | 03/09/11    | <0.001       | <0.001  | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |          |               |                |            |
|-----------------|-------------|---------------|----------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 16         | 05/26/11    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 16         | 08/18/11    | 0.0049        | <0.001   | <0.001        | <0.001         |            |
| MW - 16         | 11/15/11    | 0.0059        | 0.0054   | <0.001        | 0.0026         |            |
| MW - 16         | 02/29/12    | <b>0.0203</b> | 0.0261   | <0.001        | 0.025          |            |
| MW - 16         | 05/02/12    | <b>0.0284</b> | 0.036    | 0.01          | 0.0197         |            |
| MW - 16         | 08/10/12    | <b>0.0070</b> | 0.0071   | 0.0058        | 0.0131         |            |
| MW - 16         | 11/27/12    | <0.001        | <0.001   | <0.001        | <0.001         |            |
| MW - 16         | 02/22/13    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 16         | 05/15/13    | <b>0.0156</b> | 0.0256   | 0.00560       | 0.00950        |            |
| MW - 16         | 08/21/13    | <b>0.0167</b> | 0.0190   | 0.00180       | 0.00330        |            |
| MW - 16         | 11/11/13    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 16         | 02/26/14    | <0.00100      | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 16         | 05/20/14    | 0.00140       | 0.00170  | <0.00100      | <0.00300       |            |
| MW - 16         | 08/19/14    | <b>0.181</b>  | 0.221    | 0.0390        | 0.0649         |            |
| MW - 16*        | 09/09/14    | <b>0.0655</b> | 0.0815   | 0.0145        | 0.0258         |            |
| MW - 16         | 11/26/14    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 16         | 02/10/15    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 16         | 05/20/15    | <0.00100      | 0.00130  | <0.00100      | <0.00100       |            |
| MW - 16         | 08/13/15    | <b>0.0110</b> | 0.0142   | 0.00310       | 0.00590        |            |
| MW - 16         | 11/11/15    | 0.0020        | 0.00210  | <0.00100      | <0.00100       |            |
| MW - 16         | 02/02/16    | <0.00100      | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 16         | 05/11/16    | 0.00590       | 0.00620  | 0.00150       | 0.00160        |            |
| MW - 16         | 08/09/16    | 0.00190       | 0.00280  | 0.00120       | 0.00120        |            |
| MW - 16         | 11/16/16    | <b>0.0125</b> | 0.00390  | <0.00100      | 0.00260        |            |
| MW - 16         | 02/22/17    | 0.00504       | 0.00670  | <0.00200      | 0.00269        |            |
| MW - 16         | 05/17/17    | 0.00546       | 0.00725  | <0.00200      | <0.00400       |            |
| MW - 16         | 08/23/17    | 0.00667       | 0.00803  | 0.00298       | 0.00579        |            |
| MW - 16         | 11/29/17    | 0.00753       | 0.00427  | 0.00245       | <0.00400       |            |
| MW - 16         | 02/14/18    | 0.00510       | 0.00130  | <0.00100      | <0.00200       |            |
| MW - 16         | 06/14/18    | 0.00663       | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 16         | 08/16/18    | 0.00497       | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 16         | 02/20/19    | DRY           |          |               |                |            |
| MW - 16         | 05/29/19    | DRY           |          |               |                |            |
| MW - 16         | 08/27/19    | DRY           |          |               |                |            |
| MW - 16         | 10/29/19    | DRY           |          |               |                |            |
| MW - 16         | 03/17/20    | DRY           |          |               |                |            |
| MW - 16         | 06/09/20    | DRY           |          |               |                |            |
| MW - 16         | 08/26/20    | DRY           |          |               |                |            |
| MW - 16         | 12/18/20    | DRY           |          |               |                |            |
| MW - 16         | 03/24/21    | DRY           |          |               |                |            |
| MW - 16         | 06/23/21    | DRY           |          |               |                |            |
| MW - 16         | 09/09/21    | DRY           |          |               |                |            |
| MW - 16         | 12/15/21    | DRY           |          |               |                |            |
| MW - 16         | 02/10/22    | DRY           |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b  |         |               |                |            |
|-----------------|-------------|---------------|---------|---------------|----------------|------------|
|                 |             | BENZENE       | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 16         | 05/04/22    | DRY           |         |               |                |            |
| MW - 16         | 08/02/22    | DRY           |         |               |                |            |
| MW - 16         | 10/27/22    | DRY           |         |               |                |            |
|                 |             |               |         |               |                |            |
| MW - 17         | 08/19/99    | <b>0.0100</b> | 0.016   | 0.008         | <0.001         | 0.004      |
| MW - 17         | 12/08/99    | <b>0.0660</b> | 0.068   | 0.027         | 0.019          | 0.009      |
| MW - 17         | 03/24/00    | <b>0.0550</b> | 0.063   | 0.023         | 0.017          | 0.007      |
| MW - 17         | 06/14/00    | <b>0.0190</b> | 0.023   | 0.011         | 0.007          | 0.004      |
| MW - 17         | 09/22/00    | <b>0.0580</b> | 0.059   | 0.029         | 0.014          | 0.006      |
| MW - 17         | 12/28/00    | <b>0.0650</b> | 0.08    | 0.024         | 0.014          | 0.007      |
| MW - 17         | 03/14/01    | <b>0.0450</b> | 0.057   | 0.023         | 0.013          | 0.006      |
| MW - 17         | 06/06/01    | <b>0.0960</b> | 0.058   | 0.0282        | 0.042          |            |
| MW - 17         | 09/27/01    | <b>0.0640</b> | 0.09    | 0.05          | 0.029          | 0.014      |
| MW - 17         | 11/17/01    | <b>0.0260</b> | 0.041   | 0.023         | 0.013          | 0.006      |
| MW - 17         | 03/26/02    | <b>0.0120</b> | 0.022   | 0.012         | 0.008          | 0.003      |
| MW - 17         | 06/26/02    | <b>0.0160</b> | 0.021   | 0.014         | 0.007          | 0.004      |
| MW - 17         | 09/25/02    | <b>0.0380</b> | 0.039   | 0.025         | 0.014          | 0.005      |
| MW - 17         | 12/10/02    | 0.0080        | 0.013   | 0.008         | 0.005          | 0.003      |
| MW - 17         | 03/11/03    | <b>0.0220</b> | 0.027   | 0.013         | 0.010          | 0.006      |
| MW - 17         | 06/10/03    | 0.0030        | 0.003   | 0.002         | 0.001          | <0.001     |
| MW - 17         | 09/03/03    | 0.0080        | 0.004   | 0.003         | 0.002          | <0.001     |
| MW - 17         | 12/08/03    | <0.001        | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 17         | 03/01/04    | 0.0050        | 0.005   | 0.003         | 0.003          | 0.001      |
| MW - 17         | 05/19/04    | 0.0037        | 0.00431 | 0.00244       | <0.002         | <0.001     |
| MW - 17         | 08/26/04    | 0.0023        | 0.00108 | <0.001        | <0.002         | <0.001     |
| MW - 17         | 12/09/04    | 0.0052        | 0.0025  | 0.0011        | 0.0017         |            |
| MW - 17         | 03/17/05    | 0.0051        | 0.002   | 0.0013        | 0.0017         |            |
| MW - 17         | 06/15/05    | <b>0.0195</b> | 0.0148  | 0.0063        | 0.0093         |            |
| MW - 17         | 09/14/05    | <b>0.0170</b> | 0.014   | 0.0076        | 0.0123         |            |
| MW - 17         | 12/13/05    | <b>0.0194</b> | 0.019   | 0.0086        | 0.0115         |            |
| MW - 17         | 03/15/06    | <b>0.0196</b> | 0.0158  | 0.0077        | 0.0131         |            |
| MW - 17         | 06/14/06    | <b>0.0224</b> | 0.0148  | 0.0072        | 0.0137         |            |
| MW - 17         | 09/13/06    | <b>0.0108</b> | 0.0068  | 0.0029        | 0.0064         |            |
| MW - 17         | 12/06/06    | 0.0086        | 0.0047  | 0.002         | 0.0048         |            |
| MW - 17         | 03/01/07    | 0.0054        | 0.0043  | 0.0022        | 0.0067         |            |
| MW - 17         | 05/24/07    | <0.001        | 0.0046  | <0.001        | 0.0067         |            |
| MW - 17         | 08/23/07    | 0.0089        | 0.0027  | 0.0017        | 0.0034         |            |
| MW - 17         | 11/08/07    | 0.0027        | <0.001  | <0.001        | 0.0014         |            |
| MW - 17         | 03/04/08    | 0.0041        | 0.0026  | 0.0011        | 0.0044         |            |
| MW - 17         | 06/11/08    | <b>0.0384</b> | 0.0077  | 0.0018        | 0.0105         |            |
| MW - 17         | 09/10/08    | <b>0.0214</b> | 0.0075  | 0.0065        | 0.0081         |            |
| MW - 17         | 12/11/08    | 0.0057        | <0.001  | <0.001        | 0.0038         |            |
| MW - 17         | 02/26/09    | <b>0.0173</b> | 0.0119  | 0.0092        | 0.0258         |            |
| MW - 17         | 05/21/09    | 0.0053        | <0.001  | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 17         | 08/18/09    | 0.0035                                 | <0.001   | <0.001        | 0.0064         |            |
| MW - 17         | 12/10/09    | 0.0015                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 02/22/10    | <b>0.0143</b>                          | <0.001   | <0.001        | 0.0056         |            |
| MW - 17         | 06/03/10    | 0.0062                                 | 0.0019   | <0.001        | <0.001         |            |
| MW - 17         | 08/26/10    | 0.0036                                 | 0.0011   | <0.001        | 0.0017         |            |
| MW - 17         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 03/09/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 08/18/11    | 0.0053                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 11/15/11    | <b>0.0108</b>                          | <0.001   | <0.001        | 0.0029         |            |
| MW - 17         | 02/29/12    | <b>0.0112</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 05/02/12    | 0.0091                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 08/10/12    | 0.0089                                 | <0.001   | <0.001        | <0.003         |            |
| MW - 17         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 17         | 02/22/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 17         | 05/16/13    | 0.00470                                | 0.00230  | <0.00100      | 0.00350        |            |
| MW - 17         | 08/21/13    | 0.00220                                | <0.00100 | <0.00100      | 0.00190        |            |
| MW - 17         | 11/11/13    | 0.00270                                | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 17         | 02/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 17         | 05/20/14    | <b>0.0122</b>                          | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 17         | 08/19/14    | <b>0.0114</b>                          | 0.00420  | 0.00130       | 0.00940        |            |
| MW - 17         | 11/26/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 17         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 17         | 05/20/15    | 0.00150                                | <0.00100 | <0.00100      | 0.00200        |            |
| MW - 17         | 08/13/15    | 0.00110                                | <0.00100 | <0.00100      | 0.00250        |            |
| MW - 17         | 11/11/15    | 0.00220                                | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 17         | 02/02/16    | 0.00230                                | <0.00100 | <0.00100      | 0.00210        |            |
| MW - 17         | 05/11/16    | 0.00100                                | <0.00100 | <0.00100      | 0.00140        |            |
| MW - 17         | 08/09/16    | 0.00450                                | 0.00100  | <0.00100      | 0.00250        |            |
| MW - 17         | 11/16/16    | 0.00340                                | 0.00100  | <0.00100      | 0.00270        |            |
| MW - 17         | 02/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 17         | 05/16/17    | 0.00456                                | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 17         | 08/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 17         | 11/29/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 17         | 02/14/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 17         | 08/16/18    | 0.00188                                | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 17         | 11/28/18    | 0.00122                                | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 17         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 08/28/19    | 0.00116                                | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 10/31/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 17         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 12/15/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 02/10/22    | 0.00191                                | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 17         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 17         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 18         | 08/19/99    | <0.001                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 18         | 12/08/99    | 0.0040                                 | <0.001   | 0.002         | 0.002          | <0.001     |
| MW - 18         | 03/24/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 06/14/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 09/22/00    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 12/28/00    | 0.0070                                 | <0.001   | 0.002         | 0.001          | <0.001     |
| MW - 18         | 03/14/01    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 06/06/01    | 0.0050                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 09/27/01    | 0.0010                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 11/17/01    | 0.0030                                 | <0.001   | 0.002         | 0.001          | <0.001     |
| MW - 18         | 03/26/02    | 0.0040                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 18         | 06/26/02    | 0.0010                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 18         | 09/25/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 12/10/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 03/11/03    | 0.0020                                 | 0.001    | <0.001        | <0.001         | <0.001     |
| MW - 18         | 06/10/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 09/03/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 18         | 12/08/03    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 18         | 03/01/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 18         | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 03/17/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 06/15/05    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 09/14/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 12/13/05    | <0.005                                 | <0.005   | <0.005        | <0.005         |            |
| MW - 18         | 03/15/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 06/14/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 09/13/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 12/05/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 03/01/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 06/21/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 08/23/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 03/04/08    | Not Sampled on Current Sample Schedule |          |               |                |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 18         | 06/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/21/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 06/03/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/02/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 18         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/16/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/11/13    | <0.00500                               | <0.00500 | <0.00500      | <0.0150        |            |
| MW - 18         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 18         | 08/28/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/11/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 18         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/16/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 18         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 18         | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 18         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 18         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 18         | 05/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 18         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 18         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 18         | 06/09/20    | DRY                                    |          |               |                |            |
| MW - 18         | 08/26/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 18         | 12/17/20    | DRY                                    |          |               |                |            |
| MW - 18         | 03/22/21    | DRY                                    |          |               |                |            |
| MW - 18         | 06/23/21    | DRY                                    |          |               |                |            |
| MW - 18         | 09/09/21    | DRY                                    |          |               |                |            |
| MW - 18         | 12/15/21    | DRY                                    |          |               |                |            |
| MW - 18         | 02/10/22    | DRY                                    |          |               |                |            |
| MW - 18         | 05/03/22    | DRY                                    |          |               |                |            |
| MW - 18         | 08/02/22    | DRY                                    |          |               |                |            |
| MW - 18         | 10/27/22    | DRY                                    |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 19         | 08/19/99    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 12/08/99    | 0.0080                                 | 0.001    | 0.002         | 0.002          | <0.001     |
| MW - 19         | 03/24/00    | 0.0030                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 06/14/00    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 09/22/00    | 0.0020                                 | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 19         | 12/28/00    | <b>0.0120</b>                          | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 19         | 03/14/01    | 0.0080                                 | <0.001   | 0.002         | <0.001         | <0.001     |
| MW - 19         | 06/06/01    | 0.0060                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 09/27/01    | 0.0010                                 | <0.001   | 0.001         | <0.001         | <0.001     |
| MW - 19         | 11/17/01    | 0.0050                                 | <0.001   | 0.003         | 0.001          | <0.001     |
| MW - 19         | 03/26/02    | <b>0.0130</b>                          | <0.001   | 0.004         | <0.001         | <0.001     |
| MW - 19         | 06/26/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 09/25/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 12/10/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 03/11/03    | 0.0040                                 | 0.001    | 0.001         | <0.001         | <0.001     |
| MW - 19         | 06/10/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 09/03/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 19         | 12/08/03    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 19         | 03/01/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 19         | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 03/17/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 06/15/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 09/14/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 12/13/05    | <0.005                                 | <0.005   | <0.005        | <0.005         |            |
| MW - 19         | 03/15/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 06/14/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 09/13/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 12/06/06    | <0.001                                 | <0.001   | <0.001        | 0.0024         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 19         | 03/01/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/24/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/23/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 03/04/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 06/11/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/21/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 19         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 19         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 19         | 02/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 19         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 19         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 19         | 11/27/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 19         | 02/14/18    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 05/16/18    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 08/15/18    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 11/27/18    | <0.00100                               | <0.0100 | <0.00500      | <0.0200        |            |
| MW - 19         | 02/20/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 05/29/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 08/27/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 10/29/19    | DRY                                    |         |               |                |            |
| MW - 19         | 03/17/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 06/09/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 08/25/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 19         | 12/17/20    | DRY                                    |         |               |                |            |
| MW - 19         | 03/22/21    | DRY                                    |         |               |                |            |
| MW - 19         | 06/23/21    | DRY                                    |         |               |                |            |
| MW - 19         | 09/09/21    | DRY                                    |         |               |                |            |
| MW - 19         | 12/14/21    | DRY                                    |         |               |                |            |
| MW - 19         | 02/10/22    | DRY                                    |         |               |                |            |
| MW - 19         | 05/03/22    | DRY                                    |         |               |                |            |
| MW - 19         | 08/02/22    | DRY                                    |         |               |                |            |
| MW - 19         | 10/27/22    | DRY                                    |         |               |                |            |
|                 |             |                                        |         |               |                |            |
| MW - 20         | 08/20/99    | 0.0020                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 12/08/99    | 0.0050                                 | <0.001  | 0.002         | 0.001          | <0.001     |
| MW - 20         | 03/24/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 06/14/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 09/22/00    | 0.0020                                 | <0.001  | 0.001         | <0.001         | <0.001     |
| MW - 20         | 12/28/00    | 0.0050                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 03/14/01    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 06/06/01    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 20         | 09/27/01    | 0.0040                                 | <0.001  | 0.003         | <0.001         | <0.001     |
| MW - 20         | 11/17/01    | 0.0070                                 | <0.001  | 0.003         | 0.001          | <0.001     |
| MW - 20         | 03/26/02    | 0.0030                                 | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 20         | 06/26/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 09/25/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 12/10/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 03/11/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 20         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 20         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 20         | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 20         | 09/14/05    | Plugged and Abandoned                  |         |               |                |            |
|                 |             |                                        |         |               |                |            |
| MW - 21         | 08/20/99    | 0.7010                                 | <0.01   | <0.01         | <0.001         | <0.001     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 21         | 12/08/99    | 0.0520                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 03/24/00    | 0.0020                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 06/14/00    | 0.0020                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 09/22/00    | 0.0020                                 | <0.001  | 0.001         | <0.001         | <0.001     |
| MW - 21         | 12/28/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 03/14/01    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 06/06/01    | <0.005                                 | <0.005  | <0.005        | <0.005         |            |
| MW - 21         | 09/27/01    | 0.0030                                 | <0.001  | 0.003         | <0.001         | <0.001     |
| MW - 21         | 11/17/01    | 0.0140                                 | <0.001  | 0.006         | 0.002          | <0.001     |
| MW - 21         | 03/26/02    | 0.0040                                 | <0.001  | 0.003         | <0.001         | <0.001     |
| MW - 21         | 06/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 09/25/02    | 0.0010                                 | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 21         | 12/10/02    | 0.0010                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 03/11/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 06/10/03    | <0.001                                 | <0.001  | 0.001         | <0.001         | <0.001     |
| MW - 21         | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 21         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 21         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 21         | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 06/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 09/14/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 12/13/05    | <0.005                                 | <0.005  | <0.005        | <0.005         |            |
| MW - 21         | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 06/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 09/13/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 01/03/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 03/01/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 05/24/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 08/23/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 03/04/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 06/11/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 09/10/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 12/11/08    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 02/26/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 05/21/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 08/18/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 12/09/09    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 02/22/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 06/03/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 08/26/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 21         | 12/01/10    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 21         | 03/09/11    | Not Sampled on Current Sample Schedule |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 21         | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/18/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 21         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 21         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 21         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 21         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 21         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 21         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 21         | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/16/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 21         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 21         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 21         | 12/17/20    | DRY                                    |          |               |                |            |
| MW - 21         | 03/22/21    | DRY                                    |          |               |                |            |
| MW - 21         | 06/23/21    | DRY                                    |          |               |                |            |
| MW - 21         | 09/09/21    | DRY                                    |          |               |                |            |
| MW - 21         | 12/15/21    | DRY                                    |          |               |                |            |
| MW - 21         | 02/10/22    | DRY                                    |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b          |         |               |                |            |
|-----------------|-------------|-----------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE               | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 21         | 05/03/22    | DRY                   |         |               |                |            |
| MW - 21         | 08/02/22    | DRY                   |         |               |                |            |
| MW - 21         | 10/27/22    | DRY                   |         |               |                |            |
|                 |             |                       |         |               |                |            |
| MW - 22         | 08/19/99    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 12/08/99    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 03/24/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 06/14/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 09/22/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 12/08/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 03/14/01    | 0.0080                | <0.001  | 0.004         | <0.001         | <0.001     |
| MW - 22         | 06/06/01    | 0.0060                | <0.001  | <0.001        | <0.001         |            |
| MW - 22         | 09/27/01    | 0.0060                | <0.001  | 0.003         | <0.001         | <0.001     |
| MW - 22         | 11/17/01    | 0.0070                | <0.001  | 0.004         | 0.001          | <0.001     |
| MW - 22         | 03/26/02    | 0.0020                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 06/26/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 09/25/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 12/09/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 03/11/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 06/10/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 09/03/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 22         | 12/08/03    | <0.001                | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 22         | 03/01/04    | <0.001                | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 22         | 12/09/04    | <0.001                | <0.001  | <0.001        | <0.001         |            |
| MW - 22         | 09/14/05    | Plugged and Abandoned |         |               |                |            |
|                 |             |                       |         |               |                |            |
| MW - 23         | 08/19/99    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 12/08/99    | 0.0020                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 03/24/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 06/14/00    | 0.0070                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 09/22/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 12/28/00    | 0.0010                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 03/14/01    | 0.0010                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 06/06/01    | 0.0057                | <0.001  | <0.001        | <0.001         |            |
| MW - 23         | 09/28/01    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 11/17/01    | 0.0040                | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 23         | 03/26/02    | 0.0030                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 06/26/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 09/25/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 12/09/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 03/11/03    | <b>0.0160</b>         | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 06/10/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 09/03/03    | 0.0050                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 23         | 12/08/03    | <0.001                | <0.001  | <0.001        | <0.002         | <0.001     |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 23         | 03/01/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 23         | 05/19/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 23         | 08/26/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 23         | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 03/17/05    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 06/15/05    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 09/14/05    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 12/14/05    | <0.005                                 | <0.005   | <0.005        | <0.005         |            |
| MW - 23         | 03/15/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 06/14/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 09/13/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 12/05/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 03/01/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 05/24/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 08/23/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 03/04/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 06/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 09/10/08    | 0.0017                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 02/26/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 05/21/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 08/18/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 02/22/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 06/03/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 08/26/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 03/09/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 08/18/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 02/29/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 05/02/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 08/10/12    | <0.001                                 | <0.001   | <0.001        | <0.003         |            |
| MW - 23         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 23         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 23         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 23         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 23         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 23         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 23         | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/16/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 11/27/18    | <0.00100                               | <0.0500  | <0.0250       | <0.100         |            |
| MW - 23         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 23         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 12/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 23         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 06/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 23         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 23         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 24         | 08/19/99    | 2.2900                                 | <0.001   | 0.023         | 0.01           | <0.001     |
| MW - 24         | 12/08/99    | 0.8390                                 | 0.007    | 0.002         | 0.006          | 0.002      |
| MW - 24         | 03/24/00    | 0.7620                                 | <0.010   | <0.010        | <0.010         | <0.010     |
| MW - 24         | 06/14/00    | 0.8870                                 | 0.013    | 0.004         | 0.004          | 0.002      |
| MW - 24         | 09/22/00    | 0.6630                                 | 0.012    | 0.004         | 0.003          | 0.002      |
| MW - 24         | 12/28/00    | 1.3800                                 | <0.010   | <0.010        | <0.010         | <0.010     |
| MW - 24         | 03/14/01    | 1.8100                                 | 0.045    | 0.019         | <0.010         | 0.012      |
| MW - 24         | 06/06/01    | 0.9090                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 09/28/01    | 1.4700                                 | 0.024    | 0.015         | 0.008          | 0.005      |
| MW - 24         | 11/17/01    | 0.9860                                 | 0.004    | 0.011         | 0.004          | 0.001      |
| MW - 24         | 03/26/02    | 0.8390                                 | 0.002    | 0.005         | 0.002          | <0.001     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 24         | 06/26/02    | 0.8700       | 0.003    | 0.008         | 0.002          | <0.001     |
| MW - 24         | 09/25/02    | 1.0800       | 0.017    | 0.014         | 0.009          | 0.003      |
| MW - 24         | 12/10/02    | 1.3900       | 0.021    | 0.012         | 0.007          | 0.002      |
| MW - 24         | 03/11/03    | 0.4930       | 0.046    | 0.015         | 0.018          | 0.008      |
| MW - 24         | 06/10/03    | 0.5740       | 0.002    | 0.002         | 0.002          | <0.001     |
| MW - 24         | 09/03/03    | 0.3480       | 0.004    | 0.004         | 0.003          | 0.001      |
| MW - 24         | 12/08/03    | 0.7410       | 0.006    | 0.011         | 0.005          | 0.001      |
| MW - 24         | 03/01/04    | 0.4630       | 0.017    | 0.019         | 0.009          | 0.002      |
| MW - 24         | 05/19/04    | 0.3570       | 0.00259  | 0.00216       | <0.002         | <0.001     |
| MW - 24         | 08/26/04    | 0.3890       | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 24         | 12/09/04    | 0.0054       | 0.0016   | 0.0011        | <0.001         |            |
| MW - 24         | 03/17/05    | 0.0178       | 0.0031   | 0.0023        | 0.002          |            |
| MW - 24         | 06/15/05    | 0.2730       | 0.0101   | 0.0182        | <0.01          |            |
| MW - 24         | 09/15/05    | 0.3540       | <0.001   | 0.0152        | 0.0018         |            |
| MW - 24         | 12/13/05    | 0.4460       | <0.005   | 0.0149        | <0.005         |            |
| MW - 24         | 03/15/06    | 0.3030       | 0.0116   | 0.0176        | <0.01          |            |
| MW - 24         | 06/14/06    | 0.3390       | 0.0215   | 0.0261        | 0.022          |            |
| MW - 24         | 09/13/06    | 0.2070       | 0.0192   | 0.0209        | 0.0175         |            |
| MW - 24         | 12/06/06    | 0.1050       | <0.001   | 0.0023        | <0.001         |            |
| MW - 24         | 03/01/07    | 0.0656       | <0.01    | <0.01         | <0.01          |            |
| MW - 24         | 05/24/07    | 0.0449       | <0.001   | 0.0029        | <0.001         |            |
| MW - 24         | 08/23/07    | <0.01        | <0.01    | <0.01         | <0.01          |            |
| MW - 24         | 11/08/07    | 0.0216       | 0.0278   | 0.0187        | 0.0238         |            |
| MW - 24         | 03/04/08    | 0.0022       | 0.005    | 0.005         | 0.0067         |            |
| MW - 24         | 06/11/08    | 0.0139       | 0.0225   | 0.0176        | 0.0202         |            |
| MW - 24         | 09/10/08    | 0.0023       | 0.0048   | 0.0053        | 0.0071         |            |
| MW - 24         | 12/11/08    | 0.0037       | 0.0072   | 0.0064        | 0.008          |            |
| MW - 24         | 02/26/09    | 0.0178       | 0.0282   | 0.0262        | 0.0448         |            |
| MW - 24         | 05/21/09    | 0.0058       | 0.0076   | 0.0073        | 0.0137         |            |
| MW - 24         | 08/18/09    | 0.0027       | 0.0041   | 0.0047        | 0.0081         |            |
| MW - 24         | 12/09/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 02/22/10    | 0.0031       | 0.0051   | 0.0054        | 0.009          |            |
| MW - 24         | 06/03/10    | 0.0034       | 0.0033   | 0.0057        | 0.0047         |            |
| MW - 24         | 08/26/10    | <0.001       | <0.001   | <0.001        | <0.0010        |            |
| MW - 24         | 12/01/10    | <0.001       | <0.001   | <0.001        | <0.0010        |            |
| MW - 24         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.0010        |            |
| MW - 24         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 08/18/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 11/15/11    | <0.001       | 0.0018   | 0.0024        | 0.0033         |            |
| MW - 24         | 02/29/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 05/02/12    | 0.0046       | 0.0059   | 0.0076        | 0.0168         |            |
| MW - 24         | 08/10/12    | <0.001       | <0.001   | 0.0061        | 0.0142         |            |
| MW - 24         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 24         | 02/22/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 24         | 05/15/13    | 0.00220                                | 0.00460  | 0.00870       | 0.0157         |            |
| MW - 24         | 08/21/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 24         | 02/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 24         | 05/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 24         | 08/28/14    | <0.00100                               | 0.00120  | 0.00240       | 0.00410        |            |
| MW - 24         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 08/13/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 11/11/15    | <0.00100                               | <0.00100 | 0.00380       | 0.0064         |            |
| MW - 24         | 02/02/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 06/02/16    | <0.00100                               | 0.00530  | 0.00200       | 0.0111         |            |
| MW - 24         | 08/09/16    | 0.00100                                | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 24         | 11/16/16    | <b>0.0270</b>                          | <0.00100 | 0.0226        | <0.00100       |            |
| MW - 24         | 02/22/17    | 0.00611                                | <0.00200 | 0.0114        | 0.00381        |            |
| MW - 24         | 05/17/17    | <0.00200                               | <0.00200 | 0.0131        | 0.00894        |            |
| MW - 24         | 08/23/17    | <0.00200                               | <0.00200 | 0.0142        | <0.00400       |            |
| MW - 24         | 11/29/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 24         | 02/14/18    | <0.00100                               | <0.00100 | 0.00100       | <0.00200       |            |
| MW - 24         | 05/17/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 24         | 08/16/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 24         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 24         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 08/28/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | 0.00200        |            |
| MW - 24         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 08/26/20    | <0.00100                               | <0.00100 | <0.00100      | 0.00200        |            |
| MW - 24         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 24         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 24         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 25         | 08/19/99    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 25         | 12/08/99    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/24/00    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 25         | 06/14/00    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 25         | 09/22/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 12/28/00    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/14/01    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 06/06/01    | 0.0070                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 09/28/01    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 11/17/01    | 0.0060                                 | <0.001  | 0.003         | <0.001         | <0.001     |
| MW - 25         | 03/26/02    | 0.0050                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 06/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 09/25/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 12/09/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/11/03    | 0.0020                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 09/03/03    | 0.0030                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 25         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 25         | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 06/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 09/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 12/13/05    | <0.005                                 | <0.005  | <0.005        | <0.005         | <0.005     |
| MW - 25         | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 06/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 09/13/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 12/06/06    | <0.001                                 | 0.0016  | <0.001        | 0.0017         | <0.001     |
| MW - 25         | 03/01/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 05/24/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 08/23/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/04/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 06/11/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 09/10/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 12/11/08    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 02/26/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 05/21/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 08/18/09    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 12/09/09    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 02/22/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 06/03/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 08/26/10    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 12/01/10    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 25         | 03/09/11    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 05/26/11    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 08/18/11    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 25         | 11/22/11    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 25         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 25         | 02/22/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 25         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 25         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 25         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 06/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 25         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 25         | 02/14/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/17/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 25         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 10/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 25         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 12/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 25         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 06/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 25         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 25         | 10/26/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |         |               |                |            |
|-----------------|-------------|--------------|---------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
|                 |             |              |         |               |                |            |
| MW - 26         | 06/03/00    | 0.0200       | 0.003   | 0.002         | 0.002          | 0.001      |
| MW - 26         | 09/22/00    | 0.0210       | 0.041   | 0.008         | 0.013          | 0.006      |
| MW - 26         | 12/28/00    | 0.3860       | 0.13    | 0.04          | 0.025          | 0.014      |
| MW - 26         | 03/14/01    | 0.7310       | 0.267   | 0.16          | 0.075          | 0.031      |
| MW - 26         | 06/06/01    | 1.0100       | 0.263   | 0.179         | 0.204          |            |
| MW - 26         | 09/28/01    | 1.7000       | 0.469   | 0.441         | 0.201          | 0.084      |
| MW - 26         | 11/17/01    | 1.6000       | 0.534   | 0.417         | 0.24           | 0.081      |
| MW - 26         | 03/26/02    | 1.6900       | 0.547   | 0.361         | 0.213          | 0.086      |
| MW - 26         | 06/26/02    | 0.7800       | 0.259   | 0.223         | 0.118          | 0.053      |
| MW - 26         | 09/25/02    | 1.4200       | 0.551   | 0.384         | 0.196          | 0.074      |
| MW - 26         | 12/10/02    | 1.3900       | 0.691   | 0.155         | 0.182          | 0.1        |
| MW - 26         | 03/11/03    | 0.7530       | 0.104   | 0.146         | 0.071          | 0.034      |
| MW - 26         | 06/10/03    | 0.8360       | 0.051   | 0.168         | 0.094          | 0.039      |
| MW - 26         | 09/03/03    | 0.7760       | 0.048   | 0.229         | 0.111          | 0.045      |
| MW - 26         | 12/08/03    | 1.1700       | 0.045   | 0.249         | 0.079          | 0.043      |
| MW - 26         | 03/01/04    | 0.4980       | 0.034   | 0.116         | 0.058          | 0.022      |
| MW - 26         | 05/19/04    | 0.6450       | 0.0332  | 0.121         | 0.058          | 0.0218     |
| MW - 26         | 08/26/04    | 0.8890       | 0.0157  | 0.0971        | 0.058          | 0.00668    |
| MW - 26         | 12/09/04    | 0.0619       | 0.0339  | 0.017         | 0.0239         |            |
| MW - 26         | 03/17/05    | 0.4150       | 0.0479  | 0.0642        | 0.0412         |            |
| MW - 26         | 06/15/05    | 0.8700       | 0.412   | 0.276         | 0.22           |            |
| MW - 26         | 09/14/05    | 1.0700       | 0.389   | 0.384         | 0.352          |            |
| MW - 26         | 12/13/05    | 0.7060       | 0.34    | 0.23          | 0.186          |            |
| MW - 26         | 03/15/06    | 0.7300       | 0.464   | 0.27          | 0.223          |            |
| MW - 26         | 06/14/06    | 0.0640       | 0.338   | 0.184         | 0.151          |            |
| MW - 26         | 09/14/06    | 0.0140       | <0.01   | <0.01         | <0.01          |            |
| MW - 26         | 12/06/06    | 0.5120       | 0.259   | 0.114         | 0.135          |            |
| MW - 26         | 03/01/07    | 0.2700       | 0.143   | 0.0868        | 0.0667         |            |
| MW - 26         | 05/24/07    | 0.3900       | 0.0842  | 0.0925        | 0.044          |            |
| MW - 26         | 08/23/07    | 0.5410       | 0.0178  | 0.144         | 0.0645         |            |
| MW - 26         | 11/08/07    | 1.3600       | 0.226   | 0.301         | 0.166          |            |
| MW - 26         | 03/04/08    | 0.8050       | 0.259   | 0.225         | 0.123          |            |
| MW - 26         | 06/11/08    | 0.0161       | 0.0753  | 0.0496        | 0.0351         |            |
| MW - 26         | 09/10/08    | 0.7440       | 0.3     | 0.204         | 0.183          |            |
| MW - 26         | 12/11/08    | 0.7190       | 0.154   | 0.128         | 0.0803         |            |
| MW - 26         | 02/27/09    | 0.5030       | 0.231   | 0.148         | 0.178          |            |
| MW - 26         | 05/22/09    | 0.3680       | 0.0556  | 0.0579        | 0.0701         |            |
| MW - 26         | 08/18/09    | 0.4220       | 0.0928  | 0.0745        | <0.0100        |            |
| MW - 26         | 12/10/09    | 0.3880       | 0.031   | 0.0408        | 0.0062         |            |
| MW - 26         | 02/22/10    | 0.3280       | 0.0917  | 0.0656        | 0.0603         |            |
| MW - 26         | 06/03/10    | 0.4020       | 0.0587  | 0.0504        | 0.0296         |            |
| MW - 26         | 08/26/10    | 0.1090       | 0.0315  | <0.001        | 0.0195         |            |
| MW - 26         | 12/01/10    | 0.2660       | 0.0136  | 0.0241        | 0.0163         |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 26         | 03/09/11    | 0.2190       | 0.008    | 0.026         | 0.025          |            |
| MW - 26         | 05/26/11    | 0.4740       | 0.0306   | 0.112         | 0.01984        |            |
| MW - 26         | 08/19/11    | 0.5800       | 0.0201   | 0.100         | 0.0579         |            |
| MW - 26         | 11/15/11    | 0.6760       | 0.240    | 0.172         | 0.082          |            |
| MW - 26         | 02/29/12    | 0.5160       | 0.102    | 0.129         | 0.133          |            |
| MW - 26         | 05/02/12    | 0.3730       | 0.120    | 0.129         | 0.109          |            |
| MW - 26         | 08/10/12    | 0.8970       | 0.0224   | 0.194         | 0.07           |            |
| MW - 26         | 11/27/12    | 0.4360       | 0.1380   | 0.113         | 0.0599         |            |
| MW - 26         | 02/22/13    | 0.288        | 0.142    | 0.136         | 0.0708         |            |
| MW - 26         | 05/16/13    | 0.468        | 0.285    | 0.173         | 0.112          |            |
| MW - 26         | 08/21/13    | 0.396        | 0.08090  | 0.0885        | 0.0305         |            |
| MW - 26         | 11/11/13    | 0.234        | 0.0300   | 0.0808        | 0.0231         |            |
| MW - 26         | 02/20/14    | 0.360        | 0.0318   | 0.114         | 0.0395         |            |
| MW - 26         | 05/20/14    | 0.210        | 0.0147   | 0.0442        | 0.0199         |            |
| MW - 26         | 08/19/14    | 0.262        | 0.0499   | 0.0852        | 0.0392         |            |
| MW - 26         | 11/26/14    | 0.276        | 0.0153   | 0.0967        | 0.0339         |            |
| MW - 26         | 02/10/15    | 0.150        | 0.00170  | 0.0200        | 0.0138         |            |
| MW - 26         | 05/20/15    | 0.142        | 0.0264   | 0.0458        | 0.0240         |            |
| MW - 26         | 08/13/15    | 0.194        | 0.0194   | 0.0646        | 0.0243         |            |
| MW - 26         | 11/11/15    | 0.151        | 0.0742   | 0.0827        | 0.0582         |            |
| MW - 26         | 02/02/16    | 0.147        | 0.0235   | 0.0671        | 0.0288         |            |
| MW - 26         | 05/11/16    | 0.147        | 0.00960  | 0.0509        | 0.024          |            |
| MW - 26         | 08/09/16    | 0.240        | 0.00330  | 0.0893        | 0.0340         |            |
| MW - 26         | 11/16/16    | 0.311        | 0.0241   | 0.125         | 0.0541         |            |
| MW - 26         | 02/22/17    | 0.324        | 0.0590   | 0.119         | 0.07427        |            |
| MW - 26         | 05/17/17    | 0.294        | 0.0519   | 0.141         | 0.0754         |            |
| MW - 26         | 08/23/17    | 0.686        | 0.0195   | 0.179         | 0.0940         |            |
| MW - 26         | 11/29/17    | 0.771        | 0.0270   | 0.126         | 0.06458        |            |
| MW - 26         | 02/14/18    | 0.291        | 0.0400   | 0.0939        | 0.0654         |            |
| MW - 26         | 05/16/18    | 0.148        | 0.00994  | 0.0374        | 0.02384        |            |
| MW - 26         | 08/16/18    | 0.161        | 0.0379   | 0.0644        | 0.0424         |            |
| MW - 26         | 11/29/18    | 0.172        | <0.0100  | 0.0152        | <0.0200        |            |
| MW - 26         | 02/21/19    | 0.0642       | 0.0116   | 0.0305        | 0.01399        |            |
| MW - 26         | 05/30/19    | 0.0505       | <0.00100 | 0.0150        | 0.00844        |            |
| MW - 26         | 08/28/19    | 0.0131       | <0.00100 | 0.00487       | 0.00247        |            |
| MW - 26         | 10/31/19    | 0.0282       | 0.0164   | 0.0193        | 0.01599        |            |
| MW - 26         | 03/18/20    | 0.0291       | 0.0178   | 0.0108        | 0.00835        |            |
| MW - 26         | 06/10/20    | 0.00417      | 0.00310  | 0.00130       | <0.00200       |            |
| MW - 26         | 08/26/20    | 0.00310      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 26         | 12/18/20    | 0.00349      | 0.00246  | <0.00100      | <0.00200       |            |
| MW - 26         | 03/24/21    | 0.0113       | 0.00562  | 0.00167       | <0.00200       |            |
| MW - 26         | 06/23/21    | 0.0206       | 0.00910  | 0.00303       | <0.00200       |            |
| MW - 26         | 09/10/21    | 0.0312       | 0.00702  | 0.00105       | <0.00200       |            |
| MW - 26         | 12/15/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b          |         |               |                |            |
|-----------------|-------------|-----------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE               | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 26         | 02/10/22    | 0.00771               | 0.0135  | 0.00796       | 0.00799        |            |
| MW - 26         | 05/04/22    | 0.00693               | 0.0112  | 0.00702       | 0.00712        |            |
| MW - 26         | 08/02/22    | 0.00529               | 0.0115  | 0.00730       | 0.00794        |            |
| MW - 26         | 10/28/22    | 0.00880               | 0.00812 | 0.00483       | 0.00552        |            |
|                 |             |                       |         |               |                |            |
| MW - 27         | 06/03/00    | 0.0010                | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 27         | 09/22/00    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 12/28/00    | 0.0030                | 0.004   | 0.002         | <0.001         | <0.001     |
| MW - 27         | 03/14/01    | <0.001                | 0.002   | <0.001        | <0.001         | <0.001     |
| MW - 27         | 06/06/01    | 0.0048                | <0.001  | <0.001        | <0.001         |            |
| MW - 27         | 09/28/01    | 0.0010                | 0.002   | 0.001         | <0.001         | <0.001     |
| MW - 27         | 11/17/01    | 0.0010                | 0.001   | 0.001         | <0.001         | <0.001     |
| MW - 27         | 03/26/02    | 0.0040                | 0.003   | 0.002         | 0.001          | <0.001     |
| MW - 27         | 06/26/02    | 0.0010                | <0.001  | 0.002         | <0.001         | <0.001     |
| MW - 27         | 09/25/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 12/10/02    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 03/11/03    | 0.0080                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 06/10/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 09/03/03    | <0.001                | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 27         | 12/08/03    | <0.001                | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 27         | 03/01/04    | <0.001                | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 27         | 12/09/04    | <0.001                | <0.001  | <0.001        | <0.001         |            |
| MW - 27         | 09/14/05    | Plugged and Abandoned |         |               |                |            |
|                 |             |                       |         |               |                |            |
| MW - 28         | 06/03/00    | <b>0.1930</b>         | 0.004   | 0.005         | 0.004          | 0.001      |
| MW - 28         | 09/22/00    | <b>1.5800</b>         | 0.059   | 0.374         | 0.192          | 0.024      |
| MW - 28         | 12/28/00    | <b>4.0800</b>         | 0.073   | 0.469         | 0.15           | 0.038      |
| MW - 28         | 03/14/01    | <b>2.7300</b>         | 0.018   | 0.212         | 0.025          | 0.02       |
| MW - 28         | 06/06/01    | <b>2.0600</b>         | 0.064   | 0.121         | 0.182          |            |
| MW - 28         | 09/28/01    | <b>2.2500</b>         | 0.027   | 0.094         | 0.037          | 0.019      |
| MW - 28         | 11/17/01    | <b>1.4900</b>         | 0.035   | 0.104         | 0.055          | 0.022      |
| MW - 28         | 03/26/02    | <b>2.1300</b>         | 0.073   | 0.226         | 0.118          | 0.043      |
| MW - 28         | 06/26/02    | <b>2.2200</b>         | 0.043   | 0.292         | 0.121          | 0.052      |
| MW - 28         | 09/25/02    | <b>3.3100</b>         | 0.06    | 0.506         | 0.257          | 0.088      |
| MW - 28         | 12/10/02    | <b>2.1200</b>         | 0.025   | 0.125         | 0.047          | 0.018      |
| MW - 28         | 03/11/03    | <b>2.0000</b>         | 0.012   | 0.487         | 0.226          | 0.076      |
| MW - 28         | 06/10/03    | <b>1.7100</b>         | 0.001   | 0.417         | 0.245          | 0.066      |
| MW - 28         | 09/03/03    | <b>1.8300</b>         | 0.001   | 0.469         | 0.216          | 0.047      |
| MW - 28         | 12/08/03    | <b>2.2800</b>         | 0.001   | 0.535         | 0.264          | 0.029      |
| MW - 28         | 03/01/04    | <b>1.4900</b>         | 0.003   | 0.484         | 0.215          | 0.031      |
| MW - 28         | 05/19/04    | <b>1.7500</b>         | 0.00248 | 0.437         | 0.217          | 0.028      |
| MW - 28         | 08/26/04    | <b>1.9500</b>         | <0.001  | 0.407         | 0.2            | 0.00344    |
| MW - 28         | 12/09/04    | <b>3.4300</b>         | 0.0381  | <b>1.79</b>   | <b>1.49</b>    |            |
| MW - 28         | 03/17/05    | <b>2.8500</b>         | <0.02   | <b>1.06</b>   | 0.53           |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b     |          |               |                |            |
|-----------------|-------------|------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE          | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 28         | 06/15/05    | 3.7400           | <0.05    | 1.29          | 0.465          |            |
| MW - 28         | 09/14/05    | 3.5900           | <0.05    | 1.27          | 0.554          |            |
| MW - 28         | 12/13/05    | 3.1100           | <0.05    | 0.868         | 0.367          |            |
| MW - 28         | 03/15/06    | 2.3100           | <0.2     | 0.572         | <0.2           |            |
| MW - 28         | 06/14/06    | 3.0900           | <0.1     | 0.589         | 0.16           |            |
| MW - 28         | 09/14/06    | 1.8200           | <0.05    | 0.165         | <0.05          |            |
| MW - 28         | 12/06/06    | 1.9400           | <0.01    | 0.446         | 0.157          |            |
| MW - 28         | 03/02/07    | 0.0408           | <0.001   | 0.0096        | 0.0025         |            |
| MW - 28         | 05/24/07    | 2.1000           | <0.005   | 0.443         | 0.0951         |            |
| MW - 28         | 08/23/07    | 1.8600           | <0.05    | 0.496         | 0.152          |            |
| MW - 28         | 11/08/07    | 2.7100           | <0.05    | 0.583         | 0.114          |            |
| MW - 28         | 03/04/08    | 1.2400           | <0.010   | 0.206         | 0.0283         |            |
| MW - 28         | 06/11/08    | 1.2600           | <0.01    | 0.185         | 0.0192         |            |
| MW - 28         | 09/10/08    | 1.3200           | <0.01    | 0.193         | 0.0346         |            |
| MW - 28         | 12/11/08    | 1.2900           | <0.010   | 0.183         | <0.010         |            |
| MW - 28         | 02/27/09    | Well Not Sampled |          |               |                |            |
| MW - 28         | 05/22/09    | 1.2500           | <0.001   | 0.158         | <0.001         |            |
| MW - 28         | 08/18/09    | 0.9530           | <0.0200  | 0.12          | <0.0200        |            |
| MW - 28         | 12/10/09    | 0.8950           | <0.010   | 0.0639        | <0.010         |            |
| MW - 28         | 02/22/10    | 0.7790           | 0.0383   | 0.8           | 0.112          |            |
| MW - 28         | 06/03/10    | 0.4420           | <0.001   | 0.0241        | <0.001         |            |
| MW - 28         | 08/26/10    | 0.9720           | <0.010   | 0.0246        | 0.0108         |            |
| MW - 28         | 12/01/10    | 1.0100           | <0.010   | 0.112         | <0.010         |            |
| MW - 28         | 03/09/11    | 1.1800           | <0.001   | 0.272         | <0.010         |            |
| MW - 28         | 05/26/11    | 1.4100           | <0.0100  | 0.31          | <0.010         |            |
| MW - 28         | 08/19/11    | 1.4300           | <0.0100  | 0.363         | <0.010         |            |
| MW - 28         | 11/15/11    | 0.8860           | <0.0100  | 0.116         | <0.010         |            |
| MW - 28         | 02/29/12    | 0.4970           | <0.010   | 0.112         | <0.010         |            |
| MW - 28         | 05/02/12    | 0.6020           | <0.010   | 0.133         | <0.010         |            |
| MW - 28         | 08/10/12    | 0.0902           | <0.001   | 0.104         | <0.003         |            |
| MW - 28         | 11/27/12    | 1.0000           | <0.002   | 0.266         | 0.0245         |            |
| MW - 28         | 02/23/13    | 0.450            | <0.0200  | 0.122         | <0.0200        |            |
| MW - 28         | 05/16/13    | 0.241            | <0.00100 | 0.0703        | 0.00730        |            |
| MW - 28         | 08/21/13    | 0.224            | <0.00100 | 0.0451        | 0.00230        |            |
| MW - 28         | 11/11/13    | 0.0962           | <0.00100 | 0.0186        | <0.00300       |            |
| MW - 28         | 02/20/14    | 0.114            | <0.00100 | 0.0267        | <0.00300       |            |
| MW - 28         | 05/20/14    | 0.109            | <0.00100 | 0.0264        | <0.00300       |            |
| MW - 28         | 08/19/14    | 0.243            | <0.00100 | 0.0772        | 0.00720        |            |
| MW - 28         | 11/26/14    | 0.126            | <0.00100 | 0.0217        | 0.0114         |            |
| MW - 28         | 02/10/15    | 0.0603           | <0.00100 | 0.00990       | <0.00100       |            |
| MW - 28         | 05/20/15    | 0.0454           | <0.00100 | 0.0160        | 0.00220        |            |
| MW - 28         | 08/13/15    | 0.0455           | <0.00100 | 0.0104        | 0.00110        |            |
| MW - 28         | 11/11/15    | 0.0547           | <0.00100 | 0.0163        | 0.00290        |            |
| MW - 28         | 02/02/16    | 0.0426           | <0.00100 | 0.0270        | 0.00300        |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 28         | 05/11/16    | 0.0450       | <0.00100 | 0.0111        | 0.00180        |            |
| MW - 28         | 08/09/16    | 0.0313       | <0.00100 | 0.0108        | 0.00140        |            |
| MW - 28         | 11/16/16    | 0.0977       | <0.00100 | 0.0507        | 0.0100         |            |
| MW - 28         | 02/22/17    | 0.169        | 0.0171   | 0.0362        | 0.03177        |            |
| MW - 28         | 05/17/17    | 0.0580       | <0.00200 | 0.0173        | 0.00660        |            |
| MW - 28         | 08/23/17    | 0.106        | <0.00200 | 0.0439        | 0.0113         |            |
| MW - 28         | 11/29/17    | 0.0613       | <0.00200 | 0.00968       | 0.00563        |            |
| MW - 28         | 02/14/18    | 0.0104       | <0.00100 | 0.00200       | <0.00200       |            |
| MW - 28         | 05/17/18    | 0.0121       | <0.00200 | 0.00417       | <0.00400       |            |
| MW - 28         | 08/16/18    | 0.00591      | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 28         | 11/29/18    | 0.0216       | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 28         | 02/21/19    | 0.00402      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 05/30/19    | 0.00446      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 08/28/19    | 0.00285      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 10/31/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 03/18/20    | 0.00477      | <0.00100 | 0.00160       | <0.00200       |            |
| MW - 28         | 06/10/20    | 0.00148      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 08/26/20    | 0.00240      | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 12/18/20    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 03/23/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 06/23/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 09/10/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 12/15/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 02/10/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 05/04/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 08/02/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 28         | 10/28/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 03/26/02    | 2.340        | 0.002    | 0.102         | 0.016          | 0.001      |
| MW - 29         | 06/26/02    | 1.660        | 0.001    | 0.109         | 0.026          | <0.001     |
| MW - 29         | 09/25/02    | 4.330        | 0.001    | 0.087         | 0.019          | <0.001     |
| MW - 29         | 12/10/02    | 5.660        | 0.003    | 0.014         | 0.005          | <0.001     |
| MW - 29         | 03/11/03    | 3.330        | <0.001   | 0.074         | 0.016          | <0.001     |
| MW - 29         | 06/10/03    | 3.000        | <0.001   | 0.031         | 0.007          | <0.001     |
| MW - 29         | 09/03/03    | 2.880        | <0.001   | 0.039         | 0.005          | <0.001     |
| MW - 29         | 12/08/03    | 3.550        | <0.001   | 0.035         | 0.002          | <0.001     |
| MW - 29         | 03/01/04    | 2.800        | <0.001   | 0.038         | 0.003          | <0.001     |
| MW - 29         | 05/19/04    | 2.550        | <0.001   | 0.0327        | 0.00215        | <0.001     |
| MW - 29         | 08/26/04    | 2.360        | <0.001   | 0.0183        | <0.002         | <0.001     |
| MW - 29         | 12/09/04    | 1.470        | <0.001   | 0.0103        | <0.001         |            |
| MW - 29         | 03/17/05    | 1.520        | <0.010   | <0.010        | <0.010         |            |
| MW - 29         | 06/15/05    | 1.140        | <0.020   | <0.020        | <0.020         |            |
| MW - 29         | 09/14/05    | 1.680        | <0.050   | <0.050        | <0.050         |            |
| MW - 29         | 12/13/05    | 1.520        | <0.020   | <0.020        | <0.020         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b     |          |               |                |            |
|-----------------|-------------|------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE          | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 29         | 03/15/06    | 1.580            | <0.050   | <0.050        | <0.050         |            |
| MW - 29         | 06/14/06    | 1.690            | <0.020   | <0.020        | <0.020         |            |
| MW - 29         | 09/14/06    | 1.670            | <0.020   | <0.020        | <0.020         |            |
| MW - 29         | 12/06/06    | 1.300            | <0.01    | 0.0161        | <0.010         |            |
| MW - 29         | 03/02/07    | 1.220            | <0.020   | 0.044         | <0.020         |            |
| MW - 29         | 05/24/07    | 1.490            | <0.01    | 0.103         | <0.010         |            |
| MW - 29         | 08/23/07    | 1.140            | <0.020   | 0.155         | 0.0301         |            |
| MW - 29         | 11/08/07    | 1.240            | <0.020   | 0.24          | 0.0541         |            |
| MW - 29         | 03/04/08    | 1.320            | <0.010   | 0.447         | 0.0785         |            |
| MW - 29         | 06/11/08    | 1.240            | <0.010   | 0.464         | 0.0729         |            |
| MW - 29         | 09/10/08    | 1.300            | <0.010   | 0.452         | 0.0575         |            |
| MW - 29         | 12/11/08    | 1.170            | 0.0106   | 0.434         | 0.0584         |            |
| MW - 29         | 02/27/09    | Well Not Sampled |          |               |                |            |
| MW - 29         | 05/22/09    | 1.160            | <0.001   | 0.313         | 0.132          |            |
| MW - 29         | 08/18/09    | 1.180            | <0.010   | 0.316         | 0.0768         |            |
| MW - 29         | 12/10/09    | 1.000            | <0.010   | 0.236         | <0.010         |            |
| MW - 29         | 02/22/10    | 0.854            | <0.010   | 0.152         | <0.010         |            |
| MW - 29         | 06/03/10    | 0.812            | <0.010   | 0.134         | <0.010         |            |
| MW - 29         | 08/26/10    | 0.743            | <0.010   | 0.102         | <0.010         |            |
| MW - 29         | 12/01/10    | 0.556            | <0.010   | 0.112         | <0.010         |            |
| MW - 29         | 03/09/11    | 0.790            | <0.010   | 0.14          | <0.010         |            |
| MW - 29         | 05/26/11    | 0.791            | <0.010   | 0.0968        | <0.010         |            |
| MW - 29         | 08/19/11    | 0.767            | <0.010   | 0.0578        | <0.010         |            |
| MW - 29         | 11/15/11    | 0.833            | <0.010   | 0.0435        | <0.010         |            |
| MW - 29         | 02/29/12    | 0.509            | <0.010   | <0.010        | <0.010         |            |
| MW - 29         | 05/02/12    | 1.020            | <0.010   | <0.010        | <0.010         |            |
| MW - 29         | 08/10/12    | 0.0359           | <0.02    | <0.02         | <0.06          |            |
| MW - 29         | 11/27/12    | 0.5320           | <0.005   | <0.005        | <0.005         |            |
| MW - 29         | 02/23/13    | 0.486            | <0.0100  | <0.0100       | <0.0100        |            |
| MW - 29         | 05/16/13    | 0.524            | <0.00500 | 0.0182        | 0.00640        |            |
| MW - 29         | 08/21/13    | 0.351            | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 29         | 11/11/13    | 0.321            | <0.00100 | 0.00720       | <0.00300       |            |
| MW - 29         | 02/20/14    | 0.356            | <0.0500  | <0.0500       | <0.150         |            |
| MW - 29         | 05/20/14    | 0.395            | <0.00100 | 0.00240       | <0.00300       |            |
| MW - 29         | 08/19/14    | 0.272            | <0.00100 | 0.00260       | 0.00210        |            |
| MW - 29         | 11/26/14    | 0.534            | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 29         | 02/10/15    | 0.0810           | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 29         | 05/20/15    | 0.0243           | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 29         | 08/13/15    | 0.0131           | <0.00100 | 0.00120       | <0.00100       |            |
| MW - 29         | 11/11/15    | 0.0162           | <0.00100 | 0.00200       | <0.00100       |            |
| MW - 29         | 02/02/16    | 0.0148           | <0.00100 | 0.00170       | <0.00100       |            |
| MW - 29         | 05/11/16    | 0.00200          | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 29         | 08/09/16    | 0.00240          | <0.00100 | 0.00100       | <0.00100       |            |
| MW - 29         | 11/15/16    | <0.00100         | <0.00100 | <0.00100      | <0.00100       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 29         | 02/21/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 29         | 05/16/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 29         | 08/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 29         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 29         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 29         | 08/15/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 29         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 29         | 02/20/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 05/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 08/26/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 06/23/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 05/04/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 29         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 29         | 10/28/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 30         | 03/26/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 06/26/02    | 0.0020                                 | 0.003    | 0.002         | 0.002          | <0.001     |
| MW - 30         | 09/25/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 12/10/02    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 03/11/03    | 0.0020                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 06/10/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 09/03/03    | <0.001                                 | <0.001   | <0.001        | <0.001         | <0.001     |
| MW - 30         | 12/08/03    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 30         | 03/01/04    | <0.001                                 | <0.001   | <0.001        | <0.002         | <0.001     |
| MW - 30         | 12/09/04    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 03/17/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 06/15/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 09/14/05    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 12/13/05    | <0.005                                 | <0.005   | <0.005        | <0.005         |            |
| MW - 30         | 03/15/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 06/14/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 09/14/06    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 12/06/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 03/02/07    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 30         | 05/24/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/23/07    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 03/04/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 06/11/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/22/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/19/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 30         | 02/23/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/11/13    | <0.00500                               | <0.00500 | <0.00500      | <0.0150        |            |
| MW - 30         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 30         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 30         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 30         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 30         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 30         | 02/13/18    | Not Sampled on Current Sample Schedule |          |               |                |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |         |               |                |            |
|-----------------|-------------|----------------------------------------|---------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 30         | 05/16/18    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 08/15/18    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 11/27/18    | <0.00100                               | <0.0100 | <0.00500      | <0.0200        |            |
| MW - 30         | 02/20/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 05/29/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 08/27/19    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 10/29/19    | DRY                                    |         |               |                |            |
| MW - 30         | 03/17/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 06/09/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 08/25/20    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 30         | 12/17/20    | DRY                                    |         |               |                |            |
| MW - 30         | 03/24/21    | DRY                                    |         |               |                |            |
| MW - 30         | 06/22/21    | DRY                                    |         |               |                |            |
| MW - 30         | 09/09/21    | DRY                                    |         |               |                |            |
| MW - 30         | 12/15/21    | DRY                                    |         |               |                |            |
| MW - 30         | 02/10/22    | DRY                                    |         |               |                |            |
| MW - 30         | 05/03/22    | DRY                                    |         |               |                |            |
| MW - 30         | 08/02/22    | DRY                                    |         |               |                |            |
| MW - 30         | 10/27/22    | DRY                                    |         |               |                |            |
|                 |             |                                        |         |               |                |            |
| MW - 31         | 03/26/02    | 0.0020                                 | 0.001   | <0.001        | <0.001         | <0.001     |
| MW - 31         | 06/26/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 31         | 09/25/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 31         | 12/10/02    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 31         | 03/11/03    | 0.0040                                 | <0.001  | 0.001         | <0.001         | <0.001     |
| MW - 31         | 06/10/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 31         | 09/03/03    | <0.001                                 | <0.001  | <0.001        | <0.001         | <0.001     |
| MW - 31         | 12/08/03    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 31         | 03/01/04    | <0.001                                 | <0.001  | <0.001        | <0.002         | <0.001     |
| MW - 31         | 12/09/04    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 31         | 03/17/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 06/15/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 09/14/05    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 12/13/05    | <0.005                                 | <0.005  | <0.005        | <0.005         |            |
| MW - 31         | 03/15/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 06/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 09/14/06    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 12/06/06    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 31         | 03/02/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 05/24/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 08/23/07    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 11/08/07    | <0.001                                 | <0.001  | <0.001        | <0.001         |            |
| MW - 31         | 03/04/08    | Not Sampled on Current Sample Schedule |         |               |                |            |
| MW - 31         | 06/11/08    | Not Sampled on Current Sample Schedule |         |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 31         | 09/10/08    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 31         | 02/26/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/22/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/18/09    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 31         | 02/22/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 06/03/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/26/10    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 31         | 03/09/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/26/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/19/11    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 31         | 02/29/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/02/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/10/12    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 31         | 02/23/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/16/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/21/13    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 31         | 02/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/20/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/19/14    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 31         | 02/10/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/20/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/13/15    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 31         | 02/02/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/11/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/09/16    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 31         | 02/21/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/16/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/22/17    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 31         | 02/13/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/16/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/15/18    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 11/27/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 31         | 02/20/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/29/19    | Not Sampled on Current Sample Schedule |          |               |                |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 31         | 08/27/19    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 31         | 03/17/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 12/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 31         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 06/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 12/15/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 31         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 08/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 31         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 32         | 11/10/04    | 2.330                                  | <0.050   | <0.050        | <0.050         |            |
| MW - 32         | 03/17/05    | 5.990                                  | 0.43     | 0.781         | 0.476          |            |
| MW - 32         | 06/15/05    | 6.230                                  | 0.112    | 0.637         | 0.196          |            |
| MW - 32         | 09/14/05    | 7.020                                  | 0.26     | 1.17          | 0.397          |            |
| MW - 32         | 12/13/05    | 6.030                                  | 0.392    | 0.955         | 0.29           |            |
| MW - 32         | 03/15/06    | 5.140                                  | <0.200   | 0.586         | <0.200         |            |
| MW - 32         | 06/14/06    | 4.560                                  | 0.2      | 0.225         | <0.200         |            |
| MW - 32         | 09/14/06    | 3.050                                  | 0.0592   | 0.0778        | <0.05          |            |
| MW - 32         | 12/06/06    | 3.140                                  | 0.0409   | 0.0521        | 0.0428         |            |
| MW - 32         | 03/02/07    | 0.028                                  | 0.0014   | 0.0018        | 0.0012         |            |
| MW - 32         | 05/24/07    | 4.090                                  | 0.0912   | 0.127         | 0.0749         |            |
| MW - 32         | 08/23/07    | 3.560                                  | <0.100   | <0.100        | <0.100         |            |
| MW - 32         | 11/08/07    | 1.170                                  | <0.020   | <0.020        | <0.020         |            |
| MW - 32         | 03/04/08    | 3.590                                  | 0.103    | 0.13          | 0.106          |            |
| MW - 32         | 06/11/08    | 2.750                                  | 0.204    | 0.21          | 0.167          |            |
| MW - 32         | 09/10/08    | 2.820                                  | 0.0618   | 0.154         | 0.114          |            |
| MW - 32         | 12/11/08    | 2.290                                  | <0.020   | 0.0907        | 0.0534         |            |
| MW - 32         | 02/26/09    | Well Not Sampled                       |          |               |                |            |
| MW - 32         | 05/22/09    | 2.430                                  | 0.115    | 0.166         | 0.257          |            |
| MW - 32         | 08/18/09    | 1.850                                  | <0.010   | 0.0577        | <0.010         |            |
| MW - 32         | 12/10/09    | 1.660                                  | 0.0126   | 0.0478        | <0.010         |            |
| MW - 32         | 02/22/10    | 1.580                                  | <0.010   | 0.0562        | 0.681          |            |
| MW - 32         | 06/03/10    | 1.170                                  | 0.025    | 0.0322        | 0.0391         |            |
| MW - 32         | 08/26/10    | 0.960                                  | <0.0100  | <0.0100       | <0.0100        |            |
| MW - 32         | 12/01/10    | 1.120                                  | <0.0100  | 0.0431        | <0.0100        |            |
| MW - 32         | 03/09/11    | 1.650                                  | <0.0100  | 0.136         | <0.0100        |            |
| MW - 32         | 05/26/11    | 1.670                                  | <0.0100  | 0.0888        | <0.0100        |            |
| MW - 32         | 08/19/11    | 1.710                                  | <0.0100  | 0.0657        | <0.0100        |            |
| MW - 32         | 11/15/11    | 1.840                                  | 0.0424   | 0.0816        | 0.0368         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 32         | 02/29/12    | 0.998        | <0.010   | <0.010        | <0.010         |            |
| MW - 32         | 05/02/12    | 1.150        | 0.0686   | 0.114         | 0.159          |            |
| MW - 32         | 08/10/12    | 1.780        | <0.02    | <0.02         | <0.06          |            |
| MW - 32         | 11/27/12    | 0.960        | 0.0281   | 0.0557        | 0.0334         |            |
| MW - 32         | 02/23/13    | 0.954        | <0.0200  | <0.0200       | <0.0200        |            |
| MW - 32         | 05/16/13    | 0.954        | 0.0398   | 0.0945        | 0.0627         |            |
| MW - 32         | 08/21/13    | 0.998        | <0.0100  | 0.0259        | <0.0100        |            |
| MW - 32         | 11/11/13    | 1.01         | <0.0500  | 0.0837        | <0.150         |            |
| MW - 32         | 02/20/14    | 0.849        | <0.0500  | <0.0500       | <0.150         |            |
| MW - 32         | 05/20/14    | 0.857        | <0.0500  | 0.0535        | <0.150         |            |
| MW - 32         | 08/19/14    | 1.01         | <0.0500  | 0.0761        | <0.0500        |            |
| MW - 32         | 11/26/14    | 0.914        | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 32         | 02/10/15    | 0.515        | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 32         | 05/20/15    | 0.587        | <0.0500  | 0.0520        | 0.0783         |            |
| MW - 32         | 08/13/15    | 0.511        | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 32         | 11/11/15    | 0.386        | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 32         | 02/02/16    | 0.535        | <0.0500  | <0.0500       | <0.0500        |            |
| MW - 32         | 05/11/16    | 0.170        | 0.00190  | 0.00650       | 0.00630        |            |
| MW - 32         | 08/09/16    | 0.302        | 0.00140  | 0.0157        | 0.00630        |            |
| MW - 32         | 11/16/16    | 0.174        | 0.00910  | 0.0273        | 0.0199         |            |
| MW - 32         | 02/22/17    | 0.0447       | <0.00200 | 0.0162        | 0.00558        |            |
| MW - 32         | 05/17/17    | 0.185        | 0.0122   | 0.0308        | 0.01529        |            |
| MW - 32         | 08/23/17    | 0.297        | 0.00728  | 0.0340        | 0.01617        |            |
| MW - 32         | 11/29/17    | 0.122        | <0.00200 | 0.00869       | 0.0036         |            |
| MW - 32         | 02/14/18    | 0.0332       | 0.00720  | 0.0163        | 0.03680        |            |
| MW - 32         | 05/17/18    | 0.0285       | 0.00484  | 0.00936       | 0.01604        |            |
| MW - 32         | 08/16/18    | 0.0296       | 0.0119   | 0.0277        | 0.0323         |            |
| MW - 32         | 11/29/18    | 0.0235       | <0.0100  | 0.0107        | <0.0200        |            |
| MW - 32         | 02/21/19    | 0.00726      | 0.00315  | 0.00963       | 0.01080        |            |
| MW - 32         | 05/30/19    | 0.00376      | 0.00145  | 0.00296       | 0.00603        |            |
| MW - 32         | 08/28/19    | 0.00211      | 0.00108  | 0.00261       | 0.00222        |            |
| MW - 32         | 10/31/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 32         | 03/18/20    | 0.0180       | 0.00726  | 0.0129        | 0.01879        |            |
| MW - 32         | 06/10/20    | 0.0101       | 0.00612  | 0.0129        | 0.02218        |            |
| MW - 32         | 08/26/20    | 0.0223       | 0.0112   | 0.0264        | 0.03967        |            |
| MW - 32         | 12/18/20    | 0.00984      | 0.00264  | 0.00604       | 0.00690        |            |
| MW - 32         | 03/24/21    | 0.00934      | 0.00450  | 0.00915       | 0.01757        |            |
| MW - 32         | 06/23/21    | 0.00884      | 0.00346  | 0.00893       | 0.01194        |            |
| MW - 32         | 09/10/21    | 0.00260      | 0.00240  | 0.00310       | 0.00566        |            |
| MW - 32         | 12/15/21    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 32         | 02/10/22    | 0.00320      | 0.00141  | 0.00463       | 0.00612        |            |
| MW - 32         | 03/09/22    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 32         | 05/03/22    | 0.00182      | 0.00250  | 0.0148        | 0.02260        |            |
| MW - 32         | 08/03/22    | 0.00247      | 0.00347  | 0.0175        | 0.02823        |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 32         | 10/27/22    | 0.00261      | 0.00362  | 0.0202        | 0.03010        |            |
|                 |             |              |          |               |                |            |
| MW - 33         | 11/10/04    | <0.005       | <0.005   | <0.005        | <0.005         |            |
| MW - 33         | 03/17/05    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 06/15/05    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 09/14/05    | <0.005       | <0.005   | <0.005        | <0.005         |            |
| MW - 33         | 12/14/05    | <0.005       | <0.005   | <0.005        | <0.005         |            |
| MW - 33         | 03/15/06    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 06/14/06    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 09/13/06    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 12/05/06    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 03/01/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 05/24/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 08/23/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 11/08/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 03/04/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 06/11/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 09/10/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 12/11/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 02/26/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 05/21/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 08/18/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 12/09/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 02/22/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 06/03/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 08/26/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 12/01/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 08/18/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 11/15/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 02/29/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 05/02/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 08/10/12    | <0.001       | <0.001   | <0.001        | <0.003         |            |
| MW - 33         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 33         | 02/23/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 05/16/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 08/21/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 11/11/13    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 33         | 02/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 33         | 05/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 33         | 08/19/14    | <0.00100     | <0.00100 | <0.000100     | <0.00100       |            |
| MW - 33         | 11/25/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 02/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 33         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 08/12/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 02/02/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 05/10/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 08/09/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 33         | 02/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 33         | 05/16/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 33         | 08/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 33         | 11/28/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 33         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 05/16/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 33         | 08/15/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 33         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 33         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 05/29/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 33         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 33         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 03/15/06    | <b>0.0847</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 06/14/06    | <b>0.4200</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 09/14/06    | <b>0.7330</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 12/06/06    | <b>0.3790</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 03/01/07    | <b>0.0444</b>                          | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 05/24/07    | <b>0.7200</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 08/23/07    | <b>0.4410</b>                          | <0.01    | <0.01         | <0.01          |            |
| MW - 34         | 11/08/07    | <b>1.0900</b>                          | <0.01    | <0.01         | <0.01          |            |
| MW - 34         | 03/04/08    | <b>0.9540</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 06/11/08    | <b>0.6790</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 09/10/08    | <b>0.4360</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 12/11/08    | <b>0.2430</b>                          | <0.005   | <0.005        | <0.005         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 34         | 02/27/09    | 0.4200       | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 05/22/09    | 0.0296       | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 08/18/09    | 0.0156       | <0.005   | <0.005        | <0.005         |            |
| MW - 34         | 12/10/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 02/22/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 06/03/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 08/26/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 12/01/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 08/18/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 11/15/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 02/29/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 05/02/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 08/10/12    | <0.001       | <0.001   | <0.001        | <0.003         |            |
| MW - 34         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 34         | 02/23/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 05/16/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 08/21/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 11/11/13    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 34         | 02/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 34         | 05/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 34         | 08/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 11/25/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 02/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 05/20/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 08/12/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 11/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 02/02/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 05/10/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 08/08/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 11/15/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 34         | 02/22/17    | <0.00200     | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 34         | 05/17/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 34         | 08/22/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 34         | 11/28/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 34         | 02/13/18    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 05/16/18    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 34         | 08/15/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 34         | 11/28/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 34         | 02/21/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 05/29/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 08/27/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 10/30/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 34         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 34         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 34         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 35         | 03/15/06    | 0.3940                                 | 0.0667   | 0.154         | 0.186          |            |
| MW - 35         | 06/14/06    | 0.3620                                 | 0.0137   | 0.0583        | 0.0709         |            |
| MW - 35         | 09/14/06    | 0.6850                                 | <0.01    | 0.068         | 0.0626         |            |
| MW - 35         | 12/06/06    | 0.1680                                 | 0.0054   | 0.04          | 0.0421         |            |
| MW - 35         | 03/01/07    | 0.0738                                 | 0.001    | 0.006         | 0.006          |            |
| MW - 35         | 05/24/07    | 0.2460                                 | <0.001   | 0.0105        | 0.0147         |            |
| MW - 35         | 08/23/07    | 0.0687                                 | 0.0025   | 0.0144        | 0.0187         |            |
| MW - 35         | 11/08/07    | 0.1090                                 | 0.0181   | 0.072         | 0.102          |            |
| MW - 35         | 03/04/08    | 0.1410                                 | 0.0219   | 0.112         | 0.118          |            |
| MW - 35         | 06/11/08    | 0.2850                                 | 0.0226   | 0.13          | 0.129          |            |
| MW - 35         | 09/10/08    | 0.0496                                 | 0.0057   | 0.0269        | 0.0418         |            |
| MW - 35         | 12/11/08    | 0.0931                                 | 0.0116   | 0.0504        | 0.0942         |            |
| MW - 35         | 02/27/09    | 0.0500                                 | 0.0126   | 0.0305        | 0.0711         |            |
| MW - 35         | 05/22/09    | 0.0560                                 | 0.0066   | 0.0208        | 0.0208         |            |
| MW - 35         | 08/18/09    | 0.0236                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 35         | 12/10/09    | 0.0098                                 | <0.001   | <0.001        | 0.002          |            |
| MW - 35         | 02/22/10    | 0.0104                                 | <0.001   | 0.0044        | 0.0194         |            |
| MW - 35         | 06/03/10    | 0.0079                                 | <0.001   | <0.001        | 0.0067         |            |
| MW - 35         | 08/26/10    | 0.0011                                 | <0.001   | <0.001        | 0.0014         |            |
| MW - 35         | 12/01/10    | 0.0044                                 | <0.001   | <0.001        | 0.01           |            |
| MW - 35         | 03/09/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 35         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 35         | 08/19/11    | 0.0041                                 | <0.001   | <0.001        | 0.0092         |            |
| MW - 35         | 11/15/11    | 0.1690                                 | <0.001   | 0.062         | 0.0185         |            |
| MW - 35         | 02/29/12    | 0.1460                                 | <0.001   | 0.0572        | 0.0459         |            |
| MW - 35         | 05/02/12    | 0.0183                                 | <0.001   | 0.0134        | <0.001         |            |
| MW - 35         | 08/10/12    | 0.0072                                 | <0.001   | <0.001        | 0.0135         |            |
| MW - 35         | 11/27/12    | 0.0079                                 | <0.001   | 0.0045        | 0.0083         |            |
| MW - 35         | 02/23/13    | 0.00920                                | <0.001   | 0.00920       | 0.0282         |            |
| MW - 35         | 05/16/13    | 0.00870                                | <0.00100 | 0.00670       | 0.0259         |            |
| MW - 35         | 08/21/13    | 0.00350                                | <0.00100 | 0.00150       | 0.00510        |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 35         | 11/11/13    | <0.00100                               | <0.00100 | 0.00230       | <0.00300       |            |
| MW - 35         | 02/20/14    | <0.00100                               | <0.00100 | 0.00780       | <0.00300       |            |
| MW - 35         | 05/20/14    | 0.00120                                | <0.00100 | 0.00480       | <0.00300       |            |
| MW - 35         | 08/19/14    | 0.00430                                | <0.00100 | 0.00250       | 0.00460        |            |
| MW - 35         | 11/26/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 35         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 35         | 05/20/15    | 0.00110                                | <0.00100 | 0.00400       | 0.00170        |            |
| MW - 35         | 08/13/15    | 0.00190                                | <0.00100 | 0.00200       | 0.00670        |            |
| MW - 35         | 11/11/15    | 0.00190                                | <0.00100 | <0.00100      | 0.00450        |            |
| MW - 35         | 02/02/16    | 0.00140                                | <0.00100 | 0.00560       | 0.00570        |            |
| MW - 35         | 05/11/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 35         | 08/09/16    | <0.00100                               | <0.00100 | 0.00110       | 0.00390        |            |
| MW - 35         | 11/16/16    | 0.00100                                | <0.00100 | 0.00180       | 0.00510        |            |
| MW - 35         | 02/22/17    | <0.00200                               | <0.00200 | <0.00200      | 0.00509        |            |
| MW - 35         | 05/17/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 35         | 08/22/17    | <0.00200                               | <0.00200 | <0.00200      | 0.00439        |            |
| MW - 35         | 11/29/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 35         | 02/14/18    | <0.00100                               | <0.00100 | <0.00100      | 0.00410        |            |
| MW - 35         | 05/17/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 35         | 08/16/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 35         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 35         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | 0.00211        |            |
| MW - 35         | 08/28/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 35         | 08/26/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 35         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 35         | 06/23/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 35         | 12/14/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 03/09/22    | <0.00100                               | 0.00103  | <0.00100      | <0.00200       |            |
| MW - 35         | 05/03/22    | <0.00100                               | <0.00100 | 0.00237       | <0.00200       |            |
| MW - 35         | 08/03/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 35         | 10/27/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
|                 |             |                                        |          |               |                |            |
| MW - 36         | 09/28/06    | <b>0.5930</b>                          | <0.05    | <0.05         | 0.102          |            |
| MW - 36         | 12/06/06    | <b>1.1200</b>                          | <0.01    | <0.01         | <0.01          |            |
| MW - 36         | 03/01/07    | 0.0074                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 05/24/07    | <b>2.2600</b>                          | <0.02    | <0.02         | <0.02          |            |
| MW - 36         | 08/23/07    | <b>1.8500</b>                          | <0.02    | <0.02         | <0.02          |            |
| MW - 36         | 11/08/07    | <b>3.8300</b>                          | 0.217    | 0.213         | <0.1           |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 36         | 03/04/08    | 1.3000       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 06/11/08    | 0.9000       | <0.010   | <0.010        | <0.010         |            |
| MW - 36         | 09/10/08    | 0.4140       | <0.0050  | <0.0050       | <0.0050        |            |
| MW - 36         | 12/11/08    | 0.2280       | <0.010   | <0.010        | <0.010         |            |
| MW - 36         | 02/27/09    | 0.2670       | <0.010   | <0.010        | <0.010         |            |
| MW - 36         | 05/22/09    | 0.1060       | <0.010   | <0.010        | <0.010         |            |
| MW - 36         | 08/18/09    | 0.0663       | <0.010   | <0.010        | <0.010         |            |
| MW - 36         | 12/10/09    | 0.0305       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 02/22/10    | 0.0769       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 06/03/10    | 0.0545       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 08/26/10    | 0.0283       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 12/01/10    | 0.0064       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 08/19/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 11/15/11    | 0.0044       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 02/29/12    | 0.0077       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 05/02/12    | 0.0099       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 08/10/12    | <0.001       | <0.001   | <0.001        | <0.003         |            |
| MW - 36         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 36         | 02/23/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 05/16/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 08/21/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 11/11/13    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 36         | 02/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 36         | 05/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 36         | 08/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 11/25/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 02/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 05/20/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 08/12/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 11/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 02/02/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 05/11/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 08/08/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 11/15/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 36         | 02/22/17    | <0.00200     | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 36         | 05/17/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 36         | 08/23/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 36         | 11/28/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 36         | 02/13/18    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 05/17/18    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 36         | 08/15/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 36         | 11/28/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 36         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 03/17/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 36         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 36         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 37         | 09/28/06    | <0.02                                  | <0.02    | <0.02         | <0.02          |            |
| MW - 37         | 12/06/06    | <0.001                                 | <0.001   | <0.001        | 0.001          |            |
| MW - 37         | 03/01/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 05/24/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 08/23/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 11/08/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 03/04/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 06/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 09/10/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 02/26/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 05/21/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 08/18/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 02/22/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 06/03/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 08/26/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 03/09/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 08/18/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 02/29/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 05/02/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 08/10/12    | <0.001                                 | <0.001   | <0.001        | <0.003         |            |
| MW - 37         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 37         | 02/23/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 37         | 05/16/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 08/21/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 37         | 02/19/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 37         | 05/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 37         | 08/19/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 08/13/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 02/02/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 05/11/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 08/09/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 37         | 02/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 37         | 05/17/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 37         | 08/23/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 37         | 11/29/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 37         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 05/17/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 37         | 08/16/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 37         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 37         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 37         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 37         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 38         | 09/28/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 12/06/06    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 03/01/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 05/24/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 38         | 08/23/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 11/08/07    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 03/04/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 06/11/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 09/10/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 12/11/08    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 02/26/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 05/21/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 08/18/09    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 12/09/09    | 0.0070       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 02/22/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 06/03/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 08/26/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 12/01/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 08/18/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 11/15/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 02/29/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 05/02/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 08/10/12    | <0.001       | <0.001   | <0.001        | <0.003         |            |
| MW - 38         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 38         | 02/23/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 05/16/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 08/21/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 11/11/13    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 38         | 02/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 38         | 05/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 38         | 08/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 11/25/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 02/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 05/20/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 08/13/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 11/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 02/02/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 05/11/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 08/09/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 11/15/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 38         | 02/22/17    | <0.00200     | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 38         | 05/17/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 38         | 08/23/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 38         | 11/29/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 38         | 02/13/18    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 05/17/18    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 38         | 08/16/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 38         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 38         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 08/27/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 38         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 38         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 39         | 12/03/07    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 03/04/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 06/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 09/10/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 12/11/08    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 02/26/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 05/21/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 08/18/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 12/09/09    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 02/22/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 06/03/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 08/26/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 12/01/10    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 03/09/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 05/26/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 08/18/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 11/15/11    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 02/29/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 05/02/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 08/10/12    | <0.001                                 | <0.001   | <0.001        | <0.003         |            |
| MW - 39         | 11/27/12    | <0.001                                 | <0.001   | <0.001        | <0.001         |            |
| MW - 39         | 02/22/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 05/15/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 08/21/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 11/11/13    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                 |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 39         | 02/19/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 39         | 05/20/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 39         | 08/19/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 11/25/14    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 02/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 05/20/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 08/13/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 11/10/15    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 02/02/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 05/11/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 08/09/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 11/15/16    | <0.00100                               | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 39         | 02/22/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 39         | 05/17/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 39         | 08/23/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 39         | 11/29/17    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 39         | 02/13/18    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 05/17/18    | <0.00200                               | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 39         | 08/16/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 39         | 11/28/18    | <0.00100                               | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 39         | 02/21/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 05/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 08/28/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 10/30/19    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 03/18/20    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 39         | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 39         | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                 |             |                                        |          |               |                |            |
| MW - 40         | 12/03/07    | <b>0.5570</b>                          | <0.01    | <0.01         | <0.01          |            |
| MW - 40         | 12/20/07    | <b>0.4950</b>                          | <0.005   | <0.005        | 0.007          |            |
| MW - 40         | 03/04/08    | <b>0.7090</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 40         | 06/11/08    | <b>0.5120</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 40         | 09/10/08    | <b>0.4640</b>                          | <0.005   | 0.0109        | 0.017          |            |
| MW - 40         | 12/11/08    | <b>0.2430</b>                          | <0.005   | <0.005        | <0.005         |            |
| MW - 40         | 02/27/09    | <b>0.2110</b>                          | <0.005   | <0.005        | <0.005         |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION | SAMPLE DATE | SW 846-8260b |          |               |                |            |
|-----------------|-------------|--------------|----------|---------------|----------------|------------|
|                 |             | BENZENE      | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 40         | 05/22/09    | 0.2240       | <0.005   | <0.005        | 0.0613         |            |
| MW - 40         | 08/18/09    | 0.1900       | <0.005   | <0.005        | <0.005         |            |
| MW - 40         | 12/10/09    | 0.0795       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 02/22/10    | 0.1470       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 06/03/10    | 0.0122       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 08/26/10    | Not Sampled  |          |               |                |            |
| MW - 40         | 12/01/10    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 03/09/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 05/26/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 08/19/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 11/15/11    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 02/29/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 05/02/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 08/10/12    | <0.001       | <0.001   | <0.001        | <0.003         |            |
| MW - 40         | 11/27/12    | <0.001       | <0.001   | <0.001        | <0.001         |            |
| MW - 40         | 02/23/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 05/16/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 08/21/13    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 11/11/13    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 40         | 02/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 40         | 05/20/14    | <0.00100     | <0.00100 | <0.00100      | <0.00300       |            |
| MW - 40         | 08/19/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 11/25/14    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 02/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 05/20/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 08/13/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 11/10/15    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 02/02/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 05/11/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 08/09/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 11/15/16    | <0.00100     | <0.00100 | <0.00100      | <0.00100       |            |
| MW - 40         | 02/22/17    | <0.00200     | <0.00200 | <0.00200      | <0.00200       |            |
| MW - 40         | 05/17/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 40         | 08/23/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 40         | 11/29/17    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 40         | 02/13/18    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 05/17/18    | <0.00200     | <0.00200 | <0.00200      | <0.00400       |            |
| MW - 40         | 08/16/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 40         | 11/28/18    | <0.00100     | <0.0100  | <0.00500      | <0.0200        |            |
| MW - 40         | 02/21/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 05/30/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 08/28/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 10/30/19    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40         | 03/18/20    | <0.00100     | <0.00100 | <0.00100      | <0.00200       |            |

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM - SPS 11**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE NUMBER GW-0140**

*All concentrations are reported in mg/L*

| SAMPLE LOCATION                                                                         | SAMPLE DATE | SW 846-8260b                           |          |               |                |            |
|-----------------------------------------------------------------------------------------|-------------|----------------------------------------|----------|---------------|----------------|------------|
|                                                                                         |             | BENZENE                                | TOLUENE  | ETHYL-BENZENE | m, p - XYLENES | o - XYLENE |
| MW - 40                                                                                 | 06/09/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 08/25/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 12/16/20    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 03/22/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 06/22/21    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40                                                                                 | 09/09/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 12/14/21    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 02/10/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 05/02/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
| MW - 40                                                                                 | 08/02/22    | <0.00100                               | <0.00100 | <0.00100      | <0.00200       |            |
| MW - 40                                                                                 | 10/26/22    | Not Sampled on Current Sample Schedule |          |               |                |            |
|                                                                                         |             |                                        |          |               |                |            |
| *Well MW-16 was resampled on 9/16/14 due to inconsistent laboratory analytical results. |             |                                        |          |               |                |            |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-1                                                                                            | 12/11/08    | Not Sampled Due to Insufficient Water Volume       |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 12/10/09    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | 0.0105       | <0.000184  | 0.0155                 | <0.000184    | 0.0744     | 0.140       | 0.130               | 0.0111              |              |
| MW-1                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 12/16/11    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/27/12    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/11/13    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/26/14    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/10/15    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/15/16    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/29/17    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 11/27/18    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 10/29/19    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 12/18/20    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 12/15/21    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-1                                                                                            | 10/27/22    | <0.00011                                           | 0.0012         | <0.00011   | <0.00011           | <0.00011       | <0.00011             | <0.00011             | <0.00011             | <0.00011    | <0.00011              | 0.0064       | <0.00011   | 0.017                  | <0.11        | 0.285      |             | -                   |                     |              |
| MW-2                                                                                            | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-2                                                                                            | 12/09/09    | <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-2                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/27/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 12/18/20    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 12/15/21    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-2                                                                                            | 10/26/22    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |
| MW-3                                                                                            | 12/09/09    | <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                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-3                                                                                            | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 12/11/08    | Not Sampled Due to Insufficient Water Volume       |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 12/10/09    | <0.00183                                           | <0.00183       | <0.00183   | <0.00183           | <0.00183       | <0.00183             | <0.00183             | <0.00183             | <0.00183    | <0.00183              | <0.00183     | <0.00183   | 0.0766                 | <0.00183     | 0.226      | 0.616       | 0.578               | 0.0478              |              |
| MW-4                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 12/16/11    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/27/12    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/11/13    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/25/14    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/10/15    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/15/16    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/29/17    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 11/27/18    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 10/29/19    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 12/18/20    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-4                                                                                            | 12/15/21    | 0.0026                                             | <0.00010       | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | 0.0042       | <0.00010   | 0.0056                 | <0.00010     | 0.132      |             |                     | 0.0044              |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-4                                                                                            | 10/27/22    | <0.00010                                           | 0.0015         | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | <0.00010     | 0.0079     | <0.00010               | 0.021        | <0.00010   | 0.319       |                     | -                   |              |
| MW-6                                                                                            | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | 0.000207    | <0.000184           | <0.000184           | <0.000184    |
| MW-6                                                                                            | 12/09/09    | <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-6                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-6                                                                                            | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 12/11/08    | <0.000917                                          | <0.000917      | 0.00181    | <0.000917          | <0.000917      | <0.000917            | <0.000917            | <0.000917            | <0.000917   | <0.000917             | <0.000917    | 0.0188     | <0.000917              | 0.0287       | <0.000917  | 0.109       | 0.232               | 0.197               | 0.0205       |
| MW-7                                                                                            | 12/10/09    | <0.00463                                           | <0.00463       | <0.00463   | <0.00463           | <0.00463       | <0.00463             | <0.00463             | <0.00463             | <0.00463    | <0.00463              | <0.00463     | <0.00463   | <0.00463               | 0.461        | <0.00463   | 1.27        | 3.48                | 3.24                | 0.284        |
| MW-7                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 12/16/11    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/27/12    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/11/13    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/25/14    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/10/15    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/15/16    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/29/17    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 11/27/18    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 10/29/19    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-7                                                                                            | 12/18/20    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|--|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |  |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |  |
| MW-7                                                                                            | 12/16/21    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-7                                                                                            | 10/26/22    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | 0.000278    | 0.000431            | <0.000184           | 0.000624     |  |
| MW-9                                                                                            | 12/10/09    | <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  | 0.00149     | 0.0013              | 0.00042             | 0.000837     |  |
| MW-9                                                                                            | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 11/29/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 10/31/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 12/18/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-9                                                                                            | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           | <0.000184    |  |
| MW-10                                                                                           | 12/10/09    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           | <0.000184    |  |
| MW-10                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-10                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |



TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     |                     | ---          |
| MW-10                                                                                           | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-10                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-10                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | 0.000386     | <0.000183  | 0.00228     | 0.00306             | 0.000266            | 0.00105      |
| MW-11                                                                                           | 12/10/09    | <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  | 0.00621     | 0.00664             | 0.00103             | 0.00103      |
| MW-11                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 12/16/11    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/27/12    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/12/13    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/26/14    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/10/15    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/15/16    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/29/17    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 11/27/18    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 10/29/19    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 12/18/20    | Not Sampled due to the presence of PSH.            |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-11                                                                                           | 12/15/21    | 0.0021                                             | 0.00081        | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | <0.00010     | 0.0037     | <0.00010               | 0.0051       | <0.00010   | 0.164       |                     |                     | 0.0047       |
| MW-11                                                                                           | 10/27/22    | <0.00010                                           | <0.00020       | <0.00010   | <0.00010           | <0.00010       | <0.00010             | <0.00010             | <0.00010             | <0.00010    | <0.00010              | <0.00010     | 0.0079     | <0.00010               | <0.00010     | 0.016      | 0.35        |                     |                     | -            |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |
| MW-12                                                                                           | 12/09/09    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-12                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-12                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |



TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|--|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |  |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |  |
| MW-14                                                                                           | 11/29/17    | <0.000349                                          | 0.000231       | <0.000109  | <0.000109          | <0.000109      | <0.000109            | <0.000109            | <0.000109            | <0.000109   | <0.000109             | <0.000109    | 0.00201    | <0.000109              | 0.00159      | <0.000109  | 0.0133      |                     | 0.00194             |              |  |
| MW-14                                                                                           | 11/29/18    | <0.00011                                           | <0.00011       | <0.00011   | <0.00011           | <0.00011       | <0.00011             | <0.00011             | <0.00011             | <0.00011    | <0.00011              | <0.00011     | 0.00040    | <0.00011               | 0.00046      | <0.00011   | 0.0163      |                     | 0.00053             |              |  |
| MW-14                                                                                           | 10/31/19    | <0.000099                                          | 0.00017        | <0.000099  | <0.000099          | <0.000099      | <0.000099            | <0.000099            | <0.000099            | <0.000099   | <0.000099             | <0.000099    | 0.00067    | <0.000099              | 0.00061      | <0.000099  | 0.0150      |                     | 0.0012              |              |  |
| MW-14                                                                                           | 12/18/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-14                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-14                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 12/11/08    | <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-15                                                                                           | 12/09/09    | <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-15                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-15                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-16                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |  |
| MW-16                                                                                           | 12/10/09    | <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-16                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-16                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-16                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-16                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |
| MW-16                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |  |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     |                     | ---          |
| MW-16                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 11/27/18    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 12/18/20    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 12/15/21    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-16                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |
| MW-17                                                                                           | 12/10/09    | <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-17                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 10/31/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-17                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-18                                                                                           | 12/09/09    | <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-18                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-18                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 12/17/20    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 12/15/21    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-18                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-19                                                                                           | 12/09/09    | <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-19                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/27/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 12/17/20    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 12/14/21    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-19                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-21                                                                                           | 12/09/09    | <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-21                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     |                     | ---          |
| MW-21                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 12/17/20    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 12/15/21    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-21                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 12/11/08    | <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-23                                                                                           | 12/09/09    | <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-23                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-23                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |
| MW-24                                                                                           | 12/09/09    | <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-24                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-24                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/24/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-24                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-25                                                                                           | 12/09/09    | <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-25                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-25                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | 0.00106    | 0.000552    | 0.000224            | <0.000183           |              |
| MW-26                                                                                           | 12/10/09    | <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    | 0.00128    | <0.000184   | <0.000184           | <0.000184           |              |
| MW-26                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |



TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L |             | 0.03 mg/L           |                     | ---          |
| MW-26                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 11/29/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 10/31/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 12/18/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-26                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | 0.000215   | <0.000183              | <0.000183    | <0.000183  | 0.00247     | 0.00148             | 0.000516            | 0.000618     |
| MW-28                                                                                           | 12/10/09    | <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  | 0.00315     | 0.00217             | 0.000988            | 0.000758     |
| MW-28                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 11/29/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 10/31/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 12/18/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-28                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | 0.000628   | <0.000183              | 0.000394     | <0.000183  | 0.00944     | 0.00384             | 0.00161             | 0.000995     |
| MW-29                                                                                           | 12/10/09    | <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  | 0.0136      | 0.00668             | 0.00332             | 0.00125      |
| MW-29                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-29                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-29                                                                                           | 10/28/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-30                                                                                           | 12/09/09    | <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-30                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 10/29/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 12/15/21    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-30                                                                                           | 10/26/22    | DRY                                                |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-31                                                                                           | 12/09/09    | <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-31                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 11/27/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-31                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 12/17/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-31                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | 0.000357   | <0.000183              | <0.000183    | <0.000183  | 0.000798    | 0.000604            | <0.000183           | 0.000688     |
| MW-32                                                                                           | 12/10/09    | <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  | 0.00284     | 0.00181             | <0.000184           | 0.000877     |
| MW-32                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 11/29/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 10/31/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 12/18/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 12/15/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-32                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           | <0.000184    |
| MW-33                                                                                           | 12/09/09    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           | <0.000183    |
| MW-33                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L |             | 0.03 mg/L           |                     | ---          |
| MW-33                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-33                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           | <0.000183    |
| MW-34                                                                                           | 12/10/09    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           | <0.000184    |
| MW-34                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-34                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           | <0.000183    |
| MW-35                                                                                           | 12/10/09    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           | <0.000183    |
| MW-35                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/26/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/16/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L |             | 0.03 mg/L           |                     | ---          |
| MW-35                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-35                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | 0.000315     | <0.000184  | 0.00744     | 0.0012              | 0.000186            | 0.000517     |
| MW-36                                                                                           | 12/10/09    | <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  | 0.000516    | <0.000185           | <0.000185           | <0.000185    |
| MW-36                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/28/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-36                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           | <0.000184    |
| MW-37                                                                                           | 12/09/09    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           | <0.000183    |
| MW-37                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-37                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|--------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene | Dibenzofuran |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |              |
| MW-37                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 12/11/08    | <0.000184                                          | <0.000184      | <0.000184  | <0.000184          | <0.000184      | <0.000184            | <0.000184            | <0.000184            | <0.000184   | <0.000184             | <0.000184    | <0.000184  | <0.000184              | <0.000184    | <0.000184  | <0.000184   | <0.000184           | <0.000184           |              |
| MW-38                                                                                           | 12/09/09    | <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-38                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/11/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-38                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |              |
| MW-39                                                                                           | 12/09/09    | <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-39                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |
| MW-39                                                                                           | 10/26/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |              |

TABLE 6

## HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM SPS-11

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER GW-0140

All water concentrations are reported in mg/L

| SAMPLE LOCATION                                                                                 | SAMPLE DATE | EPA SW846-8270C, 3510                              |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
|-------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------|----------------|------------|--------------------|----------------|----------------------|----------------------|----------------------|-------------|-----------------------|--------------|------------|------------------------|--------------|------------|-------------|---------------------|---------------------|
|                                                                                                 |             | Acenaphthene                                       | Acenaphthylene | Anthracene | Benzo[a]anthracene | Benzo[a]pyrene | Benzo[b]fluoranthene | Benzo[g,h,i]perylene | Benzo[k]fluoranthene | Chrysene    | Dibenz[a,h]anthracene | Fluoranthene | Fluorene   | Indeno[1,2,3-cd]pyrene | Phenanthrene | Pyrene     | Naphthalene | 1-Methylnaphthalene | 2-Methylnaphthalene |
| Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A. |             | ---                                                | ---            | 0.001 mg/L | 0.0001 mg/L        | 0.0007 mg/L    | 0.001 mg/L           | ---                  | 0.001 mg/L           | 0.0002 mg/L | 0.0003 mg/L           | 0.001 mg/L   | 0.001 mg/L | 0.0004 mg/L            | 0.001 mg/L   | 0.001 mg/L | 0.03 mg/L   |                     | ---                 |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 12/11/08    | <0.000183                                          | <0.000183      | <0.000183  | <0.000183          | <0.000183      | <0.000183            | <0.000183            | <0.000183            | <0.000183   | <0.000183             | <0.000183    | <0.000183  | <0.000183              | <0.000183    | <0.000183  | <0.000183   | <0.000183           | <0.000183           |
| MW-40                                                                                           | 12/10/09    | <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-40                                                                                           | 11/30/10    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 12/16/11    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/27/12    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/12/13    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/25/14    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/10/15    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/15/16    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/29/17    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 11/28/18    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 10/30/19    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 12/16/20    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 12/14/21    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
| MW-40                                                                                           | 10/27/22    | Not Sampled as part of Quarterly Monitoring Event. |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |
|                                                                                                 |             |                                                    |                |            |                    |                |                      |                      |                      |             |                       |              |            |                        |              |            |             |                     |                     |



TABLE 7

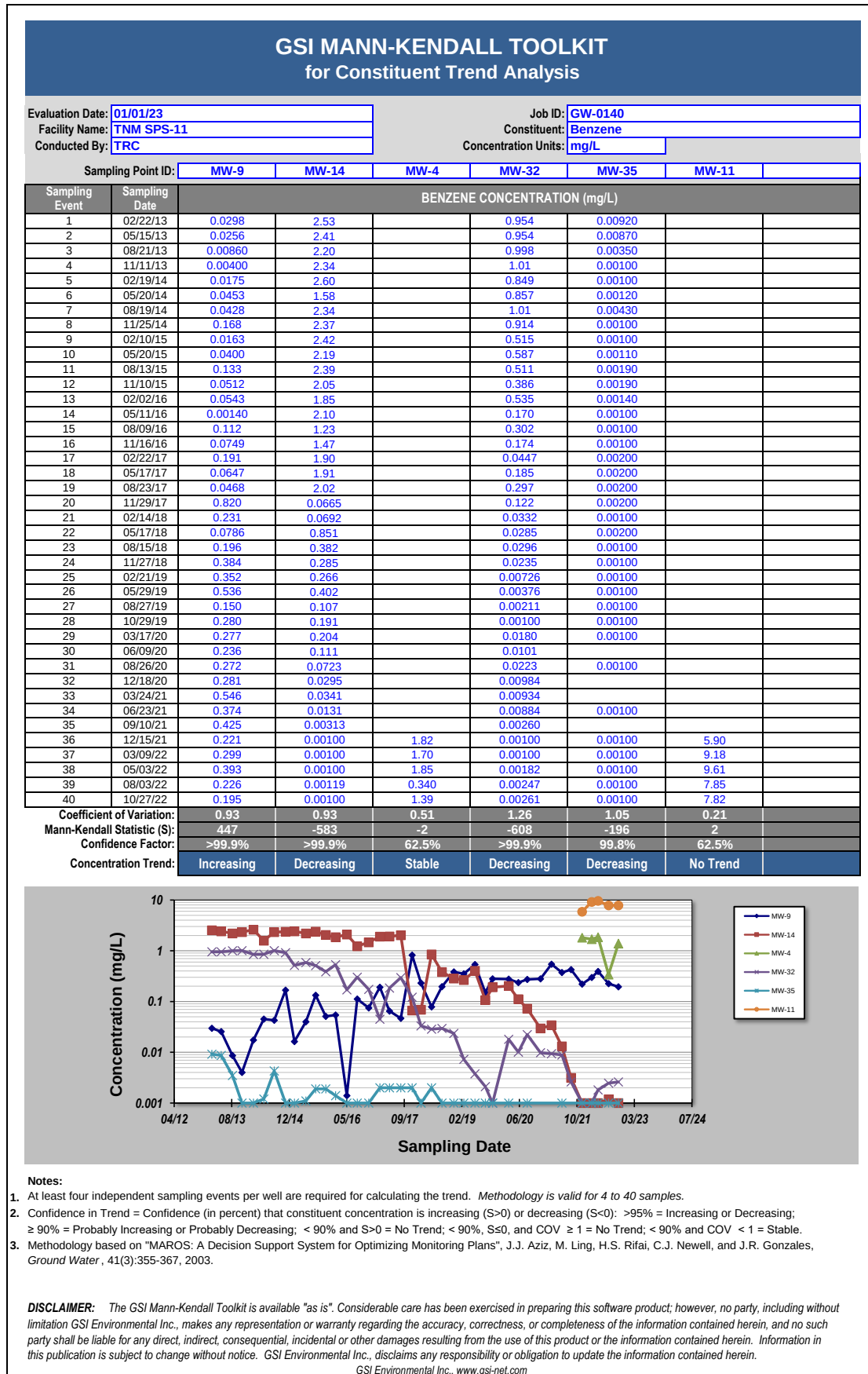


TABLE 8

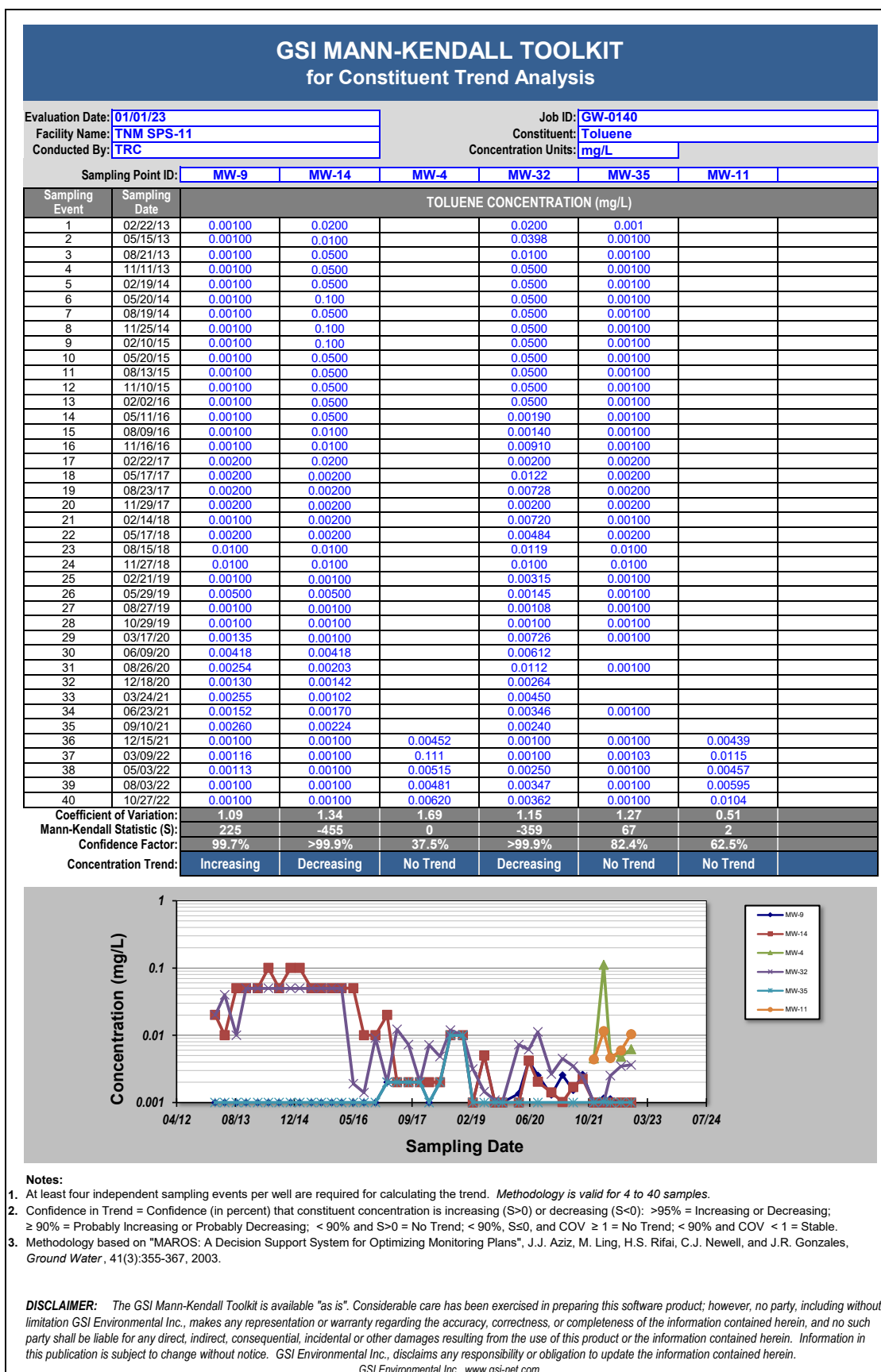


TABLE 9

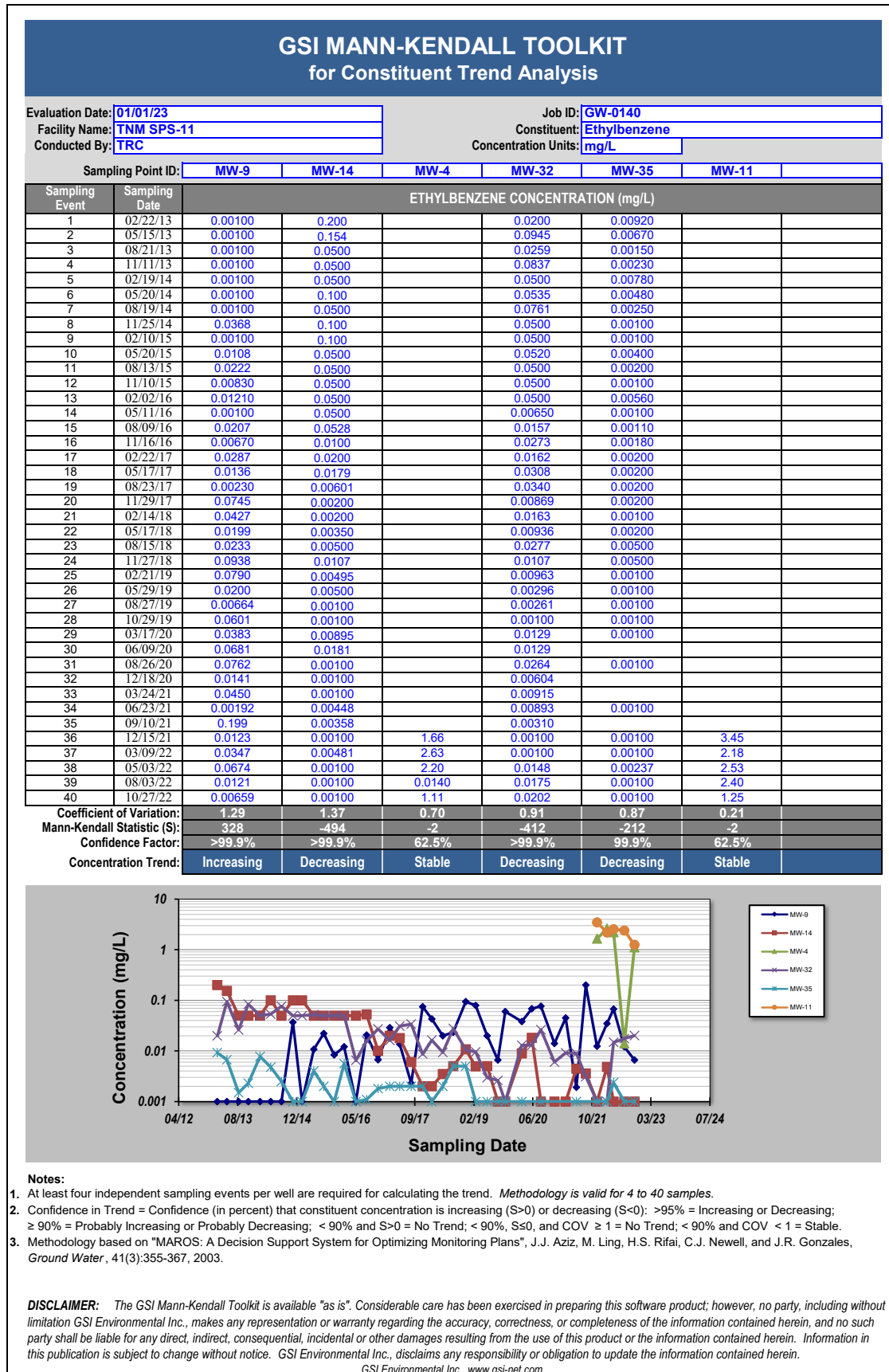


TABLE 10

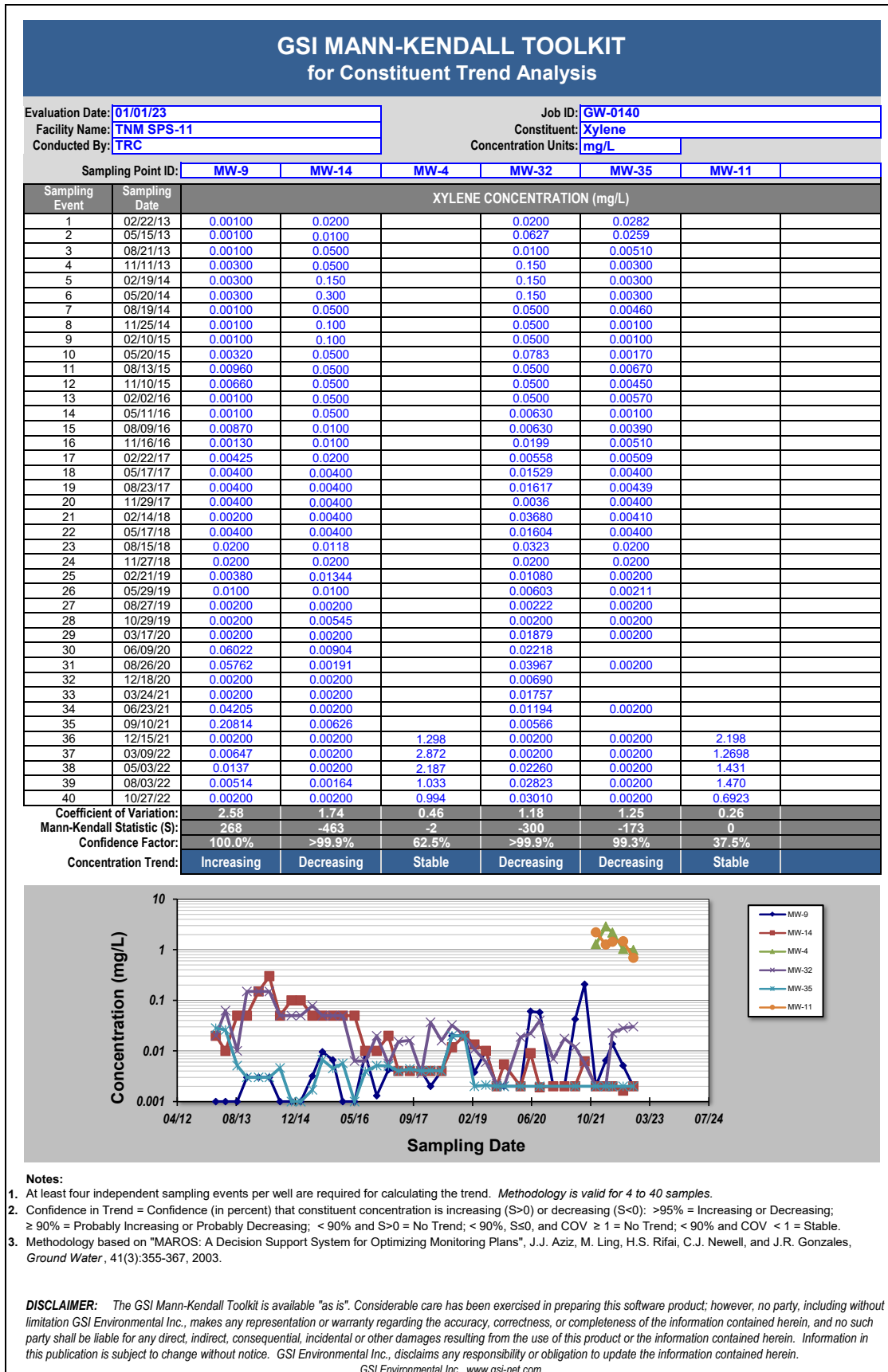
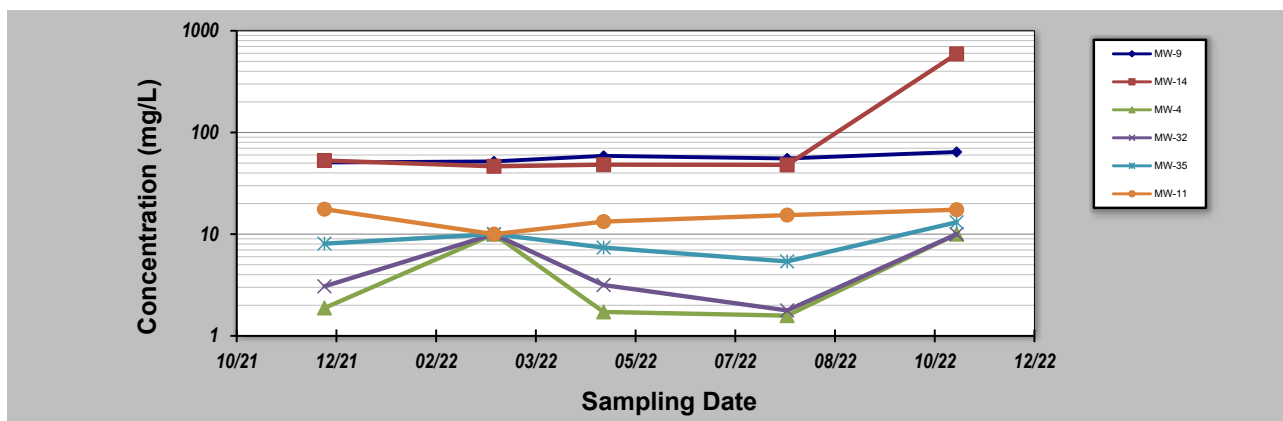


TABLE 11

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                 |        |                      |                            |          |      |  |
|-----------------------------|---------------|-------------------------------------------------|--------|----------------------|----------------------------|----------|------|--|
| Evaluation Date:            | 01/01/23      |                                                 |        | Job ID:              | GW-0140                    |          |      |  |
| Facility Name:              | TNM SPS-11    |                                                 |        | Constituent:         | Total Organic Carbon (TOC) |          |      |  |
| Conducted By:               | TRC           |                                                 |        | Concentration Units: | mg/L                       |          |      |  |
| Sampling Point ID:          | MW-9          | MW-14                                           | MW-4   | MW-32                | MW-35                      | MW-11    |      |  |
| Sampling Event              | Sampling Date | TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L) |        |                      |                            |          |      |  |
| 1                           | 12/14/21      | 50.7                                            | 53.0   | 1.88                 | 3.07                       | 8.07     | 17.6 |  |
| 2                           | 03/09/22      | 51.9                                            | 46.5   | 10.0                 | 10.0                       | 10.0     | 10.0 |  |
| 3                           | 05/03/22      | 58.9                                            | 48.2   | 1.72                 | 3.16                       | 7.38     | 13.3 |  |
| 4                           | 08/03/22      | 55.5                                            | 48.0   | 1.58                 | 1.78                       | 5.39     | 15.4 |  |
| 5                           | 10/27/22      | 64.3                                            | 592    | 10.0                 | 10.0                       | 13.1     | 17.4 |  |
| 6                           |               |                                                 |        |                      |                            |          |      |  |
| 7                           |               |                                                 |        |                      |                            |          |      |  |
| 8                           |               |                                                 |        |                      |                            |          |      |  |
| 9                           |               |                                                 |        |                      |                            |          |      |  |
| 10                          |               |                                                 |        |                      |                            |          |      |  |
| 11                          |               |                                                 |        |                      |                            |          |      |  |
| 12                          |               |                                                 |        |                      |                            |          |      |  |
| 13                          |               |                                                 |        |                      |                            |          |      |  |
| 14                          |               |                                                 |        |                      |                            |          |      |  |
| 15                          |               |                                                 |        |                      |                            |          |      |  |
| 16                          |               |                                                 |        |                      |                            |          |      |  |
| 17                          |               |                                                 |        |                      |                            |          |      |  |
| 18                          |               |                                                 |        |                      |                            |          |      |  |
| 19                          |               |                                                 |        |                      |                            |          |      |  |
| 20                          |               |                                                 |        |                      |                            |          |      |  |
| Coefficient of Variation:   | 0.10          | 1.54                                            | 0.90   | 0.72                 | 0.33                       | 0.22     |      |  |
| Mann-Kendall Statistic (S): | 8             | 2                                               | -1     | 1                    | 0                          | 2        |      |  |
| Confidence Factor:          | 95.8%         | 59.2%                                           | 50.0%  | 50.0%                | 40.8%                      | 59.2%    |      |  |
| Concentration Trend:        | Increasing    | No Trend                                        | Stable | No Trend             | Stable                     | No Trend |      |  |

**Notes:**

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

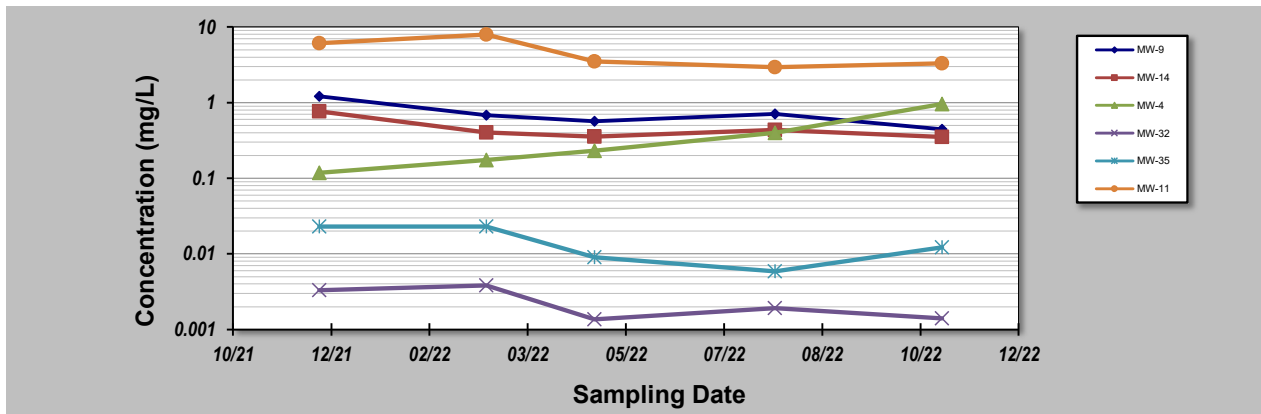
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TABLE 12

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                  |            |                      |                             |         |      |  |
|-----------------------------|---------------|--------------------------------------------------|------------|----------------------|-----------------------------|---------|------|--|
| Evaluation Date:            | 01/01/23      |                                                  |            | Job ID:              | GW-0140                     |         |      |  |
| Facility Name:              | TNM SPS-11    |                                                  |            | Constituent:         | Dissolved Methane (RSK-175) |         |      |  |
| Conducted By:               | TRC           |                                                  |            | Concentration Units: | mg/L                        |         |      |  |
| Sampling Point ID:          | MW-9          | MW-14                                            | MW-4       | MW-32                | MW-35                       | MW-11   |      |  |
| Sampling Event              | Sampling Date | DISSOLVED METHANE (RSK-175) CONCENTRATION (mg/L) |            |                      |                             |         |      |  |
| 1                           | 12/14/21      | 1.21                                             | 0.769      | 0.118                | 0.00332                     | 0.0230  | 6.12 |  |
| 2                           | 03/09/22      | 0.683                                            | 0.404      | 0.174                | 0.00382                     | 0.0229  | 7.98 |  |
| 3                           | 05/03/22      | 0.567                                            | 0.356      | 0.231                | 0.00136                     | 0.00903 | 3.52 |  |
| 4                           | 08/03/22      | 0.708                                            | 0.436      | 0.398                | 0.00191                     | 0.00590 | 2.95 |  |
| 5                           | 10/27/22      | 0.444                                            | 0.351      | 0.957                | 0.00140                     | 0.0122  | 3.31 |  |
| 6                           |               |                                                  |            |                      |                             |         |      |  |
| 7                           |               |                                                  |            |                      |                             |         |      |  |
| 8                           |               |                                                  |            |                      |                             |         |      |  |
| 9                           |               |                                                  |            |                      |                             |         |      |  |
| 10                          |               |                                                  |            |                      |                             |         |      |  |
| 11                          |               |                                                  |            |                      |                             |         |      |  |
| 12                          |               |                                                  |            |                      |                             |         |      |  |
| 13                          |               |                                                  |            |                      |                             |         |      |  |
| 14                          |               |                                                  |            |                      |                             |         |      |  |
| 15                          |               |                                                  |            |                      |                             |         |      |  |
| 16                          |               |                                                  |            |                      |                             |         |      |  |
| 17                          |               |                                                  |            |                      |                             |         |      |  |
| 18                          |               |                                                  |            |                      |                             |         |      |  |
| 19                          |               |                                                  |            |                      |                             |         |      |  |
| 20                          |               |                                                  |            |                      |                             |         |      |  |
| Coefficient of Variation:   | 0.40          | 0.38                                             | 0.91       | 0.48                 | 0.54                        | 0.46    |      |  |
| Mann-Kendall Statistic (S): | -6            | -6                                               | 10         | -4                   | -6                          | -6      |      |  |
| Confidence Factor:          | 88.3%         | 88.3%                                            | 99.2%      | 75.8%                | 88.3%                       | 88.3%   |      |  |
| Concentration Trend:        | Stable        | Stable                                           | Increasing | Stable               | Stable                      | Stable  |      |  |

**Notes:**

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

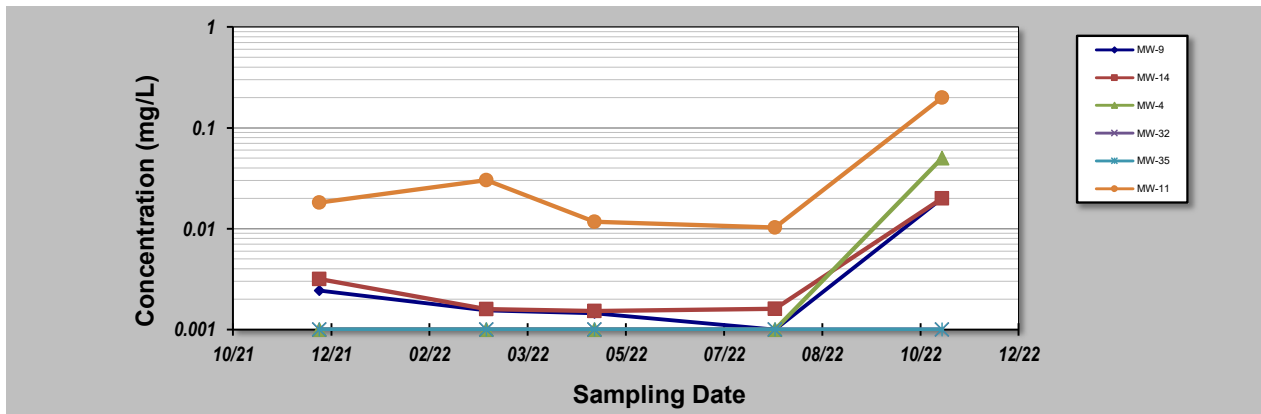
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TABLE 13

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                 |          |                      |                            |          |        |  |
|-----------------------------|---------------|-------------------------------------------------|----------|----------------------|----------------------------|----------|--------|--|
| Evaluation Date:            | 01/01/23      |                                                 |          | Job ID:              | GW-0140                    |          |        |  |
| Facility Name:              | TNM SPS-11    |                                                 |          | Constituent:         | Dissolved Ethane (RSK-175) |          |        |  |
| Conducted By:               | TRC           |                                                 |          | Concentration Units: | mg/L                       |          |        |  |
| Sampling Point ID:          | MW-9          | MW-14                                           | MW-4     | MW-32                | MW-35                      | MW-11    |        |  |
| Sampling Event              | Sampling Date | DISSOLVED ETHANE (RSK-175) CONCENTRATION (mg/L) |          |                      |                            |          |        |  |
| 1                           | 12/14/21      | 0.00243                                         | 0.00317  | 0.00100              | 0.00100                    | 0.00100  | 0.0182 |  |
| 2                           | 03/09/22      | 0.00155                                         | 0.00159  | 0.00100              | 0.00100                    | 0.00100  | 0.0302 |  |
| 3                           | 05/03/22      | 0.00145                                         | 0.00152  | 0.00100              | 0.00100                    | 0.00100  | 0.0117 |  |
| 4                           | 08/03/22      | 0.00100                                         | 0.00161  | 0.00100              | 0.00100                    | 0.00100  | 0.0103 |  |
| 5                           | 10/27/22      | 0.0200                                          | 0.0200   | 0.0500               | 0.00100                    | 0.00100  | 0.200  |  |
| 6                           |               |                                                 |          |                      |                            |          |        |  |
| 7                           |               |                                                 |          |                      |                            |          |        |  |
| 8                           |               |                                                 |          |                      |                            |          |        |  |
| 9                           |               |                                                 |          |                      |                            |          |        |  |
| 10                          |               |                                                 |          |                      |                            |          |        |  |
| 11                          |               |                                                 |          |                      |                            |          |        |  |
| 12                          |               |                                                 |          |                      |                            |          |        |  |
| 13                          |               |                                                 |          |                      |                            |          |        |  |
| 14                          |               |                                                 |          |                      |                            |          |        |  |
| 15                          |               |                                                 |          |                      |                            |          |        |  |
| 16                          |               |                                                 |          |                      |                            |          |        |  |
| 17                          |               |                                                 |          |                      |                            |          |        |  |
| 18                          |               |                                                 |          |                      |                            |          |        |  |
| 19                          |               |                                                 |          |                      |                            |          |        |  |
| 20                          |               |                                                 |          |                      |                            |          |        |  |
| Coefficient of Variation:   | 1.56          | 1.45                                            | 2.03     | 0.00                 | 0.00                       | 1.52     |        |  |
| Mann-Kendall Statistic (S): | -2            | 2                                               | 4        | 0                    | 0                          | 0        |        |  |
| Confidence Factor:          | 59.2%         | 59.2%                                           | 75.8%    | 40.8%                | 40.8%                      | 40.8%    |        |  |
| Concentration Trend:        | No Trend      | No Trend                                        | No Trend | Stable               | Stable                     | No Trend |        |  |

**Notes:**

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

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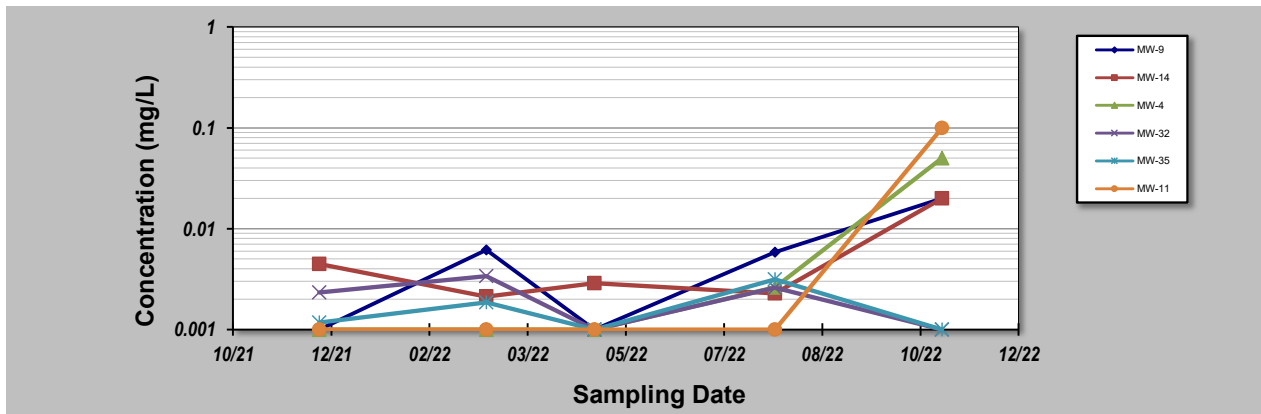
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TABLE 14

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                 |                  |                      |                            |          |         |  |
|-----------------------------|---------------|-------------------------------------------------|------------------|----------------------|----------------------------|----------|---------|--|
| Evaluation Date:            | 01/01/23      |                                                 |                  | Job ID:              | GW-0140                    |          |         |  |
| Facility Name:              | TNM SPS-11    |                                                 |                  | Constituent:         | Dissolved Ethene (RSK-175) |          |         |  |
| Conducted By:               | TRC           |                                                 |                  | Concentration Units: | mg/L                       |          |         |  |
| Sampling Point ID:          | MW-9          | MW-14                                           | MW-4             | MW-32                | MW-35                      | MW-11    |         |  |
| Sampling Event              | Sampling Date | DISSOLVED ETHENE (RSK-175) CONCENTRATION (mg/L) |                  |                      |                            |          |         |  |
| 1                           | 12/14/21      | 0.00100                                         | 0.00445          | 0.00100              | 0.00233                    | 0.00117  | 0.00100 |  |
| 2                           | 03/09/22      | 0.00617                                         | 0.00212          | 0.00100              | 0.00339                    | 0.00186  | 0.00100 |  |
| 3                           | 05/03/22      | 0.00100                                         | 0.00287          | 0.00100              | 0.00100                    | 0.00100  | 0.00100 |  |
| 4                           | 08/03/22      | 0.00584                                         | 0.00228          | 0.00261              | 0.00259                    | 0.00314  | 0.00100 |  |
| 5                           | 10/27/22      | 0.0200                                          | 0.0200           | 0.0500               | 0.00100                    | 0.00100  | 0.100   |  |
| 6                           |               |                                                 |                  |                      |                            |          |         |  |
| 7                           |               |                                                 |                  |                      |                            |          |         |  |
| 8                           |               |                                                 |                  |                      |                            |          |         |  |
| 9                           |               |                                                 |                  |                      |                            |          |         |  |
| 10                          |               |                                                 |                  |                      |                            |          |         |  |
| 11                          |               |                                                 |                  |                      |                            |          |         |  |
| 12                          |               |                                                 |                  |                      |                            |          |         |  |
| 13                          |               |                                                 |                  |                      |                            |          |         |  |
| 14                          |               |                                                 |                  |                      |                            |          |         |  |
| 15                          |               |                                                 |                  |                      |                            |          |         |  |
| 16                          |               |                                                 |                  |                      |                            |          |         |  |
| 17                          |               |                                                 |                  |                      |                            |          |         |  |
| 18                          |               |                                                 |                  |                      |                            |          |         |  |
| 19                          |               |                                                 |                  |                      |                            |          |         |  |
| 20                          |               |                                                 |                  |                      |                            |          |         |  |
| Coefficient of Variation:   | 1.15          | 1.21                                            | 1.96             | 0.51                 | 0.56                       | 2.13     |         |  |
| Mann-Kendall Statistic (S): | 5             | 2                                               | 7                | -3                   | -1                         | 4        |         |  |
| Confidence Factor:          | 82.1%         | 59.2%                                           | 92.1%            | 67.5%                | 50.0%                      | 75.8%    |         |  |
| Concentration Trend:        | No Trend      | No Trend                                        | Prob. Increasing | Stable               | Stable                     | No Trend |         |  |

**Notes:**

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

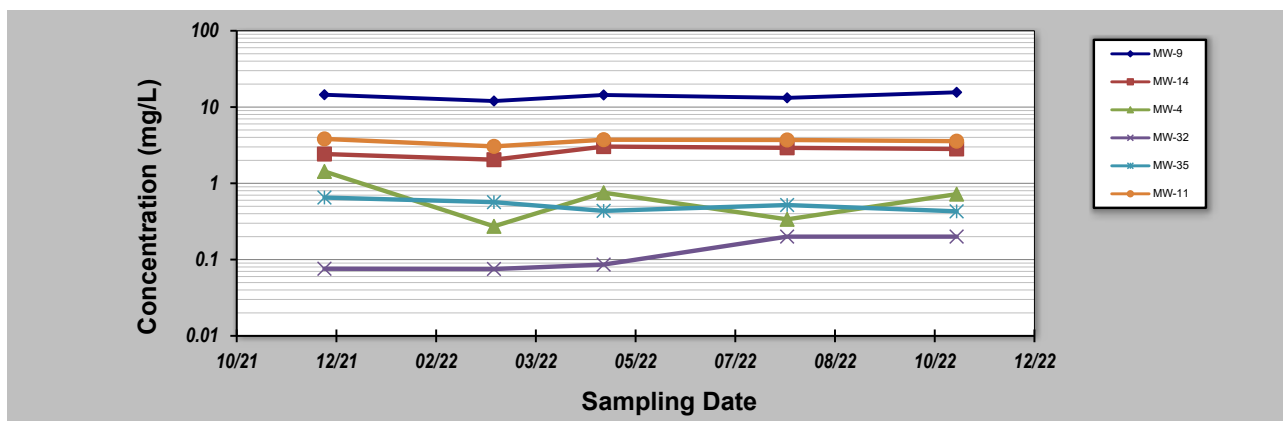
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TABLE 15

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                |        |                      |                           |        |      |
|-----------------------------|---------------|------------------------------------------------|--------|----------------------|---------------------------|--------|------|
| Evaluation Date:            | 01/01/23      |                                                |        | Job ID:              | GW-0140                   |        |      |
| Facility Name:              | TNM SPS-11    |                                                |        | Constituent:         | Dissolved Iron (filtered) |        |      |
| Conducted By:               | TRC           |                                                |        | Concentration Units: | mg/L                      |        |      |
| Sampling Point ID:          | MW-9          | MW-14                                          | MW-4   | MW-32                | MW-35                     | MW-11  |      |
| Sampling Event              | Sampling Date | DISSOLVED IRON (FILTERED) CONCENTRATION (mg/L) |        |                      |                           |        |      |
| 1                           | 12/14/21      | 14.5                                           | 2.42   | 1.43                 | 0.0758                    | 0.651  | 3.82 |
| 2                           | 03/09/22      | 12.0                                           | 2.04   | 0.273                | 0.0752                    | 0.566  | 3.05 |
| 3                           | 05/03/22      | 14.4                                           | 3.03   | 0.754                | 0.0860                    | 0.435  | 3.73 |
| 4                           | 08/03/22      | 13.2                                           | 2.92   | 0.337                | 0.200                     | 0.519  | 3.70 |
| 5                           | 10/27/22      | 15.6                                           | 2.82   | 0.721                | 0.200                     | 0.429  | 3.57 |
| 6                           |               |                                                |        |                      |                           |        |      |
| 7                           |               |                                                |        |                      |                           |        |      |
| 8                           |               |                                                |        |                      |                           |        |      |
| 9                           |               |                                                |        |                      |                           |        |      |
| 10                          |               |                                                |        |                      |                           |        |      |
| 11                          |               |                                                |        |                      |                           |        |      |
| 12                          |               |                                                |        |                      |                           |        |      |
| 13                          |               |                                                |        |                      |                           |        |      |
| 14                          |               |                                                |        |                      |                           |        |      |
| 15                          |               |                                                |        |                      |                           |        |      |
| 16                          |               |                                                |        |                      |                           |        |      |
| 17                          |               |                                                |        |                      |                           |        |      |
| 18                          |               |                                                |        |                      |                           |        |      |
| 19                          |               |                                                |        |                      |                           |        |      |
| 20                          |               |                                                |        |                      |                           |        |      |
| Coefficient of Variation:   | 0.10          | 0.15                                           | 0.66   | 0.52                 | 0.18                      | 0.09   |      |
| Mann-Kendall Statistic (S): | 2             | 2                                              | -2     | 7                    | -8                        | -4     |      |
| Confidence Factor:          | 59.2%         | 59.2%                                          | 59.2%  | 92.1%                | 95.8%                     | 75.8%  |      |
| Concentration Trend:        | No Trend      | No Trend                                       | Stable | Prob. Increasing     | Decreasing                | Stable |      |

**Notes:**

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

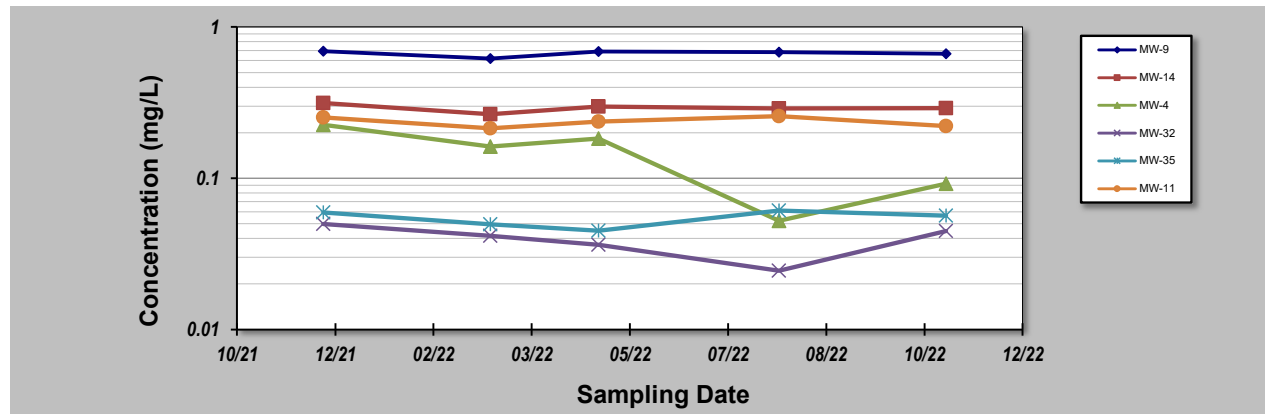
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TABLE 16

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                     |        |                      |                                |        |       |  |
|-----------------------------|---------------|-----------------------------------------------------|--------|----------------------|--------------------------------|--------|-------|--|
| Evaluation Date:            | 01/01/23      |                                                     |        | Job ID:              | GW-0140                        |        |       |  |
| Facility Name:              | TNM SPS-11    |                                                     |        | Constituent:         | Dissolved Manganese (filtered) |        |       |  |
| Conducted By:               | TRC           |                                                     |        | Concentration Units: | mg/L                           |        |       |  |
| Sampling Point ID:          | MW-9          | MW-14                                               | MW-4   | MW-32                | MW-35                          | MW-11  |       |  |
| Sampling Event              | Sampling Date | DISSOLVED MANGANESE (FILTERED) CONCENTRATION (mg/L) |        |                      |                                |        |       |  |
| 1                           | 12/14/21      | 0.691                                               | 0.314  | 0.226                | 0.0499                         | 0.0595 | 0.253 |  |
| 2                           | 03/09/22      | 0.618                                               | 0.265  | 0.162                | 0.0416                         | 0.0496 | 0.214 |  |
| 3                           | 05/03/22      | 0.689                                               | 0.298  | 0.183                | 0.0364                         | 0.0449 | 0.237 |  |
| 4                           | 08/03/22      | 0.683                                               | 0.289  | 0.0523               | 0.0245                         | 0.0611 | 0.257 |  |
| 5                           | 10/27/22      | 0.665                                               | 0.291  | 0.0923               | 0.0448                         | 0.0566 | 0.221 |  |
| 6                           |               |                                                     |        |                      |                                |        |       |  |
| 7                           |               |                                                     |        |                      |                                |        |       |  |
| 8                           |               |                                                     |        |                      |                                |        |       |  |
| 9                           |               |                                                     |        |                      |                                |        |       |  |
| 10                          |               |                                                     |        |                      |                                |        |       |  |
| 11                          |               |                                                     |        |                      |                                |        |       |  |
| 12                          |               |                                                     |        |                      |                                |        |       |  |
| 13                          |               |                                                     |        |                      |                                |        |       |  |
| 14                          |               |                                                     |        |                      |                                |        |       |  |
| 15                          |               |                                                     |        |                      |                                |        |       |  |
| 16                          |               |                                                     |        |                      |                                |        |       |  |
| 17                          |               |                                                     |        |                      |                                |        |       |  |
| 18                          |               |                                                     |        |                      |                                |        |       |  |
| 19                          |               |                                                     |        |                      |                                |        |       |  |
| 20                          |               |                                                     |        |                      |                                |        |       |  |
| Coefficient of Variation:   | 0.05          | 0.06                                                | 0.49   | 0.25                 | 0.13                           | 0.08   |       |  |
| Mann-Kendall Statistic (S): | -4            | -2                                                  | -6     | -4                   | 0                              | 0      |       |  |
| Confidence Factor:          | 75.8%         | 59.2%                                               | 88.3%  | 75.8%                | 40.8%                          | 40.8%  |       |  |
| Concentration Trend:        | Stable        | Stable                                              | Stable | Stable               | Stable                         | Stable |       |  |

**Notes:**

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

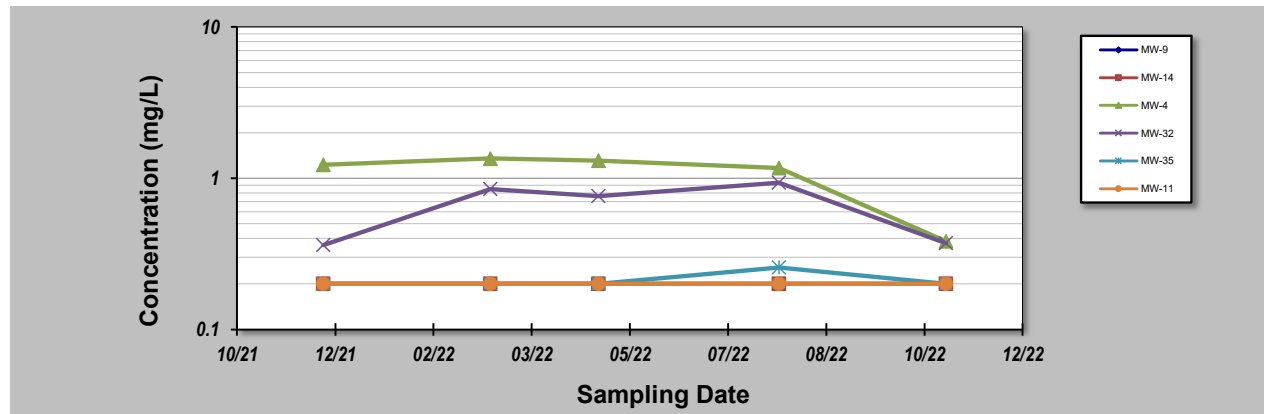
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TABLE 17

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                              |        |                      |          |        |       |  |
|-----------------------------|---------------|------------------------------|--------|----------------------|----------|--------|-------|--|
| Evaluation Date:            | 01/01/23      |                              |        | Job ID:              | GW-0140  |        |       |  |
| Facility Name:              | TNM SPS-11    |                              |        | Constituent:         | Nitrate  |        |       |  |
| Conducted By:               | TRC           |                              |        | Concentration Units: | mg/L     |        |       |  |
| Sampling Point ID:          | MW-9          | MW-14                        | MW-4   | MW-32                | MW-35    | MW-11  |       |  |
| Sampling Event              | Sampling Date | NITRATE CONCENTRATION (mg/L) |        |                      |          |        |       |  |
| 1                           | 12/14/21      | 0.200                        | 0.200  | 1.23                 | 0.361    | 0.200  | 0.200 |  |
| 2                           | 03/09/22      | 0.200                        | 0.200  | 1.35                 | 0.849    | 0.200  | 0.200 |  |
| 3                           | 05/03/22      | 0.200                        | 0.200  | 1.31                 | 0.763    | 0.200  | 0.200 |  |
| 4                           | 08/03/22      | 0.200                        | 0.200  | 1.17                 | 0.933    | 0.257  | 0.200 |  |
| 5                           | 10/27/22      | 0.200                        | 0.200  | 0.383                | 0.372    | 0.200  | 0.200 |  |
| 6                           |               |                              |        |                      |          |        |       |  |
| 7                           |               |                              |        |                      |          |        |       |  |
| 8                           |               |                              |        |                      |          |        |       |  |
| 9                           |               |                              |        |                      |          |        |       |  |
| 10                          |               |                              |        |                      |          |        |       |  |
| 11                          |               |                              |        |                      |          |        |       |  |
| 12                          |               |                              |        |                      |          |        |       |  |
| 13                          |               |                              |        |                      |          |        |       |  |
| 14                          |               |                              |        |                      |          |        |       |  |
| 15                          |               |                              |        |                      |          |        |       |  |
| 16                          |               |                              |        |                      |          |        |       |  |
| 17                          |               |                              |        |                      |          |        |       |  |
| 18                          |               |                              |        |                      |          |        |       |  |
| 19                          |               |                              |        |                      |          |        |       |  |
| 20                          |               |                              |        |                      |          |        |       |  |
| Coefficient of Variation:   | 0.00          | 0.00                         | 0.37   | 0.41                 | 0.12     | 0.00   |       |  |
| Mann-Kendall Statistic (S): | 0             | 0                            | -6     | 2                    | 2        | 0      |       |  |
| Confidence Factor:          | 40.8%         | 40.8%                        | 88.3%  | 59.2%                | 59.2%    | 40.8%  |       |  |
| Concentration Trend:        | Stable        | Stable                       | Stable | No Trend             | No Trend | Stable |       |  |

**Notes:**

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

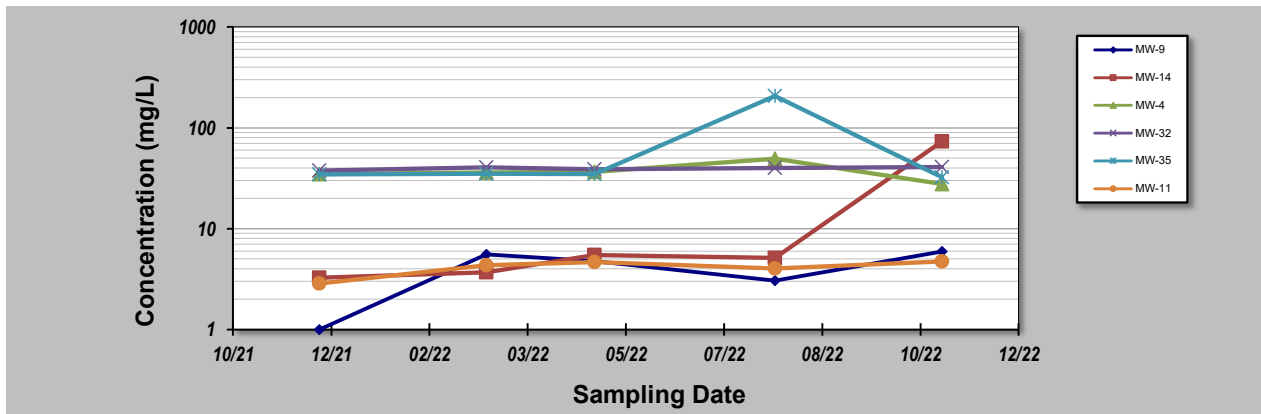
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TABLE 18

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                              |          |                      |          |          |      |
|-----------------------------|---------------|------------------------------|----------|----------------------|----------|----------|------|
| Evaluation Date:            | 01/01/23      |                              |          | Job ID:              | GW-0140  |          |      |
| Facility Name:              | TNM SPS-11    |                              |          | Constituent:         | Sulfate  |          |      |
| Conducted By:               | TRC           |                              |          | Concentration Units: | mg/L     |          |      |
| Sampling Point ID:          | MW-9          | MW-14                        | MW-4     | MW-32                | MW-35    | MW-11    |      |
| Sampling Event              | Sampling Date | SULFATE CONCENTRATION (mg/L) |          |                      |          |          |      |
| 1                           | 12/14/21      | 1.00                         | 3.26     | 34.9                 | 37.8     | 34.5     | 2.85 |
| 2                           | 03/09/22      | 5.54                         | 3.68     | 36.2                 | 40.6     | 35.1     | 4.34 |
| 3                           | 05/03/22      | 4.76                         | 5.48     | 36.6                 | 38.8     | 34.7     | 4.65 |
| 4                           | 08/03/22      | 3.06                         | 5.12     | 49.3                 | 39.9     | 207      | 4.02 |
| 5                           | 10/27/22      | 5.94                         | 73.2     | 27.8                 | 40.8     | 32.3     | 4.73 |
| 6                           |               |                              |          |                      |          |          |      |
| 7                           |               |                              |          |                      |          |          |      |
| 8                           |               |                              |          |                      |          |          |      |
| 9                           |               |                              |          |                      |          |          |      |
| 10                          |               |                              |          |                      |          |          |      |
| 11                          |               |                              |          |                      |          |          |      |
| 12                          |               |                              |          |                      |          |          |      |
| 13                          |               |                              |          |                      |          |          |      |
| 14                          |               |                              |          |                      |          |          |      |
| 15                          |               |                              |          |                      |          |          |      |
| 16                          |               |                              |          |                      |          |          |      |
| 17                          |               |                              |          |                      |          |          |      |
| 18                          |               |                              |          |                      |          |          |      |
| 19                          |               |                              |          |                      |          |          |      |
| 20                          |               |                              |          |                      |          |          |      |
| Coefficient of Variation:   | 0.50          | 1.70                         | 0.21     | 0.03                 | 1.12     | 0.19     |      |
| Mann-Kendall Statistic (S): | 4             | 8                            | 2        | 6                    | 0        | 6        |      |
| Confidence Factor:          | 75.8%         | 95.8%                        | 59.2%    | 88.3%                | 40.8%    | 88.3%    |      |
| Concentration Trend:        | No Trend      | Increasing                   | No Trend | No Trend             | No Trend | No Trend |      |

**Notes:**

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

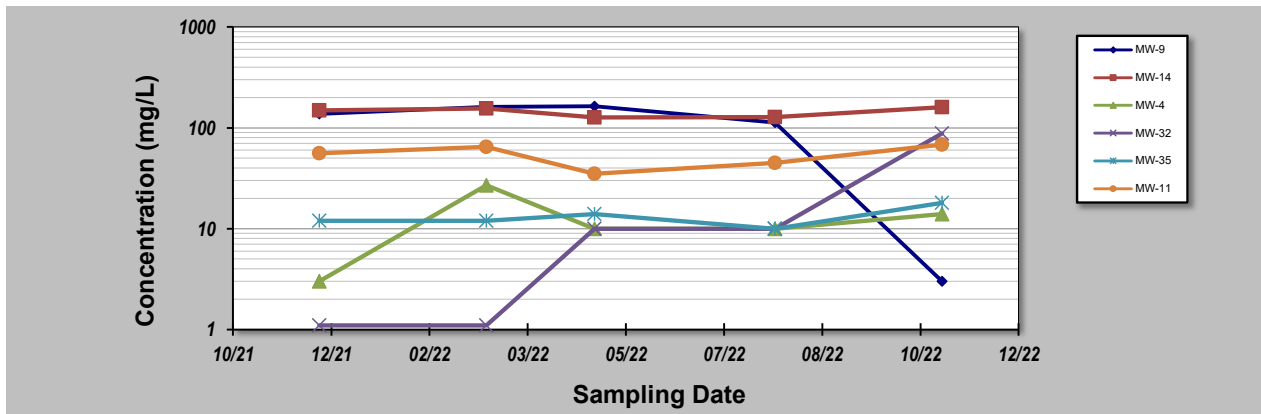
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TABLE 19

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

|                             |               |                                                   |          |                      |                              |          |      |  |
|-----------------------------|---------------|---------------------------------------------------|----------|----------------------|------------------------------|----------|------|--|
| Evaluation Date:            | 01/01/23      |                                                   |          | Job ID:              | GW-0140                      |          |      |  |
| Facility Name:              | TNM SPS-11    |                                                   |          | Constituent:         | Chemical Oxygen Demand (COD) |          |      |  |
| Conducted By:               | TRC           |                                                   |          | Concentration Units: | mg/L                         |          |      |  |
| Sampling Point ID:          | MW-9          | MW-14                                             | MW-4     | MW-32                | MW-35                        | MW-11    |      |  |
| Sampling Event              | Sampling Date | CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L) |          |                      |                              |          |      |  |
| 1                           | 12/14/21      | 137                                               | 149      | 3.00                 | 1.10                         | 12.0     | 56.0 |  |
| 2                           | 03/09/22      | 161                                               | 156      | 27.0                 | 1.10                         | 12.0     | 65.0 |  |
| 3                           | 05/03/22      | 164                                               | 127      | 10.0                 | 10.0                         | 14.0     | 35.0 |  |
| 4                           | 08/03/22      | 113                                               | 128      | 10.0                 | 10.0                         | 10.0     | 45.0 |  |
| 5                           | 10/27/22      | 3.00                                              | 160      | 14.0                 | 88.0                         | 18.0     | 68.0 |  |
| 6                           |               |                                                   |          |                      |                              |          |      |  |
| 7                           |               |                                                   |          |                      |                              |          |      |  |
| 8                           |               |                                                   |          |                      |                              |          |      |  |
| 9                           |               |                                                   |          |                      |                              |          |      |  |
| 10                          |               |                                                   |          |                      |                              |          |      |  |
| 11                          |               |                                                   |          |                      |                              |          |      |  |
| 12                          |               |                                                   |          |                      |                              |          |      |  |
| 13                          |               |                                                   |          |                      |                              |          |      |  |
| 14                          |               |                                                   |          |                      |                              |          |      |  |
| 15                          |               |                                                   |          |                      |                              |          |      |  |
| 16                          |               |                                                   |          |                      |                              |          |      |  |
| 17                          |               |                                                   |          |                      |                              |          |      |  |
| 18                          |               |                                                   |          |                      |                              |          |      |  |
| 19                          |               |                                                   |          |                      |                              |          |      |  |
| 20                          |               |                                                   |          |                      |                              |          |      |  |
| Coefficient of Variation:   | 0.57          | 0.11                                              | 0.69     | 1.69                 | 0.23                         | 0.26     |      |  |
| Mann-Kendall Statistic (S): | -4            | 2                                                 | 3        | 8                    | 3                            | 2        |      |  |
| Confidence Factor:          | 75.8%         | 59.2%                                             | 67.5%    | 95.8%                | 67.5%                        | 59.2%    |      |  |
| Concentration Trend:        | Stable        | No Trend                                          | No Trend | Increasing           | No Trend                     | No Trend |      |  |

**Notes:**

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

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## **APPENDICES**



## **APPENDIX A: 2022 Laboratory Analytical Reports**

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Location: Lea County, New Mexico  
Lab Order Number: 2C10003



**Current Certification**

Report Date: 03/23/22

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW-35     | 2C10003-01    | Water  | 03/09/22 12:27 | 03-10-2022 08:50 |
| MW-32     | 2C10003-02    | Water  | 03/09/22 13:12 | 03-10-2022 08:50 |
| MW-14     | 2C10003-03    | Water  | 03/09/22 14:03 | 03-10-2022 08:50 |
| MW-9      | 2C10003-04    | Water  | 03/09/22 15:15 | 03-10-2022 08:50 |

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

[https://www.tceq.texas.gov/assets/public/compliance/compliance\\_support/qa/labs/als\\_svcs\\_houston.pdf](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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-35**  
**2C10003-01 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |          |        |   |         |                |                |           |        |
|---------------------------------|----------------|----------|--------|---|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| <b>Toluene</b>                  | <b>0.00103</b> | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| Ethylbenzene                    | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| Xylene (p/m)                    | ND             | 0.00200  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| Xylene (o)                      | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 90.6 %         |          | 80-120 |   | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 102 %          |          | 80-120 |   | P2C1402 | 03/14/22 09:03 | 03/14/22 19:43 | EPA 8021B |        |
| <b>Methane</b>                  | <b>0.0229</b>  | 0.000500 | mg/L   | 1 | P2C2107 | 03/14/22 12:29 | 03/14/22 12:29 | 8015M     | SUB-13 |
| Ethane                          | ND             | 0.00100  | mg/L   | 1 | P2C2107 | 03/14/22 12:29 | 03/14/22 12:29 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00186</b> | 0.00100  | mg/L   | 1 | P2C2107 | 03/14/22 12:29 | 03/14/22 12:29 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>12.0</b> | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/10/22 22:48 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>35.1</b> | 1.00  | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/10/22 22:48 | EPA 300.0 |        |
| Total Organic Carbon          | ND          | 10.0  | mg/L | 1 | P2C2107 | 03/16/22 17:57 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |        |      |   |         |                |                |           |      |
|------------------|---------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>0.566</b>  | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:04 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.0496</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:04 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-32**  
**2C10003-02 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |          |        |   |         |                |                |           |        |
|---------------------------------|----------------|----------|--------|---|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Toluene                         | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Ethylbenzene                    | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Xylene (p/m)                    | ND             | 0.00200  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Xylene (o)                      | ND             | 0.00100  | mg/L   | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 87.6 %         |          | 80-120 |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 100 %          |          | 80-120 |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:04 | EPA 8021B |        |
| <b>Methane</b>                  | <b>0.00382</b> | 0.000500 | mg/L   | 1 | P2C2107 | 03/14/22 12:43 | 03/14/22 12:43 | 8015M     | SUB-13 |
| Ethane                          | ND             | 0.00100  | mg/L   | 1 | P2C2107 | 03/14/22 12:43 | 03/14/22 12:43 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00339</b> | 0.00100  | mg/L   | 1 | P2C2107 | 03/14/22 12:43 | 03/14/22 12:43 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                        |              |       |      |   |         |                |                |           |        |
|------------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand | ND           | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| <b>Nitrate as N</b>    | <b>0.849</b> | 0.200 | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/10/22 23:45 | EPA 300.0 |        |
| <b>Sulfate</b>         | <b>40.6</b>  | 1.00  | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/10/22 23:45 | EPA 300.0 |        |
| Total Organic Carbon   | ND           | 10.0  | mg/L | 1 | P2C2107 | 03/16/22 18:09 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |        |      |   |         |                |                |           |      |
|------------------|---------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>0.0752</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:08 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.0416</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:08 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-14**  
**2C10003-03 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |      |   |         |                |                |           |        |
|---------------------------------|----------------|---------|------|---|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND             | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| <b>Toluene</b>                  | <b>0.00100</b> | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| <b>Ethylbenzene</b>             | <b>0.00481</b> | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| Xylene (p/m)                    | ND             | 0.00200 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| Xylene (o)                      | ND             | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 90.0 %         | 80-120  |      |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 100 %          | 80-120  |      |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:24 | EPA 8021B |        |
| <b>Methane</b>                  | <b>0.404</b>   | 0.0100  | mg/L | 1 | P2C2107 | 03/14/22 13:09 | 03/14/22 13:09 | 8015M     | SUB-13 |
| <b>Ethane</b>                   | <b>0.00159</b> | 0.00100 | mg/L | 1 | P2C2107 | 03/14/22 13:09 | 03/14/22 13:09 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00212</b> | 0.00100 | mg/L | 1 | P2C2107 | 03/14/22 13:09 | 03/14/22 13:09 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>156</b>  | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/11/22 00:04 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>3.68</b> | 1.00  | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/11/22 00:04 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>46.5</b> | 10.0  | mg/L | 1 | P2C2107 | 03/16/22 18:23 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |      |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>2.04</b>  | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:12 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.265</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:12 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-9**  
**2C10003-04 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |      |   |         |                |                |           |        |
|---------------------------------|----------------|---------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Benzene</b>                  | <b>0.299</b>   | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| <b>Toluene</b>                  | <b>0.00116</b> | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| <b>Ethylbenzene</b>             | <b>0.0347</b>  | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| <b>Xylene (p/m)</b>             | <b>0.00647</b> | 0.00200 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| Xylene (o)                      | ND             | 0.00100 | mg/L | 1 | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 87.3 %         | 80-120  |      |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 98.7 %         | 80-120  |      |   | P2C1402 | 03/14/22 09:03 | 03/14/22 20:45 | EPA 8021B |        |
| <b>Methane</b>                  | <b>0.683</b>   | 0.0250  | mg/L | 1 | P2C2107 | 03/14/22 13:20 | 03/14/22 13:20 | 8015M     | SUB-13 |
| <b>Ethane</b>                   | <b>0.00155</b> | 0.00100 | mg/L | 1 | P2C2107 | 03/14/22 13:20 | 03/14/22 13:20 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00617</b> | 0.00100 | mg/L | 1 | P2C2107 | 03/14/22 13:20 | 03/14/22 13:20 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>161</b>  | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/11/22 00:23 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>5.54</b> | 1.00  | mg/L | 1 | P2C1011 | 03/10/22 15:14 | 03/11/22 00:23 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>51.9</b> | 10.0  | mg/L | 1 | P2C2107 | 03/16/22 18:36 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |      |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>12.0</b>  | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:16 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.618</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:16 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1402 - General Preparation (GC)**

**Blank (P2C1402-BLK1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.106 |         | "    | 0.120 |  | 87.9 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119 |         | "    | 0.120 |  | 99.4 | 80-120 |  |  |  |

**LCS (P2C1402-BS1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.105 | 0.00100 | mg/L | 0.100 |  | 105  | 80-120 |  |  |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.112 | 0.00100 | "    | 0.100 |  | 112  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 116  | 80-120 |  |  |  |
| Xylene (o)                      | 0.105 | 0.00100 | "    | 0.100 |  | 105  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.115 |         | "    | 0.120 |  | 95.8 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |

**LCS Dup (P2C1402-BSD1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |       |    |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|-------|----|--|
| Benzene                         | 0.106 | 0.00100 | mg/L | 0.100 |  | 106  | 80-120 | 0.964 | 20 |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 | 0.203 | 20 |  |
| Ethylbenzene                    | 0.115 | 0.00100 | "    | 0.100 |  | 115  | 80-120 | 3.45  | 20 |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 117  | 80-120 | 0.236 | 20 |  |
| Xylene (o)                      | 0.104 | 0.00100 | "    | 0.100 |  | 104  | 80-120 | 0.918 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.113 |         | "    | 0.120 |  | 94.5 | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |       |    |  |

**Calibration Check (P2C1402-CCV1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.106 | 0.00100 | mg/L | 0.100 |  | 106  | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.106 | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.225 | 0.00200 | "    | 0.200 |  | 113  | 80-120 |  |  |  |
| Xylene (o)                      | 0.102 | 0.00100 | "    | 0.100 |  | 102  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.111 |         | "    | 0.120 |  | 92.3 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1402 - General Preparation (GC)**

**Calibration Check (P2C1402-CCV2)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.105 | 0.00100 | "    | 0.100 |  | 105  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.224 | 0.00200 | "    | 0.200 |  | 112  | 80-120 |  |  |  |
| Xylene (o)                      | 0.106 | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.114 |         | "    | 0.120 |  | 95.0 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.124 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |

**Calibration Check (P2C1402-CCV3)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.110 | 0.00100 | "    | 0.100 |  | 110  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.235 | 0.00200 | "    | 0.200 |  | 117  | 80-120 |  |  |  |
| Xylene (o)                      | 0.111 | 0.00100 | "    | 0.100 |  | 111  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.109 |         | "    | 0.120 |  | 91.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.123 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |

**Matrix Spike (P2C1402-MS1)**

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |    |      |        |  |  |       |
|---------------------------------|-------|---------|------|-------|----|------|--------|--|--|-------|
| Benzene                         | 0.124 | 0.00100 | mg/L | 0.100 | ND | 124  | 80-120 |  |  | QM-05 |
| Toluene                         | 0.118 | 0.00100 | "    | 0.100 | ND | 118  | 80-120 |  |  |       |
| Ethylbenzene                    | 0.159 | 0.00100 | "    | 0.100 | ND | 159  | 80-120 |  |  | QM-05 |
| Xylene (p/m)                    | 0.282 | 0.00200 | "    | 0.200 | ND | 141  | 80-120 |  |  | QM-05 |
| Xylene (o)                      | 0.129 | 0.00100 | "    | 0.100 | ND | 129  | 80-120 |  |  | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.113 |         | "    | 0.120 |    | 93.8 | 80-120 |  |  |       |
| Surrogate: 1,4-Difluorobenzene  | 0.122 |         | "    | 0.120 |    | 101  | 80-120 |  |  |       |

**Matrix Spike Dup (P2C1402-MSD1)**

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |    |      |        |      |    |       |
|---------------------------------|-------|---------|------|-------|----|------|--------|------|----|-------|
| Benzene                         | 0.122 | 0.00100 | mg/L | 0.100 | ND | 122  | 80-120 | 1.69 | 20 | QM-05 |
| Toluene                         | 0.121 | 0.00100 | "    | 0.100 | ND | 121  | 80-120 | 2.61 | 20 | QM-05 |
| Ethylbenzene                    | 0.140 | 0.00100 | "    | 0.100 | ND | 140  | 80-120 | 13.0 | 20 | QM-05 |
| Xylene (p/m)                    | 0.266 | 0.00200 | "    | 0.200 | ND | 133  | 80-120 | 5.83 | 20 | QM-05 |
| Xylene (o)                      | 0.121 | 0.00100 | "    | 0.100 | ND | 121  | 80-120 | 6.73 | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.112 |         | "    | 0.120 |    | 93.0 | 80-120 |      |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.123 |         | "    | 0.120 |    | 103  | 80-120 |      |    |       |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte                                     | Result | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                          | %REC<br>Limits | RPD     | RPD<br>Limit | Notes |
|---------------------------------------------|--------|--------------------|-------|---------------------------------------|------------------|-------------------------------|----------------|---------|--------------|-------|
| <b>Batch P2C1011 - *** DEFAULT PREP ***</b> |        |                    |       |                                       |                  |                               |                |         |              |       |
| <b>Blank (P2C1011-BLK1)</b>                 |        |                    |       | Prepared & Analyzed: 03/10/22         |                  |                               |                |         |              |       |
| Nitrate as N                                | ND     | 0.200              | mg/L  |                                       |                  |                               |                |         |              |       |
| Sulfate                                     | ND     | 1.00               | "     |                                       |                  |                               |                |         |              |       |
| <b>LCS (P2C1011-BS1)</b>                    |        |                    |       | Prepared & Analyzed: 03/10/22         |                  |                               |                |         |              |       |
| Sulfate                                     | 42.7   |                    | mg/L  | 40.0                                  |                  | 107                           | 90-110         |         |              |       |
| Nitrate as N                                | 3.96   |                    | "     | 4.00                                  |                  | 99.1                          | 90-110         |         |              |       |
| <b>LCS Dup (P2C1011-BSD1)</b>               |        |                    |       | Prepared & Analyzed: 03/10/22         |                  |                               |                |         |              |       |
| Sulfate                                     | 42.9   |                    | mg/L  | 40.0                                  |                  | 107                           | 90-110         | 0.509   | 10           |       |
| Nitrate as N                                | 3.95   |                    | "     | 4.00                                  |                  | 98.8                          | 90-110         | 0.379   | 10           |       |
| <b>Calibration Blank (P2C1011-CCB1)</b>     |        |                    |       | Prepared & Analyzed: 03/10/22         |                  |                               |                |         |              |       |
| Sulfate                                     | -0.164 |                    | mg/L  |                                       |                  |                               |                |         |              |       |
| Nitrate as N                                | 0.00   |                    | "     |                                       |                  |                               |                |         |              |       |
| <b>Calibration Check (P2C1011-CCV2)</b>     |        |                    |       | Prepared: 03/10/22 Analyzed: 03/11/22 |                  |                               |                |         |              |       |
| Sulfate                                     | 20.9   |                    | mg/L  | 20.0                                  |                  | 104                           | 90-110         |         |              |       |
| Nitrate as N                                | 1.93   |                    | "     | 2.00                                  |                  | 96.4                          | 90-110         |         |              |       |
| <b>Matrix Spike (P2C1011-MS1)</b>           |        |                    |       | <b>Source: 2C10003-01</b>             |                  | Prepared & Analyzed: 03/10/22 |                |         |              |       |
| Nitrate as N                                | 0.478  | 0.200              | mg/L  | 0.400                                 | 0.163            | 78.7                          | 80-120         |         |              | QM-05 |
| Sulfate                                     | 38.6   | 1.00               | "     | 4.00                                  | 35.1             | 88.8                          | 80-120         |         |              |       |
| <b>Matrix Spike Dup (P2C1011-MSD1)</b>      |        |                    |       | <b>Source: 2C10003-01</b>             |                  | Prepared & Analyzed: 03/10/22 |                |         |              |       |
| Nitrate as N                                | 0.479  | 0.200              | mg/L  | 0.400                                 | 0.163            | 79.0                          | 80-120         | 0.209   | 20           | QM-05 |
| Sulfate                                     | 38.7   | 1.00               | "     | 4.00                                  | 35.1             | 88.9                          | 80-120         | 0.00776 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1501 - \*\*\* DEFAULT PREP \*\*\***

|                                         |      |                           |      |                               |    |      |        |      |    |  |
|-----------------------------------------|------|---------------------------|------|-------------------------------|----|------|--------|------|----|--|
| <b>Blank (P2C1501-BLK1)</b>             |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | ND   | 1.10                      | mg/L |                               |    |      |        |      |    |  |
| <b>Blank (P2C1501-BLK2)</b>             |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | ND   | 1.10                      | mg/L |                               |    |      |        |      |    |  |
| <b>LCS (P2C1501-BS1)</b>                |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 96.0 | 1.10                      | mg/L | 100                           |    | 96.0 | 80-120 |      |    |  |
| <b>LCS (P2C1501-BS2)</b>                |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 1070 | 1.10                      | mg/L | 1000                          |    | 107  | 80-120 |      |    |  |
| <b>LCS Dup (P2C1501-BSD1)</b>           |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 102  | 1.10                      | mg/L | 100                           |    | 102  | 80-120 | 6.06 | 20 |  |
| <b>LCS Dup (P2C1501-BSD2)</b>           |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 1100 | 1.10                      | mg/L | 1000                          |    | 110  | 80-120 | 2.68 | 20 |  |
| <b>Calibration Check (P2C1501-CCV1)</b> |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 98.0 | 1.10                      | mg/L | 100                           |    | 98.0 | 80-120 |      |    |  |
| <b>Calibration Check (P2C1501-CCV2)</b> |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 99.0 | 1.10                      | mg/L | 100                           |    | 99.0 | 80-120 |      |    |  |
| <b>Calibration Check (P2C1501-CCV3)</b> |      |                           |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | 98.0 | 1.10                      | mg/L | 100                           |    | 98.0 | 80-120 |      |    |  |
| <b>Duplicate (P2C1501-DUP1)</b>         |      | <b>Source: 2C09003-03</b> |      | Prepared & Analyzed: 03/15/22 |    |      |        |      |    |  |
| Chemical Oxygen Demand                  | ND   | 1.10                      | mg/L |                               | ND |      |        |      | 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: SPS-11_MNA           |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS-11    |
| Midland TX, 79705             | Project Manager: Curt Stanley |

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

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

Batch P2C1501 - \*\*\* DEFAULT PREP \*\*\*

|                                 |                    |      |      |                               |      |     |        |      |    |  |
|---------------------------------|--------------------|------|------|-------------------------------|------|-----|--------|------|----|--|
| Duplicate (P2C1501-DUP2)        | Source: 2C09015-01 |      |      | Prepared & Analyzed: 03/15/22 |      |     |        |      |    |  |
| Chemical Oxygen Demand          | 5290               | 1.10 | mg/L |                               | 4540 |     |        | 15.3 | 20 |  |
| Matrix Spike (P2C1501-MS1)      | Source: 2C09003-03 |      |      | Prepared & Analyzed: 03/15/22 |      |     |        |      |    |  |
| Chemical Oxygen Demand          | 118                | 1.10 | mg/L | 100                           | ND   | 118 | 80-120 |      |    |  |
| Matrix Spike Dup (P2C1501-MSD1) | Source: 2C09003-03 |      |      | Prepared & Analyzed: 03/15/22 |      |     |        |      |    |  |
| Chemical Oxygen Demand          | 105                | 1.10 | mg/L | 100                           | ND   | 105 | 80-120 | 11.7 | 20 |  |

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte                                     | Result    | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                                  | %REC<br>Limits | RPD  | RPD<br>Limit | Notes          |
|---------------------------------------------|-----------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|----------------|------|--------------|----------------|
| <b>Batch P2C1108 - *** DEFAULT PREP ***</b> |           |                    |       |                                       |                  |                                       |                |      |              |                |
| <b>Blank (P2C1108-BLK1)</b>                 |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Manganese                                   | ND        | 0.0200             | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Iron                                        | ND        | 0.0200             | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>LCS (P2C1108-BS1)</b>                    |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Manganese                                   | 0.225     | 0.0200             | mg/L  | 0.200                                 |                  | 113                                   | 80-120         |      |              | QAL1           |
| Iron                                        | 0.404     | 0.0200             | "     | 0.400                                 |                  | 101                                   | 80-120         |      |              | QAL1           |
| <b>LCS Dup (P2C1108-BSD1)</b>               |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Manganese                                   | 0.177     | 0.0200             | mg/L  | 0.200                                 |                  | 88.6                                  | 80-120         | 23.8 | 20           | QAL1,<br>QR-02 |
| Iron                                        | 0.339     | 0.0200             | "     | 0.400                                 |                  | 84.8                                  | 80-120         | 17.4 | 20           | QAL1           |
| <b>Calibration Blank (P2C1108-CCB1)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | -0.0123   |                    | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Manganese                                   | -0.000358 |                    | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>Calibration Blank (P2C1108-CCB2)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | -0.00838  |                    | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Manganese                                   | -0.000384 |                    | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>Calibration Check (P2C1108-CCV1)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.407     | 0.0200             | mg/L  | 0.400                                 |                  | 102                                   | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.213     | 0.0200             | "     | 0.200                                 |                  | 106                                   | 80-120         |      |              | QAL1           |
| <b>Calibration Check (P2C1108-CCV2)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.402     | 0.0200             | mg/L  | 0.400                                 |                  | 100                                   | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.222     | 0.0200             | "     | 0.200                                 |                  | 111                                   | 80-120         |      |              | QAL1           |
| <b>Matrix Spike (P2C1108-MS1)</b>           |           |                    |       | <b>Source: 2C09003-03</b>             |                  | Prepared: 03/11/22 Analyzed: 03/14/22 |                |      |              |                |
| Iron                                        | 0.414     | 0.0200             | mg/L  | 0.400                                 | 0.0365           | 94.3                                  | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.185     | 0.0200             | "     | 0.200                                 | 0.101            | 41.8                                  | 80-120         |      |              | QAL1,<br>QM-07 |

Permian Basin Environmental Lab, L.P.

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

|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11_MNA           |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS-11    |
| Midland TX, 79705             | Project Manager: Curt Stanley |

Dissolved Metals by EPA / Standard Methods - Quality Control  
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch P2C1108 - \*\*\* DEFAULT PREP \*\*\*

|                                 |                    |        |      |                                       |        |      |        |      |    |                |
|---------------------------------|--------------------|--------|------|---------------------------------------|--------|------|--------|------|----|----------------|
| Matrix Spike Dup (P2C1108-MSD1) | Source: 2C09003-03 |        |      | Prepared: 03/11/22 Analyzed: 03/14/22 |        |      |        |      |    |                |
| Iron                            | 0.400              | 0.0200 | mg/L | 0.400                                 | 0.0365 | 90.9 | 80-120 | 3.34 | 20 | QAL1           |
| Manganese                       | 0.181              | 0.0200 | "    | 0.200                                 | 0.101  | 40.0 | 80-120 | 1.98 | 20 | QAL1,<br>QM-07 |

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

### Notes and Definitions

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

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

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

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

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/23/2022

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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.



## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

**Phone: 432-661-4184**

Page 1 of 1

Page 16 of 32

**Project Manager:** Curt Stanley

**Project Name:** SPS-11

**Company Name** TRC Environmental Corporation

**Project #:** TNM SPS-11

**Company Address:** 10 Desta Drive, Ste 130E

**Project Loc:** Lea County, New Mexico

City/State/Zip: Midland/TX/79703

PO#:

Telephone No: (432)5207720

**Report Format:** ☒ Standard ☐ TRRP ☐ NPDES

**Sampler Signature:**

e-mail: [cdstanley@trccompanies.com](mailto:cdstanley@trccompanies.com)

**(lab use only)**

ORDER #: 2610003

clbryant@paalp.com

Analyze For:

|        |   |
|--------|---|
| TOTAL: | X |
|--------|---|

**Analyze For:**

[illegible]☒ Standard

☐ TRRP

NPDES

[illegible]



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

| Yes                                 | Notes                                                              |
|-------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Chain of custody signed/dated/time when relinquished and received? |
| <input checked="" type="checkbox"/> | Chain of custody signed/dated/time when relinquished and received? |
| <input checked="" type="checkbox"/> | Samplers name present on COC?                                      |
| <input checked="" type="checkbox"/> | Sample containers intact?                                          |
| <input checked="" type="checkbox"/> | Sample containers intact?                                          |
| <input checked="" type="checkbox"/> | Samples in proper container/bottle?                                |
| <input checked="" type="checkbox"/> | All samples received within holding time?                          |
| <input checked="" type="checkbox"/> | Analysis requested for all samples submitted?                      |
| <input checked="" type="checkbox"/> | Custody seals intact on shipping container/cooler?                 |

Login Notes:

Assorted poly  
ACL VOA  
VOA

2210003



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted  
Name:  
Date/Time:

NC Initiated by: Approved by:



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

March 17, 2022

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

Work Order: **HS22030614**

Laboratory Results for: **2C10003**

Dear Brent Barron,

ALS Environmental received 4 sample(s) on Mar 11, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

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

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

ALS Houston, US

Date: 17-Mar-22

Client: Permian Basin Environmental Lab, LP  
Project: 2C10003  
Work Order: HS22030614

SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|--------|-------|-------------------|-------------------|--------------------------|
| HS22030614-01 | 2C10003-01       | Water  |       | 09-Mar-2022 12:27 | 11-Mar-2022 09:25 | <input type="checkbox"/> |
| HS22030614-02 | 2C10003-02       | Water  |       | 09-Mar-2022 13:12 | 11-Mar-2022 09:25 | <input type="checkbox"/> |
| HS22030614-03 | 2C10003-03       | Water  |       | 09-Mar-2022 14:03 | 11-Mar-2022 09:25 | <input type="checkbox"/> |
| HS22030614-04 | 2C10003-04       | Water  |       | 09-Mar-2022 15:15 | 11-Mar-2022 09:25 | <input type="checkbox"/> |

ALS Houston, US

Date: 17-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C10003  
**Work Order:** HS22030614

**CASE NARRATIVE**

**GC Semivolatiles by Method RSK-175**

**Batch ID: R404149**

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

**WetChemistry by Method E415.1**

**Batch ID: R404318**

**Sample ID: 2C10003-01 (HS22030614-01)**

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

**Sample ID: 2C10003-02 (HS22030614-02)**

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C10003

Sample ID:2C10003-01

Collection Date:09-Mar-2022 12:27

ANALYTICAL REPORT

WorkOrder:HS22030614

Lab ID:HS22030614-01

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: PPM |                    |                   |
| Ethane                         | ND     |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 12:29 |
| Ethene                         | 1.86   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 12:29 |
| Methane                        | 22.9   |                | 0.500           | ug/L         | 1                  | 14-Mar-2022 12:29 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | ND     |                | 10.0            | mg/L         | 10                 | 16-Mar-2022 17:57 |

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



ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C10003

Sample ID:2C10003-02

Collection Date:09-Mar-2022 13:12

ANALYTICAL REPORT

WorkOrder:HS22030614

Lab ID:HS22030614-02

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: PPM |                    |                   |
| Ethane                         | ND     |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 12:43 |
| Ethene                         | 3.39   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 12:43 |
| Methane                        | 3.82   |                | 0.500           | ug/L         | 1                  | 14-Mar-2022 12:43 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | ND     |                | 10.0            | mg/L         | 10                 | 16-Mar-2022 18:09 |

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C10003

Sample ID:2C10003-03

Collection Date:09-Mar-2022 14:03

ANALYTICAL REPORT

WorkOrder:HS22030614

Lab ID:HS22030614-03

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: PPM |                    |                   |
| Ethane                         | 1.59   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 13:09 |
| Ethene                         | 2.12   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 13:09 |
| Methane                        | 404    |                | 10.0            | ug/L         | 20                 | 14-Mar-2022 16:43 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | 46.5   |                | 10.0            | mg/L         | 10                 | 16-Mar-2022 18:23 |

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

ALS Houston, US

Date: 17-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C10003

Sample ID:2C10003-04

Collection Date:09-Mar-2022 15:15

ANALYTICAL REPORT

WorkOrder:HS22030614

Lab ID:HS22030614-04

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: PPM |                    |                   |
| Ethane                         | 1.55   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 13:20 |
| Ethene                         | 6.17   |                | 1.00            | ug/L         | 1                  | 14-Mar-2022 13:20 |
| Methane                        | 683    |                | 25.0            | ug/L         | 50                 | 14-Mar-2022 16:51 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | 51.9   |                | 10.0            | mg/L         | 10                 | 16-Mar-2022 18:36 |

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

ALS Houston, US

Date: 17-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C10003  
**WorkOrder:** HS22030614

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                                   | Leachate Date | Prep Date | Analysis Date        | DF |
|--------------------------------|----------------|---------------------------------------------------|---------------|-----------|----------------------|----|
| <b>Batch ID:</b> R404149 ( 0 ) |                | <b>Test Name :</b> DISSOLVED GASES BY RSK-175     |               |           | <b>Matrix:</b> Water |    |
| HS22030614-01                  | 2C10003-01     | 09 Mar 2022 12:27                                 |               |           | 14 Mar 2022 12:29    | 1  |
| HS22030614-02                  | 2C10003-02     | 09 Mar 2022 13:12                                 |               |           | 14 Mar 2022 12:43    | 1  |
| HS22030614-03                  | 2C10003-03     | 09 Mar 2022 14:03                                 |               |           | 14 Mar 2022 16:43    | 20 |
| HS22030614-03                  | 2C10003-03     | 09 Mar 2022 14:03                                 |               |           | 14 Mar 2022 13:09    | 1  |
| HS22030614-04                  | 2C10003-04     | 09 Mar 2022 15:15                                 |               |           | 14 Mar 2022 16:51    | 50 |
| HS22030614-04                  | 2C10003-04     | 09 Mar 2022 15:15                                 |               |           | 14 Mar 2022 13:20    | 1  |
| <b>Batch ID:</b> R404318 ( 0 ) |                | <b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1 |               |           | <b>Matrix:</b> Water |    |
| HS22030614-01                  | 2C10003-01     | 09 Mar 2022 12:27                                 |               |           | 16 Mar 2022 17:57    | 10 |
| HS22030614-02                  | 2C10003-02     | 09 Mar 2022 13:12                                 |               |           | 16 Mar 2022 18:09    | 10 |
| HS22030614-03                  | 2C10003-03     | 09 Mar 2022 14:03                                 |               |           | 16 Mar 2022 18:23    | 10 |
| HS22030614-04                  | 2C10003-04     | 09 Mar 2022 15:15                                 |               |           | 16 Mar 2022 18:36    | 10 |

## ALS Houston, US

Date: 17-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C10003  
**WorkOrder:** HS22030614

## QC BATCH REPORT

| Batch ID: R404149 ( 0 ) |                        | Instrument: FID-4 |         | Method: DISSOLVED GASES BY RSK-175 |      |               |               |      |                |
|-------------------------|------------------------|-------------------|---------|------------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>             | Sample ID: MBLK-220314 | Units: ug/L       |         | Analysis Date: 14-Mar-2022 09:18   |      |               |               |      |                |
| Client ID:              | Run ID: FID-4_404149   | SeqNo: 6544629    |         | 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             |         |                                    |      |               |               |      |                |

| <b>LCS</b> | Sample ID: LCS-220314 | Units: ug/L    |         | Analysis Date: 14-Mar-2022 09:26 |      |               |               |      |                |
|------------|-----------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_404149  | SeqNo: 6544630 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | 16.03                 | 1.00           | 18.04   | 0                                | 88.9 | 75 - 125      |               |      |                |
| Ethene     | 16.02                 | 1.00           | 16.8    | 0                                | 95.3 | 75 - 125      |               |      |                |
| Methane    | 11.78                 | 0.500          | 9.647   | 0                                | 122  | 75 - 125      |               |      |                |

| <b>LCSD</b> | Sample ID: LCSD-220314 | Units: ug/L    |         | Analysis Date: 14-Mar-2022 09:38 |      |               |               |      |                |
|-------------|------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:  | Run ID: FID-4_404149   | SeqNo: 6544631 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte     | Result                 | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane      | 14.78                  | 1.00           | 18.04   | 0                                | 81.9 | 75 - 125      | 16.03         | 8.12 | 30             |
| Ethene      | 15.78                  | 1.00           | 16.8    | 0                                | 93.9 | 75 - 125      | 16.02         | 1.49 | 30             |
| Methane     | 9.913                  | 0.500          | 9.647   | 0                                | 103  | 75 - 125      | 11.78         | 17.2 | 30             |

| <b>DUP</b> | Sample ID: HS22030564-03DUP | Units: ug/L    |         | Analysis Date: 14-Mar-2022 15:23 |      |               |               |      |                |
|------------|-----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_404149        | SeqNo: 6544658 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                      | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | ND                          | 1.00           |         |                                  |      |               | 0             | 0    | 30             |
| Ethene     | 1.682                       | 1.00           |         |                                  |      |               | 1.547         | 8.36 | 30             |
| Methane    | 19.78                       | 0.500          |         |                                  |      |               | 15.8          | 22.4 | 30             |

The following samples were analyzed in this batch:

|               |               |               |               |
|---------------|---------------|---------------|---------------|
| HS22030614-01 | HS22030614-02 | HS22030614-03 | HS22030614-04 |
|---------------|---------------|---------------|---------------|

## ALS Houston, US

Date: 17-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C10003  
**WorkOrder:** HS22030614

## QC BATCH REPORT

| Batch ID: R404318 ( 0 )                            |                            | Instrument: TOC_04 |         | Method: TOTAL ORGANIC CARBON BY E415.1 |      |               |               |          |                |
|----------------------------------------------------|----------------------------|--------------------|---------|----------------------------------------|------|---------------|---------------|----------|----------------|
| <b>MBLK</b>                                        | Sample ID: MBLK-03162022   | Units: mg/L        |         | Analysis Date: 16-Mar-2022 15:10       |      |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404318      | SeqNo: 6548111     |         | 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               |         |                                        |      |               |               |          |                |
| <b>LCS</b>                                         | Sample ID: LCS-03162022    | Units: mg/L        |         | Analysis Date: 16-Mar-2022 15:24       |      |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404318      | SeqNo: 6548112     |         | 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                              | 9.51                       | 1.00               | 10      | 0                                      | 95.1 | 85 - 115      |               |          |                |
| <b>LCSD</b>                                        | Sample ID: LCSD-03162022   | Units: mg/L        |         | Analysis Date: 16-Mar-2022 15:38       |      |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404318      | SeqNo: 6548113     |         | 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                              | 9.497                      | 1.00               | 10      | 0                                      | 95.0 | 85 - 115      | 9.51          | 0.137    | 20             |
| <b>MS</b>                                          | Sample ID: HS22030564-01MS | Units: mg/L        |         | Analysis Date: 16-Mar-2022 16:04       |      |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404318      | SeqNo: 6548115     |         | PrepDate:                              |      | DF: 10        |               |          |                |
| Analyte                                            | Result                     | PQL                | SPK Val | SPK Ref Value                          | %REC | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Organic Carbon, Total                              | 110.7                      | 10.0               | 100     | -5.901                                 | 117  | 80 - 120      |               |          |                |
| The following samples were analyzed in this batch: |                            |                    |         |                                        |      |               |               |          |                |
| HS22030614-01                                      |                            | HS22030614-02      |         | HS22030614-03                          |      | HS22030614-04 |               |          |                |

## ALS Houston, US

Date: 17-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C10003  
**WorkOrder:** HS22030614

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>                                                        |
|------------------|---------------------------------------------------------------------------|
| *                | 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                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| 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: 17-Mar-22

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

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



ALS Houston, US

Date: 17-Mar-22

## Sample Receipt Checklist

Work Order ID: HS22030614

Date/Time Received: 11-Mar-2022 09:25

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

|                                  |                   |                                     |                   |
|----------------------------------|-------------------|-------------------------------------|-------------------|
| Completed By: /S/ Paresh M. Giga | 11-Mar-2022 12:03 | Reviewed by: /S/ Bernadette A. Fini | 11-Mar-2022 14:27 |
| eSignature                       | Date/Time         | eSignature                          | Date/Time         |

Matrices: WaterCarrier name: FedEx Priority Overnight

|                                                         |                                         |                                        |                                                 |
|---------------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | COC IDs:none                                    |
| Samplers name present on COC?                           | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |                                                 |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Temperature(s)/Thermometer(s):                          | 1.5C/2.0c U/C IR31                      |                                        |                                                 |
| Cooler(s)/Kit(s):                                       | Red                                     |                                        |                                                 |
| Date/Time sample(s) sent to storage:                    | 3/11/2022 12:20                         |                                        |                                                 |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/>         |
| pH adjusted?                                            | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | N/A <input checked="" type="checkbox"/>         |
| pH adjusted by:                                         |                                         |                                        |                                                 |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-686-7235  
PBELAB\_SUB\_COC V2

**HS22030614**

Permian Basin Environmental Lab, LP  
2C1003



**Report Format:** ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [brentbarron@pbelab.com](mailto:brentbarron@pbelab.com)

[illegible]



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



# Analytical Report

**Prepared for:**

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Location: Lea County, New Mexico  
Lab Order Number: 2C11001



**Current Certification**

Report Date: 03/23/22

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW-4      | 2C11001-01    | Water  | 03/10/22 14:05 | 03-11-2022 08:45 |
| MW-11     | 2C11001-02    | Water  | 03/10/22 15:07 | 03-11-2022 08:45 |

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

[https://www.tceq.texas.gov/assets/public/compliance/compliance\\_support/qa/labs/als\\_svcs\\_houston.pdf](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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-4**  
**2C11001-01 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |               |         |               |    |                |                       |                       |                  |        |
|----------------------------------------|---------------|---------|---------------|----|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>1.70</b>   | 0.0100  | mg/L          | 10 | P2C1402        | 03/14/22 09:03        | 03/15/22 09:57        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.111</b>  | 0.0100  | mg/L          | 10 | P2C1402        | 03/14/22 09:03        | 03/15/22 09:57        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>2.63</b>   | 0.0100  | mg/L          | 10 | P2C1402        | 03/14/22 09:03        | 03/15/22 09:57        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>2.22</b>   | 0.0200  | mg/L          | 10 | P2C1402        | 03/14/22 09:03        | 03/15/22 09:57        | EPA 8021B        |        |
| <b>Xylene (o)</b>                      | <b>0.652</b>  | 0.0100  | mg/L          | 10 | P2C1402        | 03/14/22 09:03        | 03/15/22 09:57        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>95.2 %</i> |         | <i>80-120</i> |    | <i>P2C1402</i> | <i>03/14/22 09:03</i> | <i>03/15/22 09:57</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>98.5 %</i> |         | <i>80-120</i> |    | <i>P2C1402</i> | <i>03/14/22 09:03</i> | <i>03/15/22 09:57</i> | <i>EPA 8021B</i> |        |
| <b>Methane</b>                         | <b>0.174</b>  | 0.00500 | mg/L          | 1  | P2C2107        | 03/16/22 13:07        | 03/16/22 13:07        | 8015M            | SUB-13 |
| Ethane                                 | ND            | 0.00100 | mg/L          | 1  | P2C2107        | 03/16/22 13:07        | 03/16/22 13:07        | 8015M            | SUB-13 |
| Ethene                                 | ND            | 0.00100 | mg/L          | 1  | P2C2107        | 03/16/22 13:07        | 03/16/22 13:07        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>27.0</b> | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| <b>Nitrate as N</b>           | <b>1.35</b> | 0.200 | mg/L | 1 | P2C1105 | 03/11/22 10:38 | 03/11/22 12:15 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>36.2</b> | 1.00  | mg/L | 1 | P2C1105 | 03/11/22 10:38 | 03/11/22 12:15 | EPA 300.0 |        |
| Total Organic Carbon          | ND          | 10.0  | mg/L | 1 | P2C2107 | 03/19/22 06:36 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |      |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>0.273</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:20 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.162</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:20 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-11**  
**2C11001-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |               |         |      |     |         |                |                |           |        |
|---------------------------------|---------------|---------|------|-----|---------|----------------|----------------|-----------|--------|
| <b>Benzene</b>                  | <b>9.18</b>   | 0.100   | mg/L | 100 | P2C1702 | 03/17/22 10:37 | 03/18/22 09:45 | EPA 8021B |        |
| <b>Toluene</b>                  | <b>0.0115</b> | 0.0100  | mg/L | 10  | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| <b>Ethylbenzene</b>             | <b>2.18</b>   | 0.0100  | mg/L | 10  | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| <b>Xylene (p/m)</b>             | <b>1.18</b>   | 0.0200  | mg/L | 10  | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| <b>Xylene (o)</b>               | <b>0.0898</b> | 0.0100  | mg/L | 10  | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 93.2 %        |         |      |     | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 104 %         |         |      |     | P2C1702 | 03/17/22 10:37 | 03/17/22 18:37 | EPA 8021B |        |
| <b>Methane</b>                  | <b>7.98</b>   | 0.200   | mg/L | 1   | P2C2107 | 03/16/22 13:18 | 03/16/22 13:18 | 8015M     | SUB-13 |
| <b>Ethane</b>                   | <b>0.0302</b> | 0.00100 | mg/L | 1   | P2C2107 | 03/16/22 13:18 | 03/16/22 13:18 | 8015M     | SUB-13 |
| Ethene                          | ND            | 0.00100 | mg/L | 1   | P2C2107 | 03/16/22 13:18 | 03/16/22 13:18 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>65.0</b> | 1.10  | mg/L | 1 | P2C1501 | 03/15/22 13:50 | 03/15/22 13:50 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2C1105 | 03/11/22 10:38 | 03/11/22 13:12 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>4.34</b> | 1.00  | mg/L | 1 | P2C1105 | 03/11/22 10:38 | 03/11/22 13:12 | EPA 300.0 |        |
| Total Organic Carbon          | ND          | 10.0  | mg/L | 1 | P2C2107 | 03/19/22 06:48 | 03/22/22 09:14 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |      |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>3.05</b>  | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:24 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.214</b> | 0.0200 | mg/L | 1 | P2C1108 | 03/11/22 13:34 | 03/14/22 15:24 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

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

**Batch P2C1402 - General Preparation (GC)**

**Blank (P2C1402-BLK1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.106 |         | "    | 0.120 |  | 87.9 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119 |         | "    | 0.120 |  | 99.4 | 80-120 |  |  |  |

**LCS (P2C1402-BS1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.105 | 0.00100 | mg/L | 0.100 |  | 105  | 80-120 |  |  |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.112 | 0.00100 | "    | 0.100 |  | 112  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 116  | 80-120 |  |  |  |
| Xylene (o)                      | 0.105 | 0.00100 | "    | 0.100 |  | 105  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.115 |         | "    | 0.120 |  | 95.8 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |

**LCS Dup (P2C1402-BSD1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |       |    |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|-------|----|--|
| Benzene                         | 0.106 | 0.00100 | mg/L | 0.100 |  | 106  | 80-120 | 0.964 | 20 |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 | 0.203 | 20 |  |
| Ethylbenzene                    | 0.115 | 0.00100 | "    | 0.100 |  | 115  | 80-120 | 3.45  | 20 |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 117  | 80-120 | 0.236 | 20 |  |
| Xylene (o)                      | 0.104 | 0.00100 | "    | 0.100 |  | 104  | 80-120 | 0.918 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.113 |         | "    | 0.120 |  | 94.5 | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |       |    |  |

**Calibration Check (P2C1402-CCV1)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.106 | 0.00100 | mg/L | 0.100 |  | 106  | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.106 | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.225 | 0.00200 | "    | 0.200 |  | 113  | 80-120 |  |  |  |
| Xylene (o)                      | 0.102 | 0.00100 | "    | 0.100 |  | 102  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.111 |         | "    | 0.120 |  | 92.3 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.122 |         | "    | 0.120 |  | 102  | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1402 - General Preparation (GC)**

**Calibration Check (P2C1402-CCV2)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.105 | 0.00100 | "    | 0.100 |  | 105  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.224 | 0.00200 | "    | 0.200 |  | 112  | 80-120 |  |  |  |
| Xylene (o)                      | 0.106 | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.114 |         | "    | 0.120 |  | 95.0 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.124 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |

**Calibration Check (P2C1402-CCV3)**

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.110 | 0.00100 | "    | 0.100 |  | 110  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.235 | 0.00200 | "    | 0.200 |  | 117  | 80-120 |  |  |  |
| Xylene (o)                      | 0.111 | 0.00100 | "    | 0.100 |  | 111  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.109 |         | "    | 0.120 |  | 91.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.123 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |

**Matrix Spike (P2C1402-MS1)**

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |    |      |        |  |  |       |
|---------------------------------|-------|---------|------|-------|----|------|--------|--|--|-------|
| Benzene                         | 0.124 | 0.00100 | mg/L | 0.100 | ND | 124  | 80-120 |  |  | QM-05 |
| Toluene                         | 0.118 | 0.00100 | "    | 0.100 | ND | 118  | 80-120 |  |  |       |
| Ethylbenzene                    | 0.159 | 0.00100 | "    | 0.100 | ND | 159  | 80-120 |  |  | QM-05 |
| Xylene (p/m)                    | 0.282 | 0.00200 | "    | 0.200 | ND | 141  | 80-120 |  |  | QM-05 |
| Xylene (o)                      | 0.129 | 0.00100 | "    | 0.100 | ND | 129  | 80-120 |  |  | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.113 |         | "    | 0.120 |    | 93.8 | 80-120 |  |  |       |
| Surrogate: 1,4-Difluorobenzene  | 0.122 |         | "    | 0.120 |    | 101  | 80-120 |  |  |       |

**Matrix Spike Dup (P2C1402-MSD1)**

Source: 2C09003-01

Prepared & Analyzed: 03/14/22

|                                 |       |         |      |       |    |      |        |      |    |       |
|---------------------------------|-------|---------|------|-------|----|------|--------|------|----|-------|
| Benzene                         | 0.122 | 0.00100 | mg/L | 0.100 | ND | 122  | 80-120 | 1.69 | 20 | QM-05 |
| Toluene                         | 0.121 | 0.00100 | "    | 0.100 | ND | 121  | 80-120 | 2.61 | 20 | QM-05 |
| Ethylbenzene                    | 0.140 | 0.00100 | "    | 0.100 | ND | 140  | 80-120 | 13.0 | 20 | QM-05 |
| Xylene (p/m)                    | 0.266 | 0.00200 | "    | 0.200 | ND | 133  | 80-120 | 5.83 | 20 | QM-05 |
| Xylene (o)                      | 0.121 | 0.00100 | "    | 0.100 | ND | 121  | 80-120 | 6.73 | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.112 |         | "    | 0.120 |    | 93.0 | 80-120 |      |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.123 |         | "    | 0.120 |    | 103  | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1702 - General Preparation (GC)**

**Blank (P2C1702-BLK1)**

Prepared & Analyzed: 03/17/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.110 |         | "    | 0.120 |  | 91.7 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |  | 100  | 80-120 |  |  |  |

**LCS (P2C1702-BS1)**

Prepared & Analyzed: 03/17/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.101 | 0.00100 | mg/L | 0.100 |  | 101  | 80-120 |  |  |  |
| Toluene                         | 0.104 | 0.00100 | "    | 0.100 |  | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.119 | 0.00100 | "    | 0.100 |  | 119  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.230 | 0.00200 | "    | 0.200 |  | 115  | 80-120 |  |  |  |
| Xylene (o)                      | 0.103 | 0.00100 | "    | 0.100 |  | 103  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117 |         | "    | 0.120 |  | 97.1 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |

**LCS Dup (P2C1702-BS1)**

Prepared & Analyzed: 03/17/22

|                                 |       |         |      |       |  |      |        |      |    |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|------|----|--|
| Benzene                         | 0.104 | 0.00100 | mg/L | 0.100 |  | 104  | 80-120 | 2.65 | 20 |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 | 3.18 | 20 |  |
| Ethylbenzene                    | 0.116 | 0.00100 | "    | 0.100 |  | 116  | 80-120 | 2.81 | 20 |  |
| Xylene (p/m)                    | 0.238 | 0.00200 | "    | 0.200 |  | 119  | 80-120 | 3.61 | 20 |  |
| Xylene (o)                      | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 | 3.96 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.116 |         | "    | 0.120 |  | 96.6 | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.122 |         | "    | 0.120 |  | 102  | 80-120 |      |    |  |

**Calibration Check (P2C1702-CCV1)**

Prepared & Analyzed: 03/17/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0998 | 0.00100 | mg/L | 0.100 |  | 99.8 | 80-120 |  |  |  |
| Toluene                         | 0.102  | 0.00100 | "    | 0.100 |  | 102  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.103  | 0.00100 | "    | 0.100 |  | 103  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.216  | 0.00200 | "    | 0.200 |  | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0995 | 0.00100 | "    | 0.100 |  | 99.5 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.115  |         | "    | 0.120 |  | 95.5 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.122  |         | "    | 0.120 |  | 102  | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1702 - General Preparation (GC)**

**Calibration Check (P2C1702-CCV2)**

Prepared & Analyzed: 03/17/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.114 | 0.00100 | mg/L | 0.100 |  | 114  | 80-120 |  |  |  |
| Toluene                         | 0.101 | 0.00100 | "    | 0.100 |  | 101  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.104 | 0.00100 | "    | 0.100 |  | 104  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.219 | 0.00200 | "    | 0.200 |  | 110  | 80-120 |  |  |  |
| Xylene (o)                      | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.108 |         | "    | 0.120 |  | 89.6 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 100  | 80-120 |  |  |  |

**Calibration Check (P2C1702-CCV3)**

Prepared: 03/17/22 Analyzed: 03/18/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.112 | 0.00100 | mg/L | 0.100 |  | 112  | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.112 | 0.00100 | "    | 0.100 |  | 112  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.235 | 0.00200 | "    | 0.200 |  | 117  | 80-120 |  |  |  |
| Xylene (o)                      | 0.114 | 0.00100 | "    | 0.100 |  | 114  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.110 |         | "    | 0.120 |  | 92.0 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |  | 99.9 | 80-120 |  |  |  |

**Matrix Spike (P2C1702-MS1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

|                                 |       |         |      |       |          |      |        |  |  |       |
|---------------------------------|-------|---------|------|-------|----------|------|--------|--|--|-------|
| Benzene                         | 0.123 | 0.00100 | mg/L | 0.100 | 0.000890 | 123  | 80-120 |  |  | QM-05 |
| Toluene                         | 0.115 | 0.00100 | "    | 0.100 | ND       | 115  | 80-120 |  |  |       |
| Ethylbenzene                    | 0.131 | 0.00100 | "    | 0.100 | 0.00175  | 129  | 80-120 |  |  | QM-05 |
| Xylene (p/m)                    | 0.249 | 0.00200 | "    | 0.200 | 0.00125  | 124  | 80-120 |  |  | QM-05 |
| Xylene (o)                      | 0.118 | 0.00100 | "    | 0.100 | ND       | 118  | 80-120 |  |  |       |
| Surrogate: 4-Bromofluorobenzene | 0.109 |         | "    | 0.120 |          | 91.1 | 80-120 |  |  |       |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |          | 101  | 80-120 |  |  |       |

**Matrix Spike Dup (P2C1702-MSD1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

|                                 |       |         |      |       |          |      |        |       |    |       |
|---------------------------------|-------|---------|------|-------|----------|------|--------|-------|----|-------|
| Benzene                         | 0.129 | 0.00100 | mg/L | 0.100 | 0.000890 | 128  | 80-120 | 4.17  | 20 | QM-05 |
| Toluene                         | 0.116 | 0.00100 | "    | 0.100 | ND       | 116  | 80-120 | 0.977 | 20 |       |
| Ethylbenzene                    | 0.133 | 0.00100 | "    | 0.100 | 0.00175  | 131  | 80-120 | 1.92  | 20 | QM-05 |
| Xylene (p/m)                    | 0.256 | 0.00200 | "    | 0.200 | 0.00125  | 127  | 80-120 | 2.70  | 20 | QM-05 |
| Xylene (o)                      | 0.123 | 0.00100 | "    | 0.100 | ND       | 123  | 80-120 | 4.13  | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.109 |         | "    | 0.120 |          | 90.7 | 80-120 |       |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |          | 99.6 | 80-120 |       |    |       |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1105 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2C1105-BLK1)**

Prepared & Analyzed: 03/11/22

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

**LCS (P2C1105-BS1)**

Prepared & Analyzed: 03/11/22

|              |      |  |      |      |  |      |        |  |  |  |
|--------------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate      | 40.9 |  | mg/L | 40.0 |  | 102  | 90-110 |  |  |  |
| Nitrate as N | 3.76 |  | "    | 4.00 |  | 94.1 | 90-110 |  |  |  |

**LCS Dup (P2C1105-BSD1)**

Prepared & Analyzed: 03/11/22

|              |      |  |      |      |  |      |        |       |    |  |
|--------------|------|--|------|------|--|------|--------|-------|----|--|
| Sulfate      | 40.8 |  | mg/L | 40.0 |  | 102  | 90-110 | 0.316 | 10 |  |
| Nitrate as N | 3.76 |  | "    | 4.00 |  | 93.9 | 90-110 | 0.213 | 10 |  |

**Calibration Blank (P2C1105-CCB1)**

Prepared & Analyzed: 03/11/22

|              |      |  |      |  |  |  |  |  |  |  |
|--------------|------|--|------|--|--|--|--|--|--|--|
| Sulfate      | 0.00 |  | mg/L |  |  |  |  |  |  |  |
| Nitrate as N | 0.00 |  | "    |  |  |  |  |  |  |  |

**Calibration Check (P2C1105-CCV1)**

Prepared & Analyzed: 03/11/22

|              |      |  |      |      |  |      |        |  |  |  |
|--------------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate      | 20.4 |  | mg/L | 20.0 |  | 102  | 90-110 |  |  |  |
| Nitrate as N | 1.89 |  | "    | 2.00 |  | 94.3 | 90-110 |  |  |  |

**Calibration Check (P2C1105-CCV2)**

Prepared & Analyzed: 03/11/22

|              |      |  |      |      |  |      |        |  |  |  |
|--------------|------|--|------|------|--|------|--------|--|--|--|
| Nitrate as N | 1.90 |  | mg/L | 2.00 |  | 94.8 | 90-110 |  |  |  |
| Sulfate      | 20.6 |  | "    | 20.0 |  | 103  | 90-110 |  |  |  |

**Matrix Spike (P2C1105-MS1)**

Source: 2C11001-01

Prepared & Analyzed: 03/11/22

|              |      |       |      |       |      |      |        |  |  |  |
|--------------|------|-------|------|-------|------|------|--------|--|--|--|
| Nitrate as N | 1.71 | 0.200 | mg/L | 0.400 | 1.35 | 91.0 | 80-120 |  |  |  |
| Sulfate      | 40.2 | 1.00  | "    | 4.00  | 36.2 | 101  | 80-120 |  |  |  |

**Matrix Spike Dup (P2C1105-MSD1)**

Source: 2C11001-01

Prepared & Analyzed: 03/11/22

|              |      |       |      |       |      |      |        |       |    |  |
|--------------|------|-------|------|-------|------|------|--------|-------|----|--|
| Sulfate      | 39.9 | 1.00  | mg/L | 4.00  | 36.2 | 91.8 | 80-120 | 0.921 | 20 |  |
| Nitrate as N | 1.69 | 0.200 | "    | 0.400 | 1.35 | 85.5 | 80-120 | 1.29  | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte                                     | Result | Reporting<br>Limit        | Units | Spike<br>Level                | Source<br>Result | %REC | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------------------|--------|---------------------------|-------|-------------------------------|------------------|------|----------------|------|--------------|-------|
| <b>Batch P2C1501 - *** DEFAULT PREP ***</b> |        |                           |       |                               |                  |      |                |      |              |       |
| <b>Blank (P2C1501-BLK1)</b>                 |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | ND     | 1.10                      | mg/L  |                               |                  |      |                |      |              |       |
| <b>Blank (P2C1501-BLK2)</b>                 |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | ND     | 1.10                      | mg/L  |                               |                  |      |                |      |              |       |
| <b>LCS (P2C1501-BS1)</b>                    |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 96.0   | 1.10                      | mg/L  | 100                           |                  | 96.0 | 80-120         |      |              |       |
| <b>LCS (P2C1501-BS2)</b>                    |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 1070   | 1.10                      | mg/L  | 1000                          |                  | 107  | 80-120         |      |              |       |
| <b>LCS Dup (P2C1501-BSD1)</b>               |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 102    | 1.10                      | mg/L  | 100                           |                  | 102  | 80-120         | 6.06 | 20           |       |
| <b>LCS Dup (P2C1501-BSD2)</b>               |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 1100   | 1.10                      | mg/L  | 1000                          |                  | 110  | 80-120         | 2.68 | 20           |       |
| <b>Calibration Check (P2C1501-CCV1)</b>     |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 98.0   | 1.10                      | mg/L  | 100                           |                  | 98.0 | 80-120         |      |              |       |
| <b>Calibration Check (P2C1501-CCV2)</b>     |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 99.0   | 1.10                      | mg/L  | 100                           |                  | 99.0 | 80-120         |      |              |       |
| <b>Calibration Check (P2C1501-CCV3)</b>     |        |                           |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 98.0   | 1.10                      | mg/L  | 100                           |                  | 98.0 | 80-120         |      |              |       |
| <b>Duplicate (P2C1501-DUP1)</b>             |        | <b>Source: 2C09003-03</b> |       | Prepared & Analyzed: 03/15/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | ND     | 1.10                      | mg/L  |                               | ND               |      |                |      | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2C1501 - \*\*\* DEFAULT PREP \*\*\***

|                                        |      |                           |      |     |                               |     |        |      |    |  |
|----------------------------------------|------|---------------------------|------|-----|-------------------------------|-----|--------|------|----|--|
| <b>Duplicate (P2C1501-DUP2)</b>        |      | <b>Source: 2C09015-01</b> |      |     | Prepared & Analyzed: 03/15/22 |     |        |      |    |  |
| Chemical Oxygen Demand                 | 5290 | 1.10                      | mg/L |     | 4540                          |     |        | 15.3 | 20 |  |
| <b>Matrix Spike (P2C1501-MS1)</b>      |      | <b>Source: 2C09003-03</b> |      |     | Prepared & Analyzed: 03/15/22 |     |        |      |    |  |
| Chemical Oxygen Demand                 | 118  | 1.10                      | mg/L | 100 | ND                            | 118 | 80-120 |      |    |  |
| <b>Matrix Spike Dup (P2C1501-MSD1)</b> |      | <b>Source: 2C09003-03</b> |      |     | Prepared & Analyzed: 03/15/22 |     |        |      |    |  |
| Chemical Oxygen Demand                 | 105  | 1.10                      | mg/L | 100 | ND                            | 105 | 80-120 | 11.7 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte                                     | Result    | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                                  | %REC<br>Limits | RPD  | RPD<br>Limit | Notes          |
|---------------------------------------------|-----------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|----------------|------|--------------|----------------|
| <b>Batch P2C1108 - *** DEFAULT PREP ***</b> |           |                    |       |                                       |                  |                                       |                |      |              |                |
| <b>Blank (P2C1108-BLK1)</b>                 |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Manganese                                   | ND        | 0.0200             | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Iron                                        | ND        | 0.0200             | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>LCS (P2C1108-BS1)</b>                    |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.404     | 0.0200             | mg/L  | 0.400                                 |                  | 101                                   | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.225     | 0.0200             | "     | 0.200                                 |                  | 113                                   | 80-120         |      |              | QAL1           |
| <b>LCS Dup (P2C1108-BSD1)</b>               |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.339     | 0.0200             | mg/L  | 0.400                                 |                  | 84.8                                  | 80-120         | 17.4 | 20           | QAL1           |
| Manganese                                   | 0.177     | 0.0200             | "     | 0.200                                 |                  | 88.6                                  | 80-120         | 23.8 | 20           | QAL1,<br>QR-02 |
| <b>Calibration Blank (P2C1108-CCB1)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | -0.0123   |                    | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Manganese                                   | -0.000358 |                    | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>Calibration Blank (P2C1108-CCB2)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | -0.00838  |                    | mg/L  |                                       |                  |                                       |                |      |              | QAL1           |
| Manganese                                   | -0.000384 |                    | "     |                                       |                  |                                       |                |      |              | QAL1           |
| <b>Calibration Check (P2C1108-CCV1)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.407     | 0.0200             | mg/L  | 0.400                                 |                  | 102                                   | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.213     | 0.0200             | "     | 0.200                                 |                  | 106                                   | 80-120         |      |              | QAL1           |
| <b>Calibration Check (P2C1108-CCV2)</b>     |           |                    |       | Prepared: 03/11/22 Analyzed: 03/14/22 |                  |                                       |                |      |              |                |
| Iron                                        | 0.402     | 0.0200             | mg/L  | 0.400                                 |                  | 100                                   | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.222     | 0.0200             | "     | 0.200                                 |                  | 111                                   | 80-120         |      |              | QAL1           |
| <b>Matrix Spike (P2C1108-MS1)</b>           |           |                    |       | <b>Source: 2C09003-03</b>             |                  | Prepared: 03/11/22 Analyzed: 03/14/22 |                |      |              |                |
| Iron                                        | 0.414     | 0.0200             | mg/L  | 0.400                                 | 0.0365           | 94.3                                  | 80-120         |      |              | QAL1           |
| Manganese                                   | 0.185     | 0.0200             | "     | 0.200                                 | 0.101            | 41.8                                  | 80-120         |      |              | QAL1,<br>QM-07 |

Permian Basin Environmental Lab, L.P.

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

|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11_MNA           |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS-11    |
| Midland TX, 79705             | Project Manager: Curt Stanley |

Dissolved Metals by EPA / Standard Methods - Quality Control  
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch P2C1108 - \*\*\* DEFAULT PREP \*\*\*

|                                 |                    |        |      |                                       |        |      |        |      |    |                |
|---------------------------------|--------------------|--------|------|---------------------------------------|--------|------|--------|------|----|----------------|
| Matrix Spike Dup (P2C1108-MSD1) | Source: 2C09003-03 |        |      | Prepared: 03/11/22 Analyzed: 03/14/22 |        |      |        |      |    |                |
| Iron                            | 0.400              | 0.0200 | mg/L | 0.400                                 | 0.0365 | 90.9 | 80-120 | 3.34 | 20 | QAL1           |
| Manganese                       | 0.181              | 0.0200 | "    | 0.200                                 | 0.101  | 40.0 | 80-120 | 1.98 | 20 | QAL1,<br>QM-07 |



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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

### Notes and Definitions

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

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

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

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

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

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 3/23/2022

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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.

**PBMLAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 1

Project Manager: Curt Stanley

Project Name: SPS-11

Company Name: TRC Environmental Corporation

Project #: TNM SPS-11

Company Address: 10 Desia Drive, Ste 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland/TX/79703

PO #:

Telephone No: (432)5207720

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: e-mail: cstanley@trccompanies.com  
clbryant@paalp.com

(lab use only)

ORDER #: 2C11001

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO <sub>3</sub> | HCl | H <sub>2</sub> SO <sub>4</sub> | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None | Other (Specify) | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix | TOC SM 5310 | Dissolved Methane, Ethane and ethene by RSK-175 | Total Dissolved Metals (Fe and Mn) by SW 6010 | Nitrate and Sulfate by E300 | COD by SM 5310 | Total BTEX by 8260 | Analyze For: | TCLP: | TOTAL: | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|-----------------------------------------------|------|-----------------|----------------------------------------------------------------------------------------------|--------|-------------|-------------------------------------------------|-----------------------------------------------|-----------------------------|----------------|--------------------|--------------|-------|--------|----------------------------------------|--------------|
|                      | MW-35      |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |
|                      | MW-32      |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |
|                      | MW-14      |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |
|                      | MW-9       |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |
|                      | MW-4       |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |
| 2                    | MW-11      |                 |              |              |              | 1              | 12                     | X   | X                | X   | X                              |      |                                               |      |                 |                                                                                              | GW     | X           | X                                               | X                                             | X                           | X              |                    |              |       |        | X                                      |              |

Special Instructions:

BILL TO PLAINS

| Relinquished by: | Date    | Time | Received by: | Date | Time | Relinquished by: | Date | Time | Received by: | Date | Time | Laboratory Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------|---------|------|--------------|------|------|------------------|------|------|--------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manney           | 3-11-22 | 0830 |              |      |      |                  |      |      |              |      |      | Sample Containers Intact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>VOCs Free of Headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Labels on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Custody seals on container(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Custody seals on cooler(s) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sample Hand Delivered by Sampler/Client Rep.? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>by Courier? <input type="checkbox"/> UPS <input type="checkbox"/> DHL <input type="checkbox"/> FedEx <input type="checkbox"/> Lone Star<br>Temperature Upon Receipt: 45.2 °C <input checked="" type="checkbox"/> 41 °C <input type="checkbox"/> 40 °C <input type="checkbox"/> 37 °C<br>Adjusted: 5.2 °C Factor L1 |
|                  |         |      |              |      |      |                  |      |      |              |      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                  |         |      |              |      |      |                  |      |      |              |      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

# PRIMA

DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## Sample Receipt Checklist

| Yes                                 | Notes                                                              |
|-------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Chain of custody preserved?                                        |
| <input type="checkbox"/>            | Chain of custody signed/dated/time when relinquished and received? |
| <input type="checkbox"/>            | Chain of custody time present on COC for all samples?              |
| <input type="checkbox"/>            | Samplers name present on COC?                                      |
| <input type="checkbox"/>            | Chain of custody preserved for each sample?                        |
| <input type="checkbox"/>            | Sample containers intact?                                          |
| <input type="checkbox"/>            | Is any evidence of sample bottle?                                  |
| <input type="checkbox"/>            | Samples in proper container/bottle?                                |
| <input type="checkbox"/>            | Is there a sample volume for each sample?                          |
| <input type="checkbox"/>            | All samples received within holding time?                          |
| <input type="checkbox"/>            | Is there a record of when samples were received?                   |
| <input type="checkbox"/>            | Analysis requested for all samples submitted?                      |
| <input type="checkbox"/>            | Is sample container/cooler signed/recorded?                        |
| <input type="checkbox"/>            | Custody seals intact on shipping container/cooler?                 |

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 1 of 2

Assorted vass  
poly.

26/100r

# PRIMA

DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## SAMPLE VARIANCE/NON-CONFORMANCE

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

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 2 of 2



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

March 21, 2022

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

Work Order: **HS22030756**

Laboratory Results for: **2C11001**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Mar 15, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

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

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

ALS Houston, US

Date: 21-Mar-22

Client: Permian Basin Environmental Lab, LP  
Project: 2C11001  
Work Order: HS22030756

SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|--------|-------|-------------------|-------------------|--------------------------|
| HS22030756-01 | 2C11001-01       | Water  |       | 10-Mar-2022 14:05 | 15-Mar-2022 09:35 | <input type="checkbox"/> |
| HS22030756-02 | 2C11001-02       | Water  |       | 10-Mar-2022 15:07 | 15-Mar-2022 09:35 | <input type="checkbox"/> |

ALS Houston, US

Date: 21-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C11001  
**Work Order:** HS22030756

**CASE NARRATIVE**

**GC Semivolatiles by Method RSK-175**

**Batch ID: R404354**

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

**WetChemistry by Method E415.1**

**Batch ID: R404518**

**Sample ID: 2C11001-01 (HS22030756-01)**

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

ALS Houston, US

Date: 21-Mar-22

|                  |                                     |                          |
|------------------|-------------------------------------|--------------------------|
| Client:          | Permian Basin Environmental Lab, LP | <b>ANALYTICAL REPORT</b> |
| Project:         | 2C11001                             | WorkOrder:HS22030756     |
| Sample ID:       | 2C11001-01                          | Lab ID:HS22030756-01     |
| Collection Date: | 10-Mar-2022 14:05                   | Matrix:Water             |

| ANALYSES                              | RESULT     | QUAL                  | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|---------------------------------------|------------|-----------------------|-----------------|--------------|--------------------|-------------------|
| <b>DISSOLVED GASES BY RSK-175</b>     |            | <b>Method:RSK-175</b> |                 | Analyst: PPM |                    |                   |
| Ethane                                | ND         |                       | 1.00            | ug/L         | 1                  | 16-Mar-2022 13:07 |
| Ethene                                | ND         |                       | 1.00            | ug/L         | 1                  | 16-Mar-2022 13:07 |
| <b>Methane</b>                        | <b>174</b> |                       | <b>5.00</b>     | <b>ug/L</b>  | 10                 | 16-Mar-2022 15:22 |
| <b>TOTAL ORGANIC CARBON BY E415.1</b> |            | <b>Method:E415.1</b>  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total                 | ND         |                       | 10.0            | mg/L         | 10                 | 19-Mar-2022 06:36 |

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



ALS Houston, US

Date: 21-Mar-22

Client:Permian Basin Environmental Lab, LP

Project:2C11001

Sample ID:2C11001-02

Collection Date:10-Mar-2022 15:07

ANALYTICAL REPORT

WorkOrder:HS22030756

Lab ID:HS22030756-02

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: PPM |                    |                   |
| Ethane                         | 30.2   |                | 1.00            | ug/L         | 1                  | 16-Mar-2022 13:18 |
| Ethene                         | ND     |                | 1.00            | ug/L         | 1                  | 16-Mar-2022 13:18 |
| Methane                        | 7,980  |                | 200             | ug/L         | 400                | 16-Mar-2022 15:30 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | ND     |                | 10.0            | mg/L         | 10                 | 19-Mar-2022 06:48 |

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

ALS Houston, US

Date: 21-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C11001  
**WorkOrder:** HS22030756

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                                   | Leachate Date | Prep Date | Analysis Date        | DF  |
|--------------------------------|----------------|---------------------------------------------------|---------------|-----------|----------------------|-----|
| <b>Batch ID:</b> R404354 ( 1 ) |                | <b>Test Name :</b> DISSOLVED GASES BY RSK-175     |               |           | <b>Matrix:</b> Water |     |
| HS22030756-01                  | 2C11001-01     | 10 Mar 2022 14:05                                 |               |           | 16 Mar 2022 15:22    | 10  |
| HS22030756-01                  | 2C11001-01     | 10 Mar 2022 14:05                                 |               |           | 16 Mar 2022 13:07    | 1   |
| HS22030756-02                  | 2C11001-02     | 10 Mar 2022 15:07                                 |               |           | 16 Mar 2022 15:30    | 400 |
| HS22030756-02                  | 2C11001-02     | 10 Mar 2022 15:07                                 |               |           | 16 Mar 2022 13:18    | 1   |
| <b>Batch ID:</b> R404518 ( 0 ) |                | <b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1 |               |           | <b>Matrix:</b> Water |     |
| HS22030756-01                  | 2C11001-01     | 10 Mar 2022 14:05                                 |               |           | 19 Mar 2022 06:36    | 10  |
| HS22030756-02                  | 2C11001-02     | 10 Mar 2022 15:07                                 |               |           | 19 Mar 2022 06:48    | 10  |

## ALS Houston, US

Date: 21-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C11001  
**WorkOrder:** HS22030756

## QC BATCH REPORT

| Batch ID: R404354 ( 1 ) |                        | Instrument: FID-4 |         | Method: DISSOLVED GASES BY RSK-175 |      |               |               |      |                |
|-------------------------|------------------------|-------------------|---------|------------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>             | Sample ID: MBLK-220316 | Units: ug/L       |         | Analysis Date: 16-Mar-2022 12:36   |      |               |               |      |                |
| Client ID:              | Run ID: FID-4_404354   | SeqNo: 6549349    |         | 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             |         |                                    |      |               |               |      |                |

| <b>LCS</b> | Sample ID: LCS-220316 | Units: ug/L    |         | Analysis Date: 16-Mar-2022 12:45 |      |               |               |      |                |
|------------|-----------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_404354  | SeqNo: 6549350 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | 14.08                 | 1.00           | 18.04   | 0                                | 78.0 | 75 - 125      |               |      |                |
| Ethene     | 13.74                 | 1.00           | 16.8    | 0                                | 81.8 | 75 - 125      |               |      |                |
| Methane    | 11.01                 | 0.500          | 9.647   | 0                                | 114  | 75 - 125      |               |      |                |

| <b>LCSD</b> | Sample ID: LCSD-220316 | Units: ug/L    |         | Analysis Date: 16-Mar-2022 12:55 |      |               |               |      |                |
|-------------|------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:  | Run ID: FID-4_404354   | SeqNo: 6549351 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte     | Result                 | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane      | 13.93                  | 1.00           | 18.04   | 0                                | 77.2 | 75 - 125      | 14.08         | 1.06 | 30             |
| Ethene      | 14.04                  | 1.00           | 16.8    | 0                                | 83.6 | 75 - 125      | 13.74         | 2.16 | 30             |
| Methane     | 9.685                  | 0.500          | 9.647   | 0                                | 100  | 75 - 125      | 11.01         | 12.8 | 30             |

| <b>DUP</b> | Sample ID: HS22030607-01DUP | Units: ug/L    |         | Analysis Date: 16-Mar-2022 15:38 |      |               |               |      |                |
|------------|-----------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_404354        | SeqNo: 6549363 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                      | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | ND                          | 1.00           |         |                                  |      |               | 0             | 0    | 30             |
| Ethene     | ND                          | 1.00           |         |                                  |      |               | 0             | 0    | 30             |
| Methane    | 27.28                       | 0.500          |         |                                  |      |               | 25.39         | 7.19 | 30             |

The following samples were analyzed in this batch: HS22030756-01 HS22030756-02

## ALS Houston, US

Date: 21-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C11001  
**WorkOrder:** HS22030756

## QC BATCH REPORT

| Batch ID: R404518 ( 0 )                            |                            | Instrument: TOC_04 |                | Method: TOTAL ORGANIC CARBON BY E415.1 |           |               |               |          |                |
|----------------------------------------------------|----------------------------|--------------------|----------------|----------------------------------------|-----------|---------------|---------------|----------|----------------|
| <b>MBLK</b>                                        | Sample ID: MBLK-03182022   | Units: mg/L        |                | Analysis Date: 19-Mar-2022 05:56       |           |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404518      |                    | SeqNo: 6552483 |                                        | 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               |                |                                        |           |               |               |          |                |
| <b>LCS</b>                                         | Sample ID: LCS-03182022    | Units: mg/L        |                | Analysis Date: 19-Mar-2022 06:10       |           |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404518      |                    | SeqNo: 6552484 |                                        | 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                              | 9.625                      | 1.00               | 10             | 0                                      | 96.2      | 85 - 115      |               |          |                |
| <b>LCSD</b>                                        | Sample ID: LCSD-03182022   | Units: mg/L        |                | Analysis Date: 19-Mar-2022 06:23       |           |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404518      |                    | SeqNo: 6552485 |                                        | 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                              | 9.644                      | 1.00               | 10             | 0                                      | 96.4      | 85 - 115      | 9.625         | 0.197    | 20             |
| <b>MS</b>                                          | Sample ID: HS22030820-01MS | Units: mg/L        |                | Analysis Date: 19-Mar-2022 07:15       |           |               |               |          |                |
| Client ID:                                         | Run ID: TOC_04_404518      |                    | SeqNo: 6552489 |                                        | PrepDate: |               | DF: 1         |          |                |
| Analyte                                            | Result                     | PQL                | SPK Val        | SPK Ref Value                          | %REC      | Control Limit | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Organic Carbon, Total                              | 12.75                      | 1.00               | 10             | 2.32                                   | 104       | 80 - 120      |               |          |                |
| The following samples were analyzed in this batch: |                            |                    |                |                                        |           |               |               |          |                |
| HS22030756-01 HS22030756-02                        |                            |                    |                |                                        |           |               |               |          |                |

**ALS Houston, US**

Date: 21-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C11001  
**WorkOrder:** HS22030756

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>                                                        |
|------------------|---------------------------------------------------------------------------|
| *                | 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                               |

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

ALS Houston, US

Date: 21-Mar-22

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

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

## ALS Houston, US

Date: 21-Mar-22

## Sample Receipt Checklist

Work Order ID: HS22030756

Date/Time Received: 15-Mar-2022 09:35

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

|                                           |                   |                                            |                   |
|-------------------------------------------|-------------------|--------------------------------------------|-------------------|
| Completed By: <u>/S/ Niles D. Ranchod</u> | 15-Mar-2022 10:22 | Reviewed by: <u>/S/ Bernadette A. Fini</u> | 15-Mar-2022 15:43 |
| eSignature                                | Date/Time         | eSignature                                 | Date/Time         |

Matrices: WaterCarrier name: FedEx Priority Overnight

|                                                         |                                         |                             |                                                 |
|---------------------------------------------------------|-----------------------------------------|-----------------------------|-------------------------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | COC                                             |
| Samplers name present on COC?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | IDs:PRELAB_SUB_COC_V2                           |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                                                 |
| Temperature(s)/Thermometer(s):                          | 0.9C /1.4C UC/C IR #31                  |                             |                                                 |
| Cooler(s)/Kit(s):                                       | RED                                     |                             |                                                 |
| Date/Time sample(s) sent to storage:                    | 03/15/2022 14:00                        |                             |                                                 |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |
| pH adjusted?                                            | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |
| pH adjusted by:                                         |                                         |                             |                                                 |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-686-7235  
PBELAB\_SUB\_COC V2

Project Name: SUBCONTRACT

Project #:

Project Loc:

**PO #:**

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [brentbarron@pbelab.com](mailto:brentbarron@pbelab.com)

|                       |  |                                                                                      |  |
|-----------------------|--|--------------------------------------------------------------------------------------|--|
| (lab use only)        |  | Analyze For:                                                                         |  |
| ORDER #:              |  |                                                                                      |  |
| LAB # (lab use only)  |  | Preservation & # of Containers                                                       |  |
| FIELD CODE            |  | Matrix                                                                               |  |
| Beginning Depth       |  | Field Filtered                                                                       |  |
| Ending Depth          |  | Total # of Containers                                                                |  |
| Date Sampled          |  | ICE                                                                                  |  |
| Time Sampled          |  | HNO <sub>3</sub> 750 poly 1                                                          |  |
|                       |  | HCl 3 40mL VOA                                                                       |  |
|                       |  | H <sub>2</sub> SO <sub>4</sub> 1 Amber 500 250 poly                                  |  |
|                       |  | NaOH /ZNAC 250 Poly 1                                                                |  |
|                       |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>                                        |  |
|                       |  | None Poly 500mL 250mL Glass Amber 1000                                               |  |
|                       |  | 500 mL                                                                               |  |
|                       |  | NONE 3 AMBER VOAA VIALS                                                              |  |
|                       |  | DW=Drinking Water SL=Sludge                                                          |  |
|                       |  | GW = Groundwater S=Soil/Solid                                                        |  |
|                       |  | NP=Non-Portable Specify Other                                                        |  |
|                       |  | 8270C PAH 11                                                                         |  |
|                       |  | METALS RCRA 8 TCLP (CPMS/7471                                                        |  |
|                       |  | TOC-SM 5310B                                                                         |  |
|                       |  | RSK-175 Methane,Ethane,Ethene                                                        |  |
|                       |  | 8270 TOTAL SEMIVOLATILE                                                              |  |
|                       |  | 8260 Complete List Total                                                             |  |
|                       |  | Na, Ca,K,Mg Total ICP 6020                                                           |  |
|                       |  | Cd TCLP ICP/M/S 6020A                                                                |  |
|                       |  | NORM 901.1M                                                                          |  |
|                       |  | METHANOL 8015M                                                                       |  |
|                       |  | GLYCOLS-DI 8015B                                                                     |  |
|                       |  | 8260B TCLP UENZENE                                                                   |  |
|                       |  | AMMONIA AS N                                                                         |  |
|                       |  | 48 HOUR                                                                              |  |
|                       |  | STANDARD 4 DAY                                                                       |  |
| Special Instructions: |  | HS22030756                                                                           |  |
| Relinquished by:      |  | Permian Basin Environmental Lab. LP                                                  |  |
| Brent Barron          |  | 2C11001                                                                              |  |
| Relinquished by:      |  |  |  |
| Relinquished by:      |  | Laboratory Comments:                                                                 |  |
| Date                  |  | Sample Containers Intact?                                                            |  |
| Time                  |  | VOCs Free of Headspace?                                                              |  |
| Received by:          |  | Labels on container(s)                                                               |  |
| Date                  |  | Custody seals on container(s)                                                        |  |
| Time                  |  | Custody seals on cooler(s)                                                           |  |
| Received by:          |  | Sample Hand Delivered                                                                |  |
| Date                  |  | by Sampler/Client Rep. ?                                                             |  |
| Time                  |  | by Courier?                                                                          |  |
| Received by:          |  | Temperature Upon Receipt:                                                            |  |
| Date                  |  | Received:                                                                            |  |
| Time                  |  | Adjusted:                                                                            |  |
| Received:             |  | °C                                                                                   |  |
| Adjusted:             |  | °C Factor                                                                            |  |



*Red*

MAR 15 2022

**FedEx**

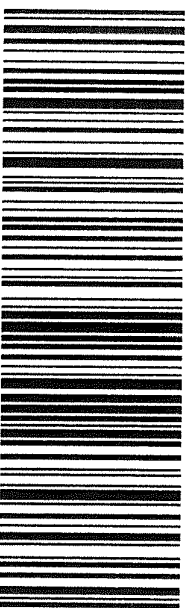
TRK# 8148 4540 9520  
0200

TUE - 15 MAR AA  
STANDARD OVERNIGHT

**AB SGRA**

*Red*

77099  
TX-US  
IAH



3745057 14Mar-2022 MAFA 56065/EB02/C088

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11  
Project Number: TNM SPS -11  
Location:  
Lab Order Number: 2B11005



**Current Certification**

Report Date: 02/22/22

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW17      | 2B11005-01    | Water  | 02/10/22 12:25 | 02-11-2022 09:42 |
| MW10      | 2B11005-02    | Water  | 02/10/22 13:08 | 02-11-2022 09:42 |
| MW6       | 2B11005-03    | Water  | 02/10/22 13:43 | 02-11-2022 09:42 |
| MW28      | 2B11005-04    | Water  | 02/10/22 14:21 | 02-11-2022 09:42 |
| MW32      | 2B11005-05    | Water  | 02/10/22 14:42 | 02-11-2022 09:42 |
| MW26      | 2B11005-06    | Water  | 02/10/22 15:01 | 02-11-2022 09:42 |
| MW14      | 2B11005-07    | Water  | 02/10/22 15:30 | 02-11-2022 09:42 |
| MW9       | 2B11005-08    | Water  | 02/10/22 16:09 | 02-11-2022 09:42 |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

### MW17

#### 2B11005-01 (Water)

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

#### Permian Basin Environmental Lab, L.P.

#### Organics by GC

|                                 |                |         |        |   |         |                |                |           |  |
|---------------------------------|----------------|---------|--------|---|---------|----------------|----------------|-----------|--|
| <b>Benzene</b>                  | <b>0.00191</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Toluene                         | ND             | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Ethylbenzene                    | ND             | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Xylene (p/m)                    | ND             | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Xylene (o)                      | ND             | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 99.4 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.9 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 17:27 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW10****2B11005-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.3 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.9 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 17:48 | EPA 8021B |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW6****2B11005-03 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.7 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 97.7 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:08 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW28****2B11005-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 95.0 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 96.8 % |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:29 | EPA 8021B |  |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW32**  
**2B11005-05 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |        |   |         |                |                |           |  |
|---------------------------------|----------------|---------|--------|---|---------|----------------|----------------|-----------|--|
| <b>Benzene</b>                  | <b>0.00320</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| <b>Toluene</b>                  | <b>0.00141</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.00463</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| <b>Xylene (p/m)</b>             | <b>0.00440</b> | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| <b>Xylene (o)</b>               | <b>0.00172</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.3 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 97.7 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 18:50 | EPA 8021B |  |

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW26**  
**2B11005-06 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |        |   |         |                |                |           |  |
|---------------------------------|----------------|---------|--------|---|---------|----------------|----------------|-----------|--|
| <b>Benzene</b>                  | <b>0.00771</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| <b>Toluene</b>                  | <b>0.0135</b>  | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.00796</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| <b>Xylene (p/m)</b>             | <b>0.00545</b> | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| <b>Xylene (o)</b>               | <b>0.00254</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 94.3 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 97.8 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:11 | EPA 8021B |  |

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TRC Solutions- Midland, Texas  
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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW14**  
**2B11005-07 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |        |   |         |                |                |           |  |
|---------------------------------|----------------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND             | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| <b>Toluene</b>                  | <b>0.00101</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.00487</b> | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| Xylene (p/m)                    | ND             | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| Xylene (o)                      | ND             | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 97.2 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 96.7 %         |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:31 | EPA 8021B |  |

Permian Basin Environmental Lab, L.P.

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|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW9  
2B11005-08 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |         |         |        |   |         |                |                |           |  |
|---------------------------------|---------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Organics by GC                  |         |         |        |   |         |                |                |           |  |
| Benzene                         | 0.431   | 0.00500 | mg/L   | 5 | P2B1401 | 02/14/22 09:39 | 02/15/22 10:44 | EPA 8021B |  |
| Toluene                         | 0.00132 | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |
| Ethylbenzene                    | 0.0862  | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |
| Xylene (p/m)                    | 0.00816 | 0.00200 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |
| Xylene (o)                      | 0.00404 | 0.00100 | mg/L   | 1 | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 97.8 %  |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.8 %  |         | 80-120 |   | P2B1401 | 02/14/22 09:39 | 02/14/22 19:52 | EPA 8021B |  |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

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

**Batch P2B1401 - General Preparation (GC)**

**Blank (P2B1401-BLK1)**

Prepared & Analyzed: 02/14/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.116 |         | "    | 0.120 |  | 96.5 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117 |         | "    | 0.120 |  | 97.8 | 80-120 |  |  |  |

**LCS (P2B1401-BS1)**

Prepared & Analyzed: 02/14/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0913 | 0.00100 | mg/L | 0.100 |  | 91.3 | 80-120 |  |  |  |
| Toluene                         | 0.0917 | 0.00100 | "    | 0.100 |  | 91.7 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.102  | 0.00100 | "    | 0.100 |  | 102  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.199  | 0.00200 | "    | 0.200 |  | 99.4 | 80-120 |  |  |  |
| Xylene (o)                      | 0.0881 | 0.00100 | "    | 0.100 |  | 88.1 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |  | 104  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.0 | 80-120 |  |  |  |

**LCS Dup (P2B1401-BSD1)**

Prepared & Analyzed: 02/14/22

|                                 |        |         |      |       |  |      |        |      |    |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|--|
| Benzene                         | 0.0931 | 0.00100 | mg/L | 0.100 |  | 93.1 | 80-120 | 1.93 | 20 |  |
| Toluene                         | 0.0928 | 0.00100 | "    | 0.100 |  | 92.8 | 80-120 | 1.26 | 20 |  |
| Ethylbenzene                    | 0.104  | 0.00100 | "    | 0.100 |  | 104  | 80-120 | 1.84 | 20 |  |
| Xylene (p/m)                    | 0.202  | 0.00200 | "    | 0.200 |  | 101  | 80-120 | 1.69 | 20 |  |
| Xylene (o)                      | 0.0901 | 0.00100 | "    | 0.100 |  | 90.1 | 80-120 | 2.22 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.122  |         | "    | 0.120 |  | 102  | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120  |         | "    | 0.120 |  | 99.6 | 80-120 |      |    |  |

**Calibration Blank (P2B1401-CCB1)**

Prepared & Analyzed: 02/14/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.120 |  | mg/L |       |  |      |        |  |  |  |
| Toluene                         | 0.120 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.360 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 0.620 |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.370 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.119 |  | "    | 0.120 |  | 99.0 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118 |  | "    | 0.120 |  | 98.2 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2B1401 - General Preparation (GC)**

**Calibration Blank (P2B1401-CCB2)**

Prepared & Analyzed: 02/14/22

|                                 |        |  |      |       |  |      |        |  |  |  |
|---------------------------------|--------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0800 |  | mg/L |       |  |      |        |  |  |  |
| Toluene                         | 0.00   |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.270  |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 0.760  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.310  |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.112  |  | "    | 0.120 |  | 92.9 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |  | "    | 0.120 |  | 97.7 | 80-120 |  |  |  |

**Calibration Blank (P2B1401-CCB3)**

Prepared: 02/14/22 Analyzed: 02/15/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.120 |  | mg/L |       |  |      |        |  |  |  |
| Toluene                         | 0.00  |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.300 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 0.830 |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.420 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.113 |  | "    | 0.120 |  | 93.8 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.115 |  | "    | 0.120 |  | 95.9 | 80-120 |  |  |  |

**Calibration Check (P2B1401-CCV1)**

Prepared & Analyzed: 02/14/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0945 | 0.00100 | mg/L | 0.100 |  | 94.5 | 80-120 |  |  |  |
| Toluene                         | 0.0937 | 0.00100 | "    | 0.100 |  | 93.7 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.0952 | 0.00100 | "    | 0.100 |  | 95.2 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.198  | 0.00200 | "    | 0.200 |  | 98.8 | 80-120 |  |  |  |
| Xylene (o)                      | 0.0906 | 0.00100 | "    | 0.100 |  | 90.6 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.121  |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.1 | 80-120 |  |  |  |

**Calibration Check (P2B1401-CCV2)**

Prepared & Analyzed: 02/14/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.104  | 0.00100 | mg/L | 0.100 |  | 104  | 80-120 |  |  |  |
| Toluene                         | 0.101  | 0.00100 | "    | 0.100 |  | 101  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.103  | 0.00100 | "    | 0.100 |  | 103  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.215  | 0.00200 | "    | 0.200 |  | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0986 | 0.00100 | "    | 0.100 |  | 98.6 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.119  |         | "    | 0.120 |  | 99.3 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.0 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2B1401 - General Preparation (GC)**

**Calibration Check (P2B1401-CCV3)**

Prepared: 02/14/22 Analyzed: 02/15/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.101  | 0.00100 | mg/L | 0.100 |  | 101  | 80-120 |  |  |  |
| Toluene                         | 0.0968 | 0.00100 | "    | 0.100 |  | 96.8 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.0992 | 0.00100 | "    | 0.100 |  | 99.2 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.208  | 0.00200 | "    | 0.200 |  | 104  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0944 | 0.00100 | "    | 0.100 |  | 94.4 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117  |         | "    | 0.120 |  | 97.9 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118  |         | "    | 0.120 |  | 98.0 | 80-120 |  |  |  |

**Matrix Spike (P2B1401-MS1)**

Source: 2B11005-01

Prepared: 02/14/22 Analyzed: 02/15/22

|                                 |       |         |      |       |          |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|----------|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 | 0.00191  | 108  | 80-120 |  |  |  |
| Toluene                         | 0.104 | 0.00100 | "    | 0.100 | 0.000850 | 103  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.114 | 0.00100 | "    | 0.100 | ND       | 114  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.223 | 0.00200 | "    | 0.200 | ND       | 112  | 80-120 |  |  |  |
| Xylene (o)                      | 0.100 | 0.00100 | "    | 0.100 | ND       | 100  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117 |         | "    | 0.120 |          | 97.3 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118 |         | "    | 0.120 |          | 98.2 | 80-120 |  |  |  |

**Matrix Spike Dup (P2B1401-MSD1)**

Source: 2B11005-01

Prepared: 02/14/22 Analyzed: 02/15/22

|                                 |       |         |      |       |          |      |        |      |    |       |
|---------------------------------|-------|---------|------|-------|----------|------|--------|------|----|-------|
| Benzene                         | 0.118 | 0.00100 | mg/L | 0.100 | 0.00191  | 116  | 80-120 | 7.42 | 20 |       |
| Toluene                         | 0.112 | 0.00100 | "    | 0.100 | 0.000850 | 111  | 80-120 | 7.43 | 20 |       |
| Ethylbenzene                    | 0.121 | 0.00100 | "    | 0.100 | ND       | 121  | 80-120 | 6.20 | 20 | QM-07 |
| Xylene (p/m)                    | 0.237 | 0.00200 | "    | 0.200 | ND       | 119  | 80-120 | 6.17 | 20 |       |
| Xylene (o)                      | 0.107 | 0.00100 | "    | 0.100 | ND       | 107  | 80-120 | 6.95 | 20 |       |
| Surrogate: 4-Bromofluorobenzene | 0.116 |         | "    | 0.120 |          | 96.6 | 80-120 |      |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.117 |         | "    | 0.120 |          | 97.5 | 80-120 |      |    |       |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

### Notes and Definitions

|       |                                                                                                                                  |
|-------|----------------------------------------------------------------------------------------------------------------------------------|
| ROI   | Received on Ice                                                                                                                  |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| pH1   | The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.                                          |
| DET   | Analyte DETECTED                                                                                                                 |
| ND    | Analyte NOT DETECTED at or above the reporting limit                                                                             |
| NR    | Not Reported                                                                                                                     |
| dry   | Sample results reported on a dry weight basis                                                                                    |
| RPD   | Relative Percent Difference                                                                                                      |
| LCS   | Laboratory Control Spike                                                                                                         |
| MS    | Matrix Spike                                                                                                                     |
| Dup   | Duplicate                                                                                                                        |

Report Approved By:



Date:

2/22/2022

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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**PBMLAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

L:

CH:

W:

Phone: 432-686-7235

Project Manager:

Company Name:

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

(lab use only)

ORDER #: 2811005

e-mail:

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Project Name:

Project #:

Project Loc:

PO #:

Analyze For:

TCLP:

TOTAL:

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

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, SO<sub>4</sub>, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 h

Standard TAT

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

PBEL\_COC\_2021\_1

Revision #: 2021\_1

Effective Date: 9-21-21

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Courier?

UPS

DHL

FedEx

Long Star

N

N

N

N

N

N

N

N

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DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## Sample Receipt Checklist

[illegible]

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 1 of 2

**Login Notes:**

Helvöa

2B11005



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

## SAMPLE VARIANCE/NON-CONFORMANCE

|                                                                              |
|------------------------------------------------------------------------------|
| Variance/Discrepancy:                                                        |
| Resolution:                                                                  |
| Client Contacted:<br>Name:<br>Date/Time:<br>NC Initiated by:<br>Approved by: |

PBEL\_SAMPLE\_CHECKLIST\_2021\_1

Page 2 of 2

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Location: Lea County, New Mexico  
Lab Order Number: 2E04001



**Current Certification**

Report Date: 05/24/22

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW-35     | 2E04001-01    | Water  | 05/03/22 11:35 | 05-04-2022 08:20 |
| MW-14     | 2E04001-02    | Water  | 05/03/22 10:50 | 05-04-2022 08:20 |
| MW-32     | 2E04001-03    | Water  | 05/03/22 12:25 | 05-04-2022 08:20 |
| MW-9      | 2E04001-04    | Water  | 05/03/22 13:15 | 05-04-2022 08:20 |
| MW-4      | 2E04001-05    | Water  | 05/03/22 14:35 | 05-04-2022 08:20 |
| MW-11     | 2E04001-06    | Water  | 05/03/22 15:35 | 05-04-2022 08:20 |

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-35****2E04001-01 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |                |          |        |   |         |                |                |           |  |
|---------------------------------|----------------|----------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND             | 0.00100  | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Toluene                         | ND             | 0.00100  | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.00237</b> | 0.00100  | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Xylene (p/m)                    | ND             | 0.00200  | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Xylene (o)                      | ND             | 0.00100  | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 102 %          |          | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 99.1 %         |          | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 19:31 | EPA 8021B |  |
| Ethane                          | ND             | 0.00100  | mg/L   | 1 | P2E1802 | 05/13/22 11:54 | 05/13/22 11:54 | 8015M     |  |
| Ethene                          | ND             | 0.00100  | mg/L   | 1 | P2E1802 | 05/13/22 11:54 | 05/13/22 11:54 | 8015M     |  |
| <b>Methane</b>                  | <b>0.00903</b> | 0.000500 | mg/L   | 1 | P2E1802 | 05/13/22 11:54 | 05/13/22 11:54 | 8015M     |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |  |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--|
| <b>Chemical Oxygen Demand</b> | <b>14.0</b> | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 15:06 | EPA 300.0 |  |
| <b>Sulfate</b>                | <b>34.7</b> | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 15:06 | EPA 300.0 |  |
| <b>Total Organic Carbon</b>   | <b>7.38</b> | 1.00  | mg/L | 1 | P2E1802 | 05/13/22 18:25 | 05/13/22 18:25 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |        |      |   |         |                |                |           |  |
|------------------|---------------|--------|------|---|---------|----------------|----------------|-----------|--|
| <b>Iron</b>      | <b>0.435</b>  | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:21 | EPA 6010B |  |
| <b>Manganese</b> | <b>0.0449</b> | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:21 | EPA 6010B |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-14****2E04001-02 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |         |         |        |   |         |                |                |           |  |
|---------------------------------|---------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND      | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Toluene                         | ND      | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Ethylbenzene                    | ND      | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Xylene (p/m)                    | ND      | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Xylene (o)                      | ND      | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 100 %   |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 99.8 %  |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 19:53 | EPA 8021B |  |
| Ethane                          | 0.00152 | 0.00100 | mg/L   | 1 | P2E1802 | 05/13/22 12:05 | 05/13/22 12:05 | 8015M     |  |
| Ethene                          | 0.00287 | 0.00100 | mg/L   | 1 | P2E1802 | 05/13/22 12:05 | 05/13/22 12:05 | 8015M     |  |
| Methane                         | 0.356   | 0.0125  | mg/L   | 1 | P2E1802 | 05/13/22 12:05 | 05/13/22 12:53 | 8015M     |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                        |      |       |      |   |         |                |                |           |  |
|------------------------|------|-------|------|---|---------|----------------|----------------|-----------|--|
| Chemical Oxygen Demand | 127  | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| Nitrate as N           | ND   | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:04 | EPA 300.0 |  |
| Sulfate                | 5.48 | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:04 | EPA 300.0 |  |
| Total Organic Carbon   | 48.2 | 10.0  | mg/L | 1 | P2E1802 | 05/13/22 23:45 | 05/13/22 23:45 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|           |       |        |      |   |         |                |                |           |  |
|-----------|-------|--------|------|---|---------|----------------|----------------|-----------|--|
| Iron      | 3.03  | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:24 | EPA 6010B |  |
| Manganese | 0.298 | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:24 | EPA 6010B |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-32****2E04001-03 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                        |                |          |      |   |                |                       |                       |                  |  |
|----------------------------------------|----------------|----------|------|---|----------------|-----------------------|-----------------------|------------------|--|
| <b>Benzene</b>                         | <b>0.00182</b> | 0.00100  | mg/L | 1 | P2E0610        | 05/06/22 14:52        | 05/09/22 20:14        | EPA 8021B        |  |
| <b>Toluene</b>                         | <b>0.00250</b> | 0.00100  | mg/L | 1 | P2E0610        | 05/06/22 14:52        | 05/09/22 20:14        | EPA 8021B        |  |
| <b>Ethylbenzene</b>                    | <b>0.0148</b>  | 0.00100  | mg/L | 1 | P2E0610        | 05/06/22 14:52        | 05/09/22 20:14        | EPA 8021B        |  |
| <b>Xylene (p/m)</b>                    | <b>0.0166</b>  | 0.00200  | mg/L | 1 | P2E0610        | 05/06/22 14:52        | 05/09/22 20:14        | EPA 8021B        |  |
| <b>Xylene (o)</b>                      | <b>0.00600</b> | 0.00100  | mg/L | 1 | P2E0610        | 05/06/22 14:52        | 05/09/22 20:14        | EPA 8021B        |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>98.0 %</i>  |          |      |   | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 20:14</i> | <i>EPA 8021B</i> |  |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>99.9 %</i>  |          |      |   | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 20:14</i> | <i>EPA 8021B</i> |  |
| Ethane                                 | ND             | 0.00100  | mg/L | 1 | P2E1802        | 05/13/22 12:17        | 05/13/22 12:17        | 8015M            |  |
| Ethene                                 | ND             | 0.00100  | mg/L | 1 | P2E1802        | 05/13/22 12:17        | 05/13/22 12:17        | 8015M            |  |
| <b>Methane</b>                         | <b>0.00136</b> | 0.000500 | mg/L | 1 | P2E1802        | 05/13/22 12:17        | 05/13/22 12:17        | 8015M            |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                             |              |       |      |   |         |                |                |           |  |
|-----------------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|--|
| Chemical Oxygen Demand      | ND           | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| <b>Nitrate as N</b>         | <b>0.763</b> | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:23 | EPA 300.0 |  |
| <b>Sulfate</b>              | <b>38.8</b>  | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:23 | EPA 300.0 |  |
| <b>Total Organic Carbon</b> | <b>3.16</b>  | 1.00  | mg/L | 1 | P2E1802 | 05/13/22 18:53 | 05/13/22 18:53 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |        |      |   |         |                |                |           |  |
|------------------|---------------|--------|------|---|---------|----------------|----------------|-----------|--|
| <b>Iron</b>      | <b>0.0860</b> | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:27 | EPA 6010B |  |
| <b>Manganese</b> | <b>0.0364</b> | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:27 | EPA 6010B |  |

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-9**  
**2E04001-04 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |      |   |         |                |                |           |  |
|---------------------------------|----------------|---------|------|---|---------|----------------|----------------|-----------|--|
| <b>Benzene</b>                  | <b>0.393</b>   | 0.00100 | mg/L | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| <b>Toluene</b>                  | <b>0.00113</b> | 0.00100 | mg/L | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.0674</b>  | 0.00100 | mg/L | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| <b>Xylene (p/m)</b>             | <b>0.0137</b>  | 0.00200 | mg/L | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| Xylene (o)                      | ND             | 0.00100 | mg/L | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 102 %          | 80-120  |      |   | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 103 %          | 80-120  |      |   | P2E0610 | 05/06/22 14:52 | 05/09/22 20:36 | EPA 8021B |  |
| <b>Ethane</b>                   | <b>0.00145</b> | 0.00100 | mg/L | 1 | P2E1802 | 05/13/22 12:33 | 05/13/22 12:33 | 8015M     |  |
| Ethene                          | ND             | 0.00100 | mg/L | 1 | P2E1802 | 05/13/22 12:33 | 05/13/22 12:33 | 8015M     |  |
| <b>Methane</b>                  | <b>0.567</b>   | 0.0250  | mg/L | 1 | P2E1802 | 05/13/22 12:33 | 05/13/22 13:00 | 8015M     |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |  |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--|
| <b>Chemical Oxygen Demand</b> | <b>164</b>  | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:42 | EPA 300.0 |  |
| <b>Sulfate</b>                | <b>4.76</b> | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 16:42 | EPA 300.0 |  |
| <b>Total Organic Carbon</b>   | <b>58.9</b> | 10.0  | mg/L | 1 | P2E1802 | 05/13/22 23:59 | 05/13/22 23:59 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |  |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|--|
| <b>Iron</b>      | <b>14.4</b>  | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:31 | EPA 6010B |  |
| <b>Manganese</b> | <b>0.689</b> | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:31 | EPA 6010B |  |

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-4**  
**2E04001-05 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |         |      |    |                |                       |                       |                  |  |
|----------------------------------------|----------------|---------|------|----|----------------|-----------------------|-----------------------|------------------|--|
| <b>Benzene</b>                         | <b>1.85</b>    | 0.0100  | mg/L | 10 | P2E0610        | 05/06/22 14:52        | 05/10/22 10:19        | EPA 8021B        |  |
| <b>Toluene</b>                         | <b>0.00515</b> | 0.00100 | mg/L | 1  | P2E0610        | 05/06/22 14:52        | 05/09/22 20:57        | EPA 8021B        |  |
| <b>Ethylbenzene</b>                    | <b>2.20</b>    | 0.0100  | mg/L | 10 | P2E0610        | 05/06/22 14:52        | 05/10/22 10:19        | EPA 8021B        |  |
| <b>Xylene (p/m)</b>                    | <b>1.60</b>    | 0.0200  | mg/L | 10 | P2E0610        | 05/06/22 14:52        | 05/10/22 10:19        | EPA 8021B        |  |
| <b>Xylene (o)</b>                      | <b>0.587</b>   | 0.0100  | mg/L | 10 | P2E0610        | 05/06/22 14:52        | 05/10/22 10:19        | EPA 8021B        |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>104 %</i>   |         |      |    | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 20:57</i> | <i>EPA 8021B</i> |  |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>93.6 %</i>  |         |      |    | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 20:57</i> | <i>EPA 8021B</i> |  |
| Ethane                                 | ND             | 0.00100 | mg/L | 1  | P2E1802        | 05/13/22 12:25        | 05/13/22 12:25        | 8015M            |  |
| Ethene                                 | ND             | 0.00100 | mg/L | 1  | P2E1802        | 05/13/22 12:25        | 05/13/22 12:25        | 8015M            |  |
| <b>Methane</b>                         | <b>0.231</b>   | 0.00100 | mg/L | 1  | P2E1802        | 05/13/22 12:25        | 05/13/22 13:09        | 8015M            |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                             |             |       |      |   |         |                |                |           |  |
|-----------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--|
| Chemical Oxygen Demand      | ND          | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| <b>Nitrate as N</b>         | <b>1.31</b> | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 17:01 | EPA 300.0 |  |
| <b>Sulfate</b>              | <b>36.6</b> | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 17:01 | EPA 300.0 |  |
| <b>Total Organic Carbon</b> | <b>1.72</b> | 1.00  | mg/L | 1 | P2E1802 | 05/13/22 19:48 | 05/13/22 19:48 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |  |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|--|
| <b>Iron</b>      | <b>0.754</b> | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:34 | EPA 6010B |  |
| <b>Manganese</b> | <b>0.183</b> | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:34 | EPA 6010B |  |

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**MW-11**  
**2E04001-06 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |         |      |     |                |                       |                       |                  |  |
|----------------------------------------|----------------|---------|------|-----|----------------|-----------------------|-----------------------|------------------|--|
| <b>Benzene</b>                         | <b>9.61</b>    | 0.100   | mg/L | 100 | P2E0610        | 05/06/22 14:52        | 05/10/22 12:38        | EPA 8021B        |  |
| <b>Toluene</b>                         | <b>0.00457</b> | 0.00100 | mg/L | 1   | P2E0610        | 05/06/22 14:52        | 05/09/22 21:18        | EPA 8021B        |  |
| <b>Ethylbenzene</b>                    | <b>2.53</b>    | 0.0100  | mg/L | 10  | P2E0610        | 05/06/22 14:52        | 05/10/22 10:40        | EPA 8021B        |  |
| <b>Xylene (p/m)</b>                    | <b>1.30</b>    | 0.0200  | mg/L | 10  | P2E0610        | 05/06/22 14:52        | 05/10/22 10:40        | EPA 8021B        |  |
| <b>Xylene (o)</b>                      | <b>0.131</b>   | 0.0100  | mg/L | 10  | P2E0610        | 05/06/22 14:52        | 05/10/22 10:40        | EPA 8021B        |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>99.0 %</i>  |         |      |     | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 21:18</i> | <i>EPA 8021B</i> |  |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>110 %</i>   |         |      |     | <i>P2E0610</i> | <i>05/06/22 14:52</i> | <i>05/09/22 21:18</i> | <i>EPA 8021B</i> |  |
| <b>Ethane</b>                          | <b>0.0117</b>  | 0.00100 | mg/L | 1   | P2E1802        | 05/13/22 12:44        | 05/13/22 12:44        | 8015M            |  |
| Ethene                                 | ND             | 0.00100 | mg/L | 1   | P2E1802        | 05/13/22 12:44        | 05/13/22 12:44        | 8015M            |  |
| <b>Methane</b>                         | <b>3.52</b>    | 0.200   | mg/L | 1   | P2E1802        | 05/13/22 12:44        | 05/13/22 13:18        | 8015M            |  |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |  |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--|
| <b>Chemical Oxygen Demand</b> | <b>35.0</b> | 10.0  | mg/L | 1 | P2E1801 | 05/20/22 07:58 | 05/20/22 07:58 | 8000      |  |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 17:20 | EPA 300.0 |  |
| <b>Sulfate</b>                | <b>4.65</b> | 1.00  | mg/L | 1 | P2E0401 | 05/04/22 09:43 | 05/04/22 17:20 | EPA 300.0 |  |
| <b>Total Organic Carbon</b>   | <b>13.3</b> | 1.00  | mg/L | 1 | P2E1802 | 05/13/22 20:02 | 05/13/22 20:02 | EPA 415.1 |  |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |        |      |   |         |                |                |           |  |
|------------------|--------------|--------|------|---|---------|----------------|----------------|-----------|--|
| <b>Iron</b>      | <b>3.73</b>  | 0.0170 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:37 | EPA 6010B |  |
| <b>Manganese</b> | <b>0.237</b> | 0.0100 | mg/L | 1 | P2E1602 | 05/16/22 10:58 | 05/16/22 13:37 | EPA 6010B |  |

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

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

**Batch P2E0610 - General Preparation (GC)**

**Calibration Blank (P2E0610-CCB3)**

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.650 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.220 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.660 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.05  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.480 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117 |  | "    | 0.120 |  | 97.7 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |  | "    | 0.120 |  | 99.7 | 80-120 |  |  |  |

**Calibration Check (P2E0610-CCV3)**

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.101 | 0.00100 | mg/L | 0.102 |  | 99.4 | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.102 |  | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.109 | 0.00100 | "    | 0.102 |  | 107  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.219 | 0.00200 | "    | 0.204 |  | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.108 | 0.00100 | "    | 0.102 |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.120 |         | "    | 0.120 |  | 100  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |

**Matrix Spike (P2E0610-MS1)**

Source: 2E04001-01

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |        |         |      |       |          |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|----------|------|--------|--|--|--|
| Benzene                         | 0.0988 | 0.00100 | mg/L | 0.100 | 0.000640 | 98.1 | 80-120 |  |  |  |
| Toluene                         | 0.106  | 0.00100 | "    | 0.100 | ND       | 106  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.118  | 0.00100 | "    | 0.100 | 0.00237  | 116  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.222  | 0.00200 | "    | 0.200 | ND       | 111  | 80-120 |  |  |  |
| Xylene (o)                      | 0.111  | 0.00100 | "    | 0.100 | ND       | 111  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |          | 104  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120  |         | "    | 0.120 |          | 99.9 | 80-120 |  |  |  |

**Matrix Spike Dup (P2E0610-MSD1)**

Source: 2E04001-01

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |        |         |      |       |          |      |        |       |    |  |
|---------------------------------|--------|---------|------|-------|----------|------|--------|-------|----|--|
| Benzene                         | 0.0976 | 0.00100 | mg/L | 0.100 | 0.000640 | 97.0 | 80-120 | 1.18  | 20 |  |
| Toluene                         | 0.106  | 0.00100 | "    | 0.100 | ND       | 106  | 80-120 | 0.859 | 20 |  |
| Ethylbenzene                    | 0.120  | 0.00100 | "    | 0.100 | 0.00237  | 118  | 80-120 | 1.69  | 20 |  |
| Xylene (p/m)                    | 0.221  | 0.00200 | "    | 0.200 | ND       | 111  | 80-120 | 0.144 | 20 |  |
| Xylene (o)                      | 0.112  | 0.00100 | "    | 0.100 | ND       | 112  | 80-120 | 0.960 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |          | 104  | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120  |         | "    | 0.120 |          | 99.9 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2E0401 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2E0401-BLK1)**

Prepared & Analyzed: 05/04/22

|              |    |       |      |  |  |  |  |  |  |  |
|--------------|----|-------|------|--|--|--|--|--|--|--|
| Nitrate as N | ND | 0.100 | mg/L |  |  |  |  |  |  |  |
| Sulfate      | ND | 0.500 | "    |  |  |  |  |  |  |  |

**LCS (P2E0401-BS1)**

Prepared: 05/04/22 Analyzed: 05/05/22

|              |      |  |      |      |  |     |        |  |  |  |
|--------------|------|--|------|------|--|-----|--------|--|--|--|
| Sulfate      | 42.1 |  | mg/L | 40.0 |  | 105 | 90-110 |  |  |  |
| Nitrate as N | 8.06 |  | "    | 8.00 |  | 101 | 90-110 |  |  |  |

**LCS Dup (P2E0401-BSD1)**

Prepared: 05/04/22 Analyzed: 05/05/22

|              |      |  |      |      |  |     |        |        |    |  |
|--------------|------|--|------|------|--|-----|--------|--------|----|--|
| Sulfate      | 41.8 |  | mg/L | 40.0 |  | 105 | 90-110 | 0.710  | 10 |  |
| Nitrate as N | 8.07 |  | "    | 8.00 |  | 101 | 90-110 | 0.0991 | 10 |  |

**Calibration Check (P2E0401-CCV1)**

Prepared & Analyzed: 05/04/22

|              |      |  |      |      |  |      |        |  |  |  |
|--------------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate      | 20.9 |  | mg/L | 20.0 |  | 104  | 90-110 |  |  |  |
| Nitrate as N | 1.96 |  | "    | 2.00 |  | 97.9 | 90-110 |  |  |  |

**Matrix Spike (P2E0401-MS1)**

Source: 2E04001-01

Prepared & Analyzed: 05/04/22

|              |       |       |      |      |       |      |        |  |  |       |
|--------------|-------|-------|------|------|-------|------|--------|--|--|-------|
| Sulfate      | 38.6  | 1.00  | mg/L | 5.00 | 34.7  | 77.3 | 80-120 |  |  | QM-05 |
| Nitrate as N | 0.928 | 0.200 | "    | 1.00 | 0.150 | 77.8 | 80-120 |  |  | QM-05 |

**Matrix Spike Dup (P2E0401-MSD1)**

Source: 2E04001-01

Prepared & Analyzed: 05/04/22

|              |      |       |      |      |       |     |        |      |    |       |
|--------------|------|-------|------|------|-------|-----|--------|------|----|-------|
| Sulfate      | 40.1 | 1.00  | mg/L | 5.00 | 34.7  | 109 | 80-120 | 3.98 | 20 |       |
| Nitrate as N | 1.23 | 0.200 | "    | 1.00 | 0.150 | 108 | 80-120 | 28.2 | 20 | QM-05 |

**Batch P2E1801 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2E1801-BLK1)**

Prepared & Analyzed: 05/20/22

|                        |    |      |      |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Chemical Oxygen Demand | ND | 10.0 | mg/L |  |  |  |  |  |  |  |
|------------------------|----|------|------|--|--|--|--|--|--|--|

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: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

| Analyte                                     | Result | Reporting<br>Limit        | Units | Spike<br>Level                | Source<br>Result | %REC | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------------------|--------|---------------------------|-------|-------------------------------|------------------|------|----------------|------|--------------|-------|
| <b>Batch P2E1801 - *** DEFAULT PREP ***</b> |        |                           |       |                               |                  |      |                |      |              |       |
| <b>LCS (P2E1801-BS1)</b>                    |        |                           |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 1070   | 10.0                      | mg/L  | 1000                          |                  | 107  | 80-120         |      |              |       |
| <b>LCS Dup (P2E1801-BSD1)</b>               |        |                           |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 1110   | 10.0                      | mg/L  | 1000                          |                  | 111  | 80-120         | 3.95 | 20           |       |
| <b>Calibration Check (P2E1801-CCV1)</b>     |        |                           |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 918    | 10.0                      | mg/L  | 1000                          |                  | 91.8 | 80-120         |      |              |       |
| <b>Calibration Check (P2E1801-CCV2)</b>     |        |                           |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 917    | 10.0                      | mg/L  | 1000                          |                  | 91.7 | 80-120         |      |              |       |
| <b>Calibration Check (P2E1801-CCV3)</b>     |        |                           |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 918    | 10.0                      | mg/L  | 1000                          |                  | 91.8 | 80-120         |      |              |       |
| <b>Duplicate (P2E1801-DUP1)</b>             |        | <b>Source: 2E04001-01</b> |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 14.0   | 10.0                      | mg/L  |                               | 14.0             |      |                | 0.00 | 20           |       |
| <b>Matrix Spike (P2E1801-MS1)</b>           |        | <b>Source: 2E04001-01</b> |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 65.0   | 10.0                      | mg/L  | 1000                          | 14.0             | 5.10 | 80-120         |      |              | QM-05 |
| <b>Matrix Spike Dup (P2E1801-MSD1)</b>      |        | <b>Source: 2E04001-01</b> |       | Prepared & Analyzed: 05/20/22 |                  |      |                |      |              |       |
| Chemical Oxygen Demand                      | 66.0   | 10.0                      | mg/L  | 1000                          | 14.0             | 5.20 | 80-120         | 1.53 | 20           | QM-05 |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte                                     | Result   | Reporting<br>Limit | Units | Spike<br>Level                | Source<br>Result | %REC                          | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------------------|----------|--------------------|-------|-------------------------------|------------------|-------------------------------|----------------|------|--------------|-------|
| <b>Batch P2E1602 - *** DEFAULT PREP ***</b> |          |                    |       |                               |                  |                               |                |      |              |       |
| <b>Blank (P2E1602-BLK1)</b>                 |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Iron                                        | ND       | 0.0170             | mg/L  |                               |                  |                               |                |      |              |       |
| Manganese                                   | 0.000558 | 0.0100             | "     |                               |                  |                               |                |      |              | J     |
| <b>LCS (P2E1602-BS1)</b>                    |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Iron                                        | 0.389    | 0.0170             | mg/L  | 0.400                         |                  | 97.3                          | 80-120         |      |              |       |
| Manganese                                   | 0.214    | 0.0100             | "     | 0.200                         |                  | 107                           | 85-115         |      |              |       |
| <b>LCS Dup (P2E1602-BSD1)</b>               |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Manganese                                   | 0.209    | 0.0100             | mg/L  | 0.200                         |                  | 105                           | 85-115         | 2.24 | 20           |       |
| Iron                                        | 0.402    | 0.0170             | "     | 0.400                         |                  | 101                           | 80-120         | 3.34 | 20           |       |
| <b>Calibration Blank (P2E1602-CCB1)</b>     |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Manganese                                   | 0.000868 |                    | mg/L  |                               |                  |                               |                |      |              | J     |
| Iron                                        | 0.00939  |                    | "     |                               |                  |                               |                |      |              |       |
| <b>Calibration Blank (P2E1602-CCB2)</b>     |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Manganese                                   | 0.000665 |                    | mg/L  |                               |                  |                               |                |      |              | J     |
| Iron                                        | 0.00785  |                    | "     |                               |                  |                               |                |      |              |       |
| <b>Calibration Check (P2E1602-CCV1)</b>     |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Manganese                                   | 0.215    | 0.0100             | mg/L  | 0.200                         |                  | 108                           | 90-110         |      |              |       |
| Iron                                        | 0.387    | 0.0170             | "     | 0.400                         |                  | 96.8                          | 90-110         |      |              |       |
| <b>Calibration Check (P2E1602-CCV2)</b>     |          |                    |       | Prepared & Analyzed: 05/16/22 |                  |                               |                |      |              |       |
| Manganese                                   | 0.210    | 0.0100             | mg/L  | 0.200                         |                  | 105                           | 90-110         |      |              |       |
| Iron                                        | 0.439    | 0.0170             | "     | 0.400                         |                  | 110                           | 90-110         |      |              |       |
| <b>Matrix Spike (P2E1602-MS1)</b>           |          |                    |       | <b>Source: 2E04001-01</b>     |                  | Prepared & Analyzed: 05/16/22 |                |      |              |       |
| Iron                                        | 0.858    | 0.0170             | mg/L  | 0.400                         | 0.435            | 106                           | 75-125         |      |              |       |
| Manganese                                   | 0.338    | 0.0100             | "     | 0.200                         | 0.0449           | 146                           | 75-125         |      |              | QM-05 |

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2E1602 - \*\*\* DEFAULT PREP \*\*\***

| Matrix Spike Dup (P2E1602-MSD1) | Source: 2E04001-01 |        |      | Prepared & Analyzed: 05/16/22 |        |     |        |      |    |  |
|---------------------------------|--------------------|--------|------|-------------------------------|--------|-----|--------|------|----|--|
| Iron                            | 0.940              | 0.0170 | mg/L | 0.400                         | 0.435  | 126 | 75-125 | 9.10 | 20 |  |
| Manganese                       | 0.293              | 0.0100 | "    | 0.200                         | 0.0449 | 124 | 75-125 | 14.3 | 20 |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

### Notes and Definitions

ROI Received on Ice

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

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

NPBEL C Chain of Custody was not generated at PBELAB

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

5/24/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11  
Project Manager: Curt Stanley

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

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







DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

| Yes                                 | Notes                                                              |
|-------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Chain of custody signed/dated/time when relinquished and received? |
| <input checked="" type="checkbox"/> | Sampler name present on COC?                                       |
| <input checked="" type="checkbox"/> | Sample containers intact?                                          |
| <input checked="" type="checkbox"/> | Samples in proper container/bottle?                                |
| <input checked="" type="checkbox"/> | All samples received within holding time?                          |
| <input checked="" type="checkbox"/> | Analysis requested for all samples submitted?                      |
| <input checked="" type="checkbox"/> | Custody seals intact on shipping container/cooler?                 |

Login Notes:  
Assorted poly  
HCL WAA  
MNA Kits  
2E04001



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted  
Name:  
Date/Time:  
NC Initiated by:  
Approved by:

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11  
Project Number: TNM SPS -11  
Location: Lea County, NM  
Lab Order Number: 2E06002



**Current Certification**

Report Date: 05/12/22

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW24      | 2E06002-01    | Water  | 05/06/22 11:15 | 05-06-2022 08:41 |
| MW29      | 2E06002-02    | Water  | 05/06/22 11:42 | 05-06-2022 08:41 |
| MW10      | 2E06002-03    | Water  | 05/06/22 12:10 | 05-06-2022 08:41 |
| MW6       | 2E06002-04    | Water  | 05/06/22 12:55 | 05-06-2022 08:41 |
| MW28      | 2E06002-05    | Water  | 05/06/22 13:23 | 05-06-2022 08:41 |
| MW26      | 2E06002-06    | Water  | 05/06/22 14:03 | 05-06-2022 08:41 |
| MW1       | 2E06002-07    | Water  | 05/06/22 15:10 | 05-06-2022 08:41 |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW24**  
**2E06002-01 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 97.4 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 100 %  |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/10/22 09:37 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW29****2E06002-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.5 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 99.4 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 22:44 | EPA 8021B |  |

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|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW10  
2E06002-03 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Organics by GC                  |        |         |        |   |         |                |                |           |  |
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.5 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.3 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:06 | EPA 8021B |  |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW6****2E06002-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Surrogate: 4-Bromofluorobenzene | 98.4 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | EPA 8021B |
| Surrogate: 1,4-Difluorobenzene  | 100 %  |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:27 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW28****2E06002-05 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.1 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.9 % |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/09/22 23:49 | EPA 8021B |  |

Permian Basin Environmental Lab, L.P.

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|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW26

2E06002-06 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |         |         |        |   |         |                |                |           |  |
|---------------------------------|---------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Organics by GC                  |         |         |        |   |         |                |                |           |  |
| Benzene                         | 0.00693 | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Toluene                         | 0.0112  | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Ethylbenzene                    | 0.00702 | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Xylene (p/m)                    | 0.00472 | 0.00200 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Xylene (o)                      | 0.00240 | 0.00100 | mg/L   | 1 | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 96.9 %  |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 98.7 %  |         | 80-120 |   | P2E0610 | 05/06/22 14:52 | 05/10/22 00:10 | 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: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW1  
2E06002-07 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |        |        |      |    |         |                |                |           |  |
|---------------------------------|--------|--------|------|----|---------|----------------|----------------|-----------|--|
| Organics by GC                  |        |        |      |    |         |                |                |           |  |
| Benzene                         | 3.10   | 0.0100 | mg/L | 10 | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Toluene                         | 0.0289 | 0.0100 | mg/L | 10 | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Ethylbenzene                    | 0.107  | 0.0100 | mg/L | 10 | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Xylene (p/m)                    | 0.0833 | 0.0200 | mg/L | 10 | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Xylene (o)                      | 0.0185 | 0.0100 | mg/L | 10 | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 99.0 % | 80-120 |      |    | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 100 %  | 80-120 |      |    | P2E0610 | 05/07/22 14:52 | 05/10/22 11:01 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2E0610 - General Preparation (GC)**

**Calibration Blank (P2E0610-CCB3)**

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.650 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.220 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.660 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.05  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.480 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117 |  | "    | 0.120 |  | 97.7 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |  | "    | 0.120 |  | 99.7 | 80-120 |  |  |  |

**Calibration Check (P2E0610-CCV3)**

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.101 | 0.00100 | mg/L | 0.102 |  | 99.4 | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.102 |  | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.109 | 0.00100 | "    | 0.102 |  | 107  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.219 | 0.00200 | "    | 0.204 |  | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.108 | 0.00100 | "    | 0.102 |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.120 |         | "    | 0.120 |  | 100  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |

**Matrix Spike (P2E0610-MS1)**

Source: 2E04001-01

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |        |         |      |       |          |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|----------|------|--------|--|--|--|
| Benzene                         | 0.0988 | 0.00100 | mg/L | 0.100 | 0.000640 | 98.1 | 80-120 |  |  |  |
| Toluene                         | 0.106  | 0.00100 | "    | 0.100 | ND       | 106  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.118  | 0.00100 | "    | 0.100 | 0.00237  | 116  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.222  | 0.00200 | "    | 0.200 | ND       | 111  | 80-120 |  |  |  |
| Xylene (o)                      | 0.111  | 0.00100 | "    | 0.100 | ND       | 111  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |          | 104  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120  |         | "    | 0.120 |          | 99.9 | 80-120 |  |  |  |

**Matrix Spike Dup (P2E0610-MSD1)**

Source: 2E04001-01

Prepared: 05/06/22 Analyzed: 05/10/22

|                                 |        |         |      |       |          |      |        |       |    |  |
|---------------------------------|--------|---------|------|-------|----------|------|--------|-------|----|--|
| Benzene                         | 0.0976 | 0.00100 | mg/L | 0.100 | 0.000640 | 97.0 | 80-120 | 1.18  | 20 |  |
| Toluene                         | 0.106  | 0.00100 | "    | 0.100 | ND       | 106  | 80-120 | 0.859 | 20 |  |
| Ethylbenzene                    | 0.120  | 0.00100 | "    | 0.100 | 0.00237  | 118  | 80-120 | 1.69  | 20 |  |
| Xylene (p/m)                    | 0.221  | 0.00200 | "    | 0.200 | ND       | 111  | 80-120 | 0.144 | 20 |  |
| Xylene (o)                      | 0.112  | 0.00100 | "    | 0.100 | ND       | 112  | 80-120 | 0.960 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |          | 104  | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120  |         | "    | 0.120 |          | 99.9 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

### Notes and Definitions

ROI Received on Ice

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

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:

5/12/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

**PBBLAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 4

Project Manager: Curt Stanley

Project Name: SPS-11

Company Name: TRC Environmental Corporation

Project #: TNM SPS-11

Company Address: 10 Desta Drive, Suite 130E

Project Loc: Lea County, NM

City/State/Zip: Midland, TX 79705

PO #:

Telephone No: 432-659-3296

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

e-mail: cdstanley@trccompanies.com

cjbryan@paalp.com  
khudgens@paalp.com

(lab use only)

ORDER #: 2606002

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO <sub>3</sub> | HCl | H <sub>2</sub> SO <sub>4</sub> | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None | Other (Specify) | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | TPH by Method TX 1005 (Extend to C3) | BTEX by Method 8021B | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|-----------------------------------------------|------|-----------------|----------------------------------------------------------------------------------------------|--------------------------------------|----------------------|----------------------------------------|--------------|
| 1                    | MW-24      |                 |              | 5-4-22       | 11:15        |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
| 2                    | MW-29      |                 |              |              | 11:42        |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
| 3                    | MW-10      |                 |              |              | 12:10        |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
| 4                    | MW-6       |                 |              |              | 12:55        |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
| 5                    | MW-28      |                 |              |              | 13:23        |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
|                      | MW-16      |                 |              |              |              |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
|                      | MW-26      |                 |              |              |              |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
|                      | MW-19      |                 |              |              |              |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |
|                      | MW-21      |                 |              |              |              |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 | GW                                                                                           |                                      |                      |                                        | X            |

Special Instructions:

Requested by: *Wanase* Date: *5-6-22* Time: *8:41* Received by: *Wanase*Requested by: *Wanase* Date: *5-6-22* Time: *8:41* Received by: *Wanase*Requested by: *Wanase* Date: *5-6-22* Time: *8:41* Received by: *Wanase*Requested by: *Wanase* Date: *5-6-22* Time: *8:41* Received by: *Wanase*

Laboratory Comments:

Sample Containers in bag?

VOCs Free of Headspace?

Labels on container(s)?

Custody seals on container(s)?

Sample Hand Delivered?

by Courier?

Temperature Upon Receipt:

Adjusted: *28.4* °C Factor *1*

by Sampler/Client Rep.?

UPS DHL FedEx Lone Star

Y Y Y Y

Y Y Y Y

Y Y Y Y

Y Y Y Y

Y Y Y Y

**PBBI LAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

205  
Page 1 of 1

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Suite 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432-559-3296

Fax No:

Sampler Signature: \_\_\_\_\_

e-mail: cdstanley@trccompanies.com

cdstnley@paalp.com  
khudgens@paalp.com

Report Format:

☐ Standard☐ TRRP☐ NPDES

PO #:

Project Name: SPS-11  
Project #: TNM SPS-11  
Project Loc: Lee County, NM

Project Name: SPS-11

Project #: TNM SPS-11

Page 13 of 14

(lab use only)

ORDER #: 2E06002

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO <sub>3</sub> | HCl | H <sub>2</sub> SO <sub>4</sub> | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None | Other (Specify) | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix | TPH by Method TX 1005 (Extend to C3) | BTEX by Method 8021B | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|-----------------------------------------------|------|-----------------|----------------------------------------------------------------------------------------------|--------|--------------------------------------|----------------------|----------------------------------------|--------------|
|                      | MMW-30     |                 |              |              |              |                | 3                      | X   | X                | X   |                                |      |                                               |      |                 |                                                                                              | GW     |                                      |                      |                                        | X            |
|                      | MMW-18     |                 |              |              |              |                | 3                      | X   | X                | X   |                                |      |                                               |      |                 |                                                                                              | GW     |                                      |                      |                                        | X            |
| 7                    | MMW-1      |                 |              | 5-4-22       | 1510         |                | 3                      | X   | X                | X   |                                |      |                                               |      |                 |                                                                                              | GW     |                                      |                      |                                        | X            |
|                      | MMW-2      |                 |              |              |              |                | 3                      | X   | X                | X   |                                |      |                                               |      |                 |                                                                                              | GW     |                                      |                      |                                        | X            |
|                      | MMW-7      |                 |              |              |              |                | 3                      | X   |                  | X   |                                |      |                                               |      |                 |                                                                                              | GW     |                                      |                      |                                        | X            |

Special Instructions:

Inquired by:

Date

Time

Received by:

Date

Time

Inquired by:

Date

Time

Received by:

Date

Time

Inquired by:

Date

Time

Received by:

Date

Time

## Laboratory Comments:

Sample Containers: Inadequate

VOCs: Free of Headspace?

Label on container(s)

Custody seals on container(s)

Gustafson (Seal on container(s))

Sample Hand Delivered

by Courier?

Temperature Upon Receipt:

Adjusted:

N

N

N

N

N

N

N

N

N





DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

| Yes                                 | Notes                                                                       |
|-------------------------------------|-----------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> | Chain of custody present?                                                   |
| <input checked="" type="checkbox"/> | Chain of custody signed/dated/time when relinquished and received?          |
| <input checked="" type="checkbox"/> | Chain of custody present on COC for all samples?                            |
| <input checked="" type="checkbox"/> | Samplers name present on COC?                                               |
| <input checked="" type="checkbox"/> | Chain of Custody signed/dated/time when relinquished and received?          |
| <input checked="" type="checkbox"/> | Sample containers intact?                                                   |
| <input checked="" type="checkbox"/> | Chain of custody present on sample bottles?                                 |
| <input checked="" type="checkbox"/> | Samples in proper container/bottle?                                         |
| <input checked="" type="checkbox"/> | Chain of custody signed/dated/time when relinquished and received?          |
| <input checked="" type="checkbox"/> | All samples received within holding time?                                   |
| <input checked="" type="checkbox"/> | Surveys completed within appropriate time?                                  |
| <input checked="" type="checkbox"/> | Analysis requested for all samples submitted?                               |
| <input checked="" type="checkbox"/> | Sampling container/cooler signed/dated/time when relinquished and received? |
| <input checked="" type="checkbox"/> | Custody seals intact on shipping container/cooler?                          |

Login Notes:

HLVWA X 3 each

AE06002



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Temp 28.4 on Ice

Resolution:

Client Contacted: NO

Name:

Date/Time:

NC Initiated by: TB

Approved by:



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



# Analytical Report

**Prepared for:**

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Location: Lea County, New Mexico  
Lab Order Number: 2H04002



**Current Certification**

Report Date: 08/22/22

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW- 35    | 2H04002-01    | Water  | 08/03/22 10:39 | 08-04-2022 09:30 |
| MW- 14    | 2H04002-02    | Water  | 08/03/22 11:57 | 08-04-2022 09:30 |
| MW- 32    | 2H04002-03    | Water  | 08/03/22 12:13 | 08-04-2022 09:30 |
| MW- 9     | 2H04002-04    | Water  | 08/03/22 12:54 | 08-04-2022 09:30 |
| MW- 4     | 2H04002-05    | Water  | 08/03/22 13:49 | 08-04-2022 09:30 |
| MW- 11    | 2H04002-06    | Water  | 08/03/22 14:39 | 08-04-2022 09:30 |

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 35**  
**2H04002-01 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |         |          |        |   |         |                |                |           |        |
|---------------------------------|---------|----------|--------|---|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND      | 0.00100  | mg/L   | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Toluene                         | ND      | 0.00100  | mg/L   | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Ethylbenzene                    | ND      | 0.00100  | mg/L   | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Xylene (p/m)                    | ND      | 0.00200  | mg/L   | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B | B      |
| Xylene (o)                      | ND      | 0.00100  | mg/L   | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 106 %   |          | 80-120 |   | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 99.8 %  |          | 80-120 |   | P2H0505 | 08/05/22 12:59 | 08/06/22 01:01 | EPA 8021B |        |
| Ethane                          | ND      | 0.00100  | mg/L   | 1 | P2H2206 | 08/15/22 13:30 | 08/15/22 13:30 | 8015M     | SUB-13 |
| Ethene                          | 0.00314 | 0.00100  | mg/L   | 1 | P2H2206 | 08/15/22 13:30 | 08/15/22 13:30 | 8015M     | SUB-13 |
| Methane                         | 0.00590 | 0.000500 | mg/L   | 1 | P2H2206 | 08/15/22 13:30 | 08/15/22 13:30 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                        |       |       |      |    |         |                |                |           |        |
|------------------------|-------|-------|------|----|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand | ND    | 10.0  | mg/L | 1  | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| Nitrate as N           | 0.257 | 0.200 | mg/L | 1  | P2H0412 | 08/04/22 15:34 | 08/04/22 17:13 | EPA 300.0 |        |
| Sulfate                | 207   | 10.0  | mg/L | 10 | P2H0412 | 08/04/22 15:34 | 08/05/22 08:31 | EPA 300.0 |        |
| Total Organic Carbon   | 5.39  | 1.00  | mg/L | 1  | P2H2206 | 08/15/22 20:19 | 08/15/22 20:19 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|           |        |       |      |   |         |                |                |           |         |
|-----------|--------|-------|------|---|---------|----------------|----------------|-----------|---------|
| Iron      | 0.519  | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:39 | EPA 6010B | QAL1    |
| Manganese | 0.0611 | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:39 | EPA 6010B | QAL1, J |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 14****2H04002-02 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |                |         |      |   |         |                |                |           |        |
|---------------------------------|----------------|---------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Benzene</b>                  | <b>0.00119</b> | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| Toluene                         | ND             | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| Ethylbenzene                    | ND             | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| Xylene (p/m)                    | ND             | 0.00200 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B | B      |
| <b>Xylene (o)</b>               | <b>0.00164</b> | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 106 %          | 80-120  |      |   | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 101 %          | 80-120  |      |   | P2H0505 | 08/05/22 12:59 | 08/06/22 01:22 | EPA 8021B |        |
| <b>Ethane</b>                   | <b>0.00161</b> | 0.00100 | mg/L | 1 | P2H2206 | 08/15/22 13:43 | 08/15/22 13:43 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00228</b> | 0.00100 | mg/L | 1 | P2H2206 | 08/15/22 13:43 | 08/15/22 13:43 | 8015M     | SUB-13 |
| <b>Methane</b>                  | <b>0.436</b>   | 0.00125 | mg/L | 1 | P2H2206 | 08/15/22 13:43 | 08/15/22 14:50 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>128</b>  | 10.0  | mg/L | 1 | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:10 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>5.12</b> | 1.00  | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:10 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>48.0</b> | 2.00  | mg/L | 1 | P2H2206 | 08/16/22 12:37 | 08/16/22 12:37 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |       |      |   |         |                |                |           |      |
|------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>2.92</b>  | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:43 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.289</b> | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:43 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 32**  
**2H04002-03 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |               |      |   |                |                       |                       |                  |        |
|----------------------------------------|----------------|---------------|------|---|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>0.00247</b> | 0.00100       | mg/L | 1 | P2H0505        | 08/05/22 12:59        | 08/06/22 01:43        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.00347</b> | 0.00100       | mg/L | 1 | P2H0505        | 08/05/22 12:59        | 08/06/22 01:43        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>0.0175</b>  | 0.00100       | mg/L | 1 | P2H0505        | 08/05/22 12:59        | 08/06/22 01:43        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>0.0197</b>  | 0.00200       | mg/L | 1 | P2H0505        | 08/05/22 12:59        | 08/06/22 01:43        | EPA 8021B        | B      |
| <b>Xylene (o)</b>                      | <b>0.00853</b> | 0.00100       | mg/L | 1 | P2H0505        | 08/05/22 12:59        | 08/06/22 01:43        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>109 %</i>   | <i>80-120</i> |      |   | <i>P2H0505</i> | <i>08/05/22 12:59</i> | <i>08/06/22 01:43</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>98.4 %</i>  | <i>80-120</i> |      |   | <i>P2H0505</i> | <i>08/05/22 12:59</i> | <i>08/06/22 01:43</i> | <i>EPA 8021B</i> |        |
| Ethane                                 | ND             | 0.00100       | mg/L | 1 | P2H2206        | 08/15/22 13:56        | 08/15/22 13:56        | 8015M            | SUB-13 |
| <b>Ethene</b>                          | <b>0.00259</b> | 0.00100       | mg/L | 1 | P2H2206        | 08/15/22 13:56        | 08/15/22 13:56        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>0.00191</b> | 0.000500      | mg/L | 1 | P2H2206        | 08/15/22 13:56        | 08/15/22 13:56        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                             |              |       |      |   |         |                |                |           |        |
|-----------------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand      | ND           | 10.0  | mg/L | 1 | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| <b>Nitrate as N</b>         | <b>0.933</b> | 0.200 | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:29 | EPA 300.0 |        |
| <b>Sulfate</b>              | <b>39.9</b>  | 1.00  | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:29 | EPA 300.0 |        |
| <b>Total Organic Carbon</b> | <b>1.78</b>  | 1.00  | mg/L | 1 | P2H2206 | 08/15/22 21:00 | 08/15/22 21:00 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |       |      |   |         |                |                |           |         |
|------------------|---------------|-------|------|---|---------|----------------|----------------|-----------|---------|
| Iron             | ND            | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:46 | EPA 6010B | QAL1    |
| <b>Manganese</b> | <b>0.0245</b> | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:46 | EPA 6010B | J, QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 9**  
**2H04002-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |                |         |      |   |         |                |                |           |        |
|---------------------------------|----------------|---------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Benzene</b>                  | <b>0.226</b>   | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| Toluene                         | ND             | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| <b>Ethylbenzene</b>             | <b>0.0121</b>  | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| <b>Xylene (p/m)</b>             | <b>0.00366</b> | 0.00200 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B | B      |
| <b>Xylene (o)</b>               | <b>0.00148</b> | 0.00100 | mg/L | 1 | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 109 %          | 80-120  |      |   | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 98.2 %         | 80-120  |      |   | P2H0505 | 08/05/22 12:59 | 08/06/22 02:04 | EPA 8021B |        |
| Ethane                          | ND             | 0.00100 | mg/L | 1 | P2H2206 | 08/15/22 14:04 | 08/15/22 14:04 | 8015M     | SUB-13 |
| <b>Ethene</b>                   | <b>0.00584</b> | 0.00100 | mg/L | 1 | P2H2206 | 08/15/22 14:04 | 08/15/22 14:04 | 8015M     | SUB-13 |
| <b>Methane</b>                  | <b>0.708</b>   | 0.00250 | mg/L | 1 | P2H2206 | 08/15/22 14:04 | 08/15/22 14:58 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>113</b>  | 10.0  | mg/L | 1 | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:48 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>3.06</b> | 1.00  | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 18:48 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>55.5</b> | 2.00  | mg/L | 1 | P2H2206 | 08/16/22 12:49 | 08/16/22 12:49 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |       |      |   |         |                |                |           |      |
|------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>13.2</b>  | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:50 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.683</b> | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:50 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 4**  
**2H04002-05 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |               |      |   |                |                       |                       |                  |             |
|----------------------------------------|----------------|---------------|------|---|----------------|-----------------------|-----------------------|------------------|-------------|
| <b>Benzene</b>                         | <b>0.340</b>   | 0.00500       | mg/L | 5 | P2H1510        | 08/15/22 14:32        | 08/15/22 19:17        | EPA 8021B        |             |
| <b>Toluene</b>                         | <b>0.00481</b> | 0.00100       | mg/L | 1 | P2H1510        | 08/15/22 14:32        | 08/15/22 19:17        | EPA 8021B        |             |
| <b>Ethylbenzene</b>                    | <b>0.0140</b>  | 0.00500       | mg/L | 5 | P2H1510        | 08/15/22 14:32        | 08/15/22 19:17        | EPA 8021B        |             |
| <b>Xylene (p/m)</b>                    | <b>0.701</b>   | 0.00200       | mg/L | 1 | P2H1510        | 08/15/22 14:32        | 08/15/22 19:17        | EPA 8021B        |             |
| <b>Xylene (o)</b>                      | <b>0.332</b>   | 0.00100       | mg/L | 1 | P2H1510        | 08/15/22 14:32        | 08/15/22 19:17        | EPA 8021B        |             |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>129 %</i>   | <i>80-120</i> |      |   | <i>P2H1510</i> | <i>08/15/22 14:32</i> | <i>08/15/22 19:17</i> | <i>EPA 8021B</i> | <i>S-GC</i> |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>87.6 %</i>  | <i>80-120</i> |      |   | <i>P2H1510</i> | <i>08/15/22 14:32</i> | <i>08/15/22 19:17</i> | <i>EPA 8021B</i> |             |
| Ethane                                 | ND             | 0.00100       | mg/L | 1 | P2H2206        | 08/15/22 14:12        | 08/15/22 14:12        | 8015M            | SUB-13      |
| <b>Ethene</b>                          | <b>0.00261</b> | 0.00100       | mg/L | 1 | P2H2206        | 08/15/22 14:12        | 08/15/22 14:12        | 8015M            | SUB-13      |
| <b>Methane</b>                         | <b>0.398</b>   | 0.00125       | mg/L | 1 | P2H2206        | 08/15/22 14:12        | 08/15/22 15:06        | 8015M            | SUB-13      |

**General Chemistry Parameters by EPA / Standard Methods**

|                             |             |       |      |   |         |                |                |           |        |
|-----------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand      | ND          | 10.0  | mg/L | 1 | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| <b>Nitrate as N</b>         | <b>1.17</b> | 0.200 | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 19:07 | EPA 300.0 |        |
| <b>Sulfate</b>              | <b>49.3</b> | 1.00  | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 19:07 | EPA 300.0 |        |
| <b>Total Organic Carbon</b> | <b>1.58</b> | 1.00  | mg/L | 1 | P2H2206 | 08/15/22 21:26 | 08/15/22 21:26 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |       |      |   |         |                |                |           |         |
|------------------|---------------|-------|------|---|---------|----------------|----------------|-----------|---------|
| <b>Iron</b>      | <b>0.337</b>  | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:53 | EPA 6010B | QAL1    |
| <b>Manganese</b> | <b>0.0523</b> | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:53 | EPA 6010B | J, QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 11**  
**2H04002-06 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |               |      |    |                |                       |                       |                  |        |
|----------------------------------------|----------------|---------------|------|----|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>7.85</b>    | 0.0200        | mg/L | 20 | P2H1510        | 08/15/22 14:32        | 08/15/22 18:34        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.00595</b> | 0.00500       | mg/L | 5  | P2H1510        | 08/15/22 14:32        | 08/15/22 18:34        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>2.40</b>    | 0.0200        | mg/L | 20 | P2H1510        | 08/15/22 14:32        | 08/15/22 18:34        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>1.35</b>    | 0.0400        | mg/L | 20 | P2H1510        | 08/15/22 14:32        | 08/15/22 18:34        | EPA 8021B        |        |
| <b>Xylene (o)</b>                      | <b>0.120</b>   | 0.0200        | mg/L | 20 | P2H1510        | 08/15/22 14:32        | 08/15/22 18:34        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>103 %</i>   | <i>80-120</i> |      |    | <i>P2H1510</i> | <i>08/15/22 14:32</i> | <i>08/15/22 18:34</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>96.6 %</i>  | <i>80-120</i> |      |    | <i>P2H1510</i> | <i>08/15/22 14:32</i> | <i>08/15/22 18:34</i> | <i>EPA 8021B</i> |        |
| <b>Ethane</b>                          | <b>0.0103</b>  | 0.00100       | mg/L | 1  | P2H2206        | 08/15/22 21:38        | 08/15/22 14:22        | 8015M            | SUB-13 |
| <b>Ethene</b>                          | <b>ND</b>      | 0.00100       | mg/L | 1  | P2H2206        | 08/15/22 21:38        | 08/15/22 14:22        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>2.95</b>    | 0.100         | mg/L | 1  | P2H2206        | 08/15/22 21:38        | 08/15/22 15:24        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>45.0</b> | 10.0  | mg/L | 1 | P2H1001 | 08/10/22 08:18 | 08/10/22 16:13 | 8000      |        |
| <b>Nitrate as N</b>           | <b>ND</b>   | 0.200 | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 19:26 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>4.02</b> | 1.00  | mg/L | 1 | P2H0412 | 08/04/22 15:34 | 08/04/22 19:26 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>15.4</b> | 1.00  | mg/L | 1 | P2H2206 | 08/15/22 21:38 | 08/15/22 21:38 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |       |      |   |         |                |                |           |      |
|------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>3.70</b>  | 0.200 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:56 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.257</b> | 0.100 | mg/L | 1 | P2H0910 | 08/09/22 13:09 | 08/10/22 10:56 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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



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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

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

**Batch P2H0505 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2H0505-BLK1)**

Prepared & Analyzed: 08/05/22

|                                 |         |         |      |       |  |      |        |  |  |   |
|---------------------------------|---------|---------|------|-------|--|------|--------|--|--|---|
| Benzene                         | ND      | 0.00100 | mg/L |       |  |      |        |  |  |   |
| Toluene                         | ND      | 0.00100 | "    |       |  |      |        |  |  |   |
| Ethylbenzene                    | 0.00108 | 0.00100 | "    |       |  |      |        |  |  | B |
| Xylene (p/m)                    | 0.00208 | 0.00200 | "    |       |  |      |        |  |  | B |
| Xylene (o)                      | 0.00118 | 0.00100 | "    |       |  |      |        |  |  | B |
| Surrogate: 4-Bromofluorobenzene | 0.126   |         | "    | 0.120 |  | 105  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene  | 0.116   |         | "    | 0.120 |  | 96.7 | 80-120 |  |  |   |

**LCS (P2H0505-BS1)**

Prepared & Analyzed: 08/05/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0977 | 0.00100 | mg/L | 0.100 |  | 97.7 | 80-120 |  |  |  |
| Toluene                         | 0.0974 | 0.00100 | "    | 0.100 |  | 97.4 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.104  | 0.00100 | "    | 0.100 |  | 104  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.210  | 0.00200 | "    | 0.200 |  | 105  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0957 | 0.00100 | "    | 0.100 |  | 95.7 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.127  |         | "    | 0.120 |  | 106  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.5 | 80-120 |  |  |  |

**LCS Dup (P2H0505-BSD1)**

Prepared & Analyzed: 08/05/22

|                                 |        |         |      |       |  |      |        |        |    |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--------|----|--|
| Benzene                         | 0.0998 | 0.00100 | mg/L | 0.100 |  | 99.8 | 80-120 | 2.10   | 20 |  |
| Toluene                         | 0.0975 | 0.00100 | "    | 0.100 |  | 97.5 | 80-120 | 0.113  | 20 |  |
| Ethylbenzene                    | 0.103  | 0.00100 | "    | 0.100 |  | 103  | 80-120 | 1.33   | 20 |  |
| Xylene (p/m)                    | 0.211  | 0.00200 | "    | 0.200 |  | 106  | 80-120 | 0.917  | 20 |  |
| Xylene (o)                      | 0.0958 | 0.00100 | "    | 0.100 |  | 95.8 | 80-120 | 0.0418 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.128  |         | "    | 0.120 |  | 106  | 80-120 |        |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.2 | 80-120 |        |    |  |

**Calibration Blank (P2H0505-CCB1)**

Prepared & Analyzed: 08/05/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.130 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.590 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.910 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.87  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.990 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.120 |  | "    | 0.120 |  | 99.7 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.114 |  | "    | 0.120 |  | 95.3 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H0505 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2H0505-CCB2)**

Prepared & Analyzed: 08/05/22

|                                 |       |  |      |       |  |     |        |  |  |   |
|---------------------------------|-------|--|------|-------|--|-----|--------|--|--|---|
| Benzene                         | 0.170 |  | ug/l |       |  |     |        |  |  |   |
| Toluene                         | 0.300 |  | "    |       |  |     |        |  |  |   |
| Ethylbenzene                    | 0.880 |  | "    |       |  |     |        |  |  |   |
| Xylene (p/m)                    | 1.88  |  | "    |       |  |     |        |  |  |   |
| Xylene (o)                      | 1.21  |  | "    |       |  |     |        |  |  | B |
| Surrogate: 4-Bromofluorobenzene | 0.128 |  | "    | 0.120 |  | 107 | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |  | "    | 0.120 |  | 100 | 80-120 |  |  |   |

**Calibration Check (P2H0505-CCV1)**

Prepared & Analyzed: 08/05/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0982 | 0.00100 | mg/L | 0.102 |  | 96.3 | 80-120 |  |  |  |
| Toluene                         | 0.102  | 0.00100 | "    | 0.102 |  | 99.9 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.105  | 0.00100 | "    | 0.102 |  | 103  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.215  | 0.00200 | "    | 0.204 |  | 105  | 80-120 |  |  |  |
| Xylene (o)                      | 0.104  | 0.00100 | "    | 0.102 |  | 102  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.124  |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.115  |         | "    | 0.120 |  | 95.9 | 80-120 |  |  |  |

**Calibration Check (P2H0505-CCV2)**

Prepared & Analyzed: 08/05/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.101 | 0.00100 | mg/L | 0.102 |  | 99.0 | 80-120 |  |  |  |
| Toluene                         | 0.101 | 0.00100 | "    | 0.102 |  | 99.5 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.105 | 0.00100 | "    | 0.102 |  | 103  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.221 | 0.00200 | "    | 0.204 |  | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.105 | 0.00100 | "    | 0.102 |  | 103  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.124 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119 |         | "    | 0.120 |  | 99.1 | 80-120 |  |  |  |

**Calibration Check (P2H0505-CCV3)**

Prepared: 08/05/22 Analyzed: 08/06/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.102 | 0.00100 | mg/L | 0.102 |  | 100  | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.102 |  | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.110 | 0.00100 | "    | 0.102 |  | 108  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.225 | 0.00200 | "    | 0.204 |  | 111  | 80-120 |  |  |  |
| Xylene (o)                      | 0.108 | 0.00100 | "    | 0.102 |  | 106  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.133 |         | "    | 0.120 |  | 111  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118 |         | "    | 0.120 |  | 98.5 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H0505 - \*\*\* DEFAULT PREP \*\*\***

| Matrix Spike (P2H0505-MS1)      |       | Source: 2G28009-01 |      | Prepared: 08/05/22 |          | Analyzed: 08/06/22 |        |  |  |  |
|---------------------------------|-------|--------------------|------|--------------------|----------|--------------------|--------|--|--|--|
| Benzene                         | 0.119 | 0.00100            | mg/L | 0.100              | 0.00465  | 114                | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100            | "    | 0.100              | 0.00311  | 104                | 80-120 |  |  |  |
| Ethylbenzene                    | 0.100 | 0.00100            | "    | 0.100              | ND       | 100                | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.193 | 0.00200            | "    | 0.200              | 0.00157  | 95.7               | 80-120 |  |  |  |
| Xylene (o)                      | 0.110 | 0.00100            | "    | 0.100              | 0.000610 | 109                | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.133 |                    | "    | 0.120              |          | 110                | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.123 |                    | "    | 0.120              |          | 102                | 80-120 |  |  |  |

| Matrix Spike Dup (P2H0505-MSD1) |        | Source: 2G28009-01 |      | Prepared: 08/05/22 |          | Analyzed: 08/06/22 |        |       |    |       |
|---------------------------------|--------|--------------------|------|--------------------|----------|--------------------|--------|-------|----|-------|
| Benzene                         | 0.115  | 0.00100            | mg/L | 0.100              | 0.00465  | 111                | 80-120 | 3.22  | 20 |       |
| Toluene                         | 0.0977 | 0.00100            | "    | 0.100              | 0.00311  | 94.6               | 80-120 | 9.76  | 20 |       |
| Ethylbenzene                    | 0.101  | 0.00100            | "    | 0.100              | ND       | 101                | 80-120 | 0.489 | 20 |       |
| Xylene (p/m)                    | 0.193  | 0.00200            | "    | 0.200              | 0.00157  | 95.8               | 80-120 | 0.120 | 20 |       |
| Xylene (o)                      | 0.0886 | 0.00100            | "    | 0.100              | 0.000610 | 88.0               | 80-120 | 21.2  | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.131  |                    | "    | 0.120              |          | 109                | 80-120 |       |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |                    | "    | 0.120              |          | 97.1               | 80-120 |       |    |       |

**Batch P2H1510 - \*\*\* DEFAULT PREP \*\*\***

| Blank (P2H1510-BLK1)            |         |         |      | Prepared & Analyzed: 08/15/22 |  |      |        |  |  |   |
|---------------------------------|---------|---------|------|-------------------------------|--|------|--------|--|--|---|
| Benzene                         | ND      | 0.00100 | mg/L |                               |  |      |        |  |  |   |
| Toluene                         | ND      | 0.00100 | "    |                               |  |      |        |  |  |   |
| Ethylbenzene                    | ND      | 0.00100 | "    |                               |  |      |        |  |  |   |
| Xylene (p/m)                    | 0.00207 | 0.00200 | "    |                               |  |      |        |  |  | B |
| Xylene (o)                      | 0.00121 | 0.00100 | "    |                               |  |      |        |  |  | B |
| Surrogate: 4-Bromofluorobenzene | 0.124   |         | "    | 0.120                         |  | 104  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene  | 0.119   |         | "    | 0.120                         |  | 98.9 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H1510 - \*\*\* DEFAULT PREP \*\*\***

**LCS (P2H1510-BS1)**

Prepared & Analyzed: 08/15/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.108  | 0.00100 | mg/L | 0.100 |  | 108  | 80-120 |  |  |  |
| Toluene                         | 0.0999 | 0.00100 | "    | 0.100 |  | 99.9 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.106  | 0.00100 | "    | 0.100 |  | 106  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.212  | 0.00200 | "    | 0.200 |  | 106  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0958 | 0.00100 | "    | 0.100 |  | 95.8 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.126  |         | "    | 0.120 |  | 105  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.115  |         | "    | 0.120 |  | 96.2 | 80-120 |  |  |  |

**LCS Dup (P2H1510-BSD1)**

Prepared & Analyzed: 08/15/22

|                                 |        |         |      |       |  |      |        |      |    |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|--|
| Benzene                         | 0.105  | 0.00100 | mg/L | 0.100 |  | 105  | 80-120 | 2.26 | 20 |  |
| Toluene                         | 0.0970 | 0.00100 | "    | 0.100 |  | 97.0 | 80-120 | 3.01 | 20 |  |
| Ethylbenzene                    | 0.101  | 0.00100 | "    | 0.100 |  | 101  | 80-120 | 5.00 | 20 |  |
| Xylene (p/m)                    | 0.204  | 0.00200 | "    | 0.200 |  | 102  | 80-120 | 3.71 | 20 |  |
| Xylene (o)                      | 0.0939 | 0.00100 | "    | 0.100 |  | 93.9 | 80-120 | 2.02 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.127  |         | "    | 0.120 |  | 106  | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118  |         | "    | 0.120 |  | 98.2 | 80-120 |      |    |  |

**Calibration Blank (P2H1510-CCB1)**

Prepared & Analyzed: 08/15/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.150 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.300 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.960 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 2.02  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 1.16  |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.125 |  | "    | 0.120 |  | 104  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118 |  | "    | 0.120 |  | 98.1 | 80-120 |  |  |  |

**Calibration Check (P2H1510-CCV1)**

Prepared & Analyzed: 08/15/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.115 | 0.00100 | mg/L | 0.102 |  | 113  | 80-120 |  |  |  |
| Toluene                         | 0.104 | 0.00100 | "    | 0.102 |  | 102  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.105 | 0.00100 | "    | 0.102 |  | 103  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.219 | 0.00200 | "    | 0.204 |  | 107  | 80-120 |  |  |  |
| Xylene (o)                      | 0.100 | 0.00100 | "    | 0.102 |  | 98.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.124 |         | "    | 0.120 |  | 103  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.116 |         | "    | 0.120 |  | 96.6 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H1510 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Check (P2H1510-CCV2)**

Prepared & Analyzed: 08/15/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.108  | 0.00100 | mg/L | 0.102 |  | 106  | 80-120 |  |  |  |
| Toluene                         | 0.0966 | 0.00100 | "    | 0.102 |  | 94.7 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.100  | 0.00100 | "    | 0.102 |  | 98.4 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.211  | 0.00200 | "    | 0.204 |  | 103  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0950 | 0.00100 | "    | 0.102 |  | 93.1 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.125  |         | "    | 0.120 |  | 104  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.114  |         | "    | 0.120 |  | 94.9 | 80-120 |  |  |  |

**Matrix Spike (P2H1510-MS1)**

Source: 2H10005-13

Prepared & Analyzed: 08/15/22

|                                 |        |         |      |       |         |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|---------|------|--------|--|--|--|
| Benzene                         | 0.225  | 0.00100 | mg/L | 0.100 | 0.144   | 81.0 | 80-120 |  |  |  |
| Toluene                         | 0.0950 | 0.00100 | "    | 0.100 | 0.00194 | 93.0 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.111  | 0.00100 | "    | 0.100 | 0.00160 | 109  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.212  | 0.00200 | "    | 0.200 | 0.00256 | 105  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0890 | 0.00100 | "    | 0.100 | 0.00169 | 87.3 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.126  |         | "    | 0.120 |         | 105  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.114  |         | "    | 0.120 |         | 94.9 | 80-120 |  |  |  |

**Matrix Spike Dup (P2H1510-MSD1)**

Source: 2H10005-13

Prepared & Analyzed: 08/15/22

|                                 |       |         |      |       |         |      |        |      |    |       |
|---------------------------------|-------|---------|------|-------|---------|------|--------|------|----|-------|
| Benzene                         | 0.219 | 0.00100 | mg/L | 0.100 | 0.144   | 74.9 | 80-120 | 7.83 | 20 | QM-05 |
| Toluene                         | 0.100 | 0.00100 | "    | 0.100 | 0.00194 | 98.4 | 80-120 | 5.58 | 20 |       |
| Ethylbenzene                    | 0.116 | 0.00100 | "    | 0.100 | 0.00160 | 115  | 80-120 | 4.89 | 20 |       |
| Xylene (p/m)                    | 0.206 | 0.00200 | "    | 0.200 | 0.00256 | 102  | 80-120 | 2.91 | 20 |       |
| Xylene (o)                      | 0.106 | 0.00100 | "    | 0.100 | 0.00169 | 104  | 80-120 | 17.8 | 20 |       |
| Surrogate: 4-Bromofluorobenzene | 0.124 |         | "    | 0.120 |         | 104  | 80-120 |      |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.112 |         | "    | 0.120 |         | 93.3 | 80-120 |      |    |       |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H0412 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2H0412-BLK1)**

Prepared & Analyzed: 08/04/22

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

**LCS (P2H0412-BS1)**

Prepared & Analyzed: 08/04/22

|              |      |  |      |      |  |      |        |  |  |  |
|--------------|------|--|------|------|--|------|--------|--|--|--|
| Nitrate as N | 3.81 |  | mg/L | 4.00 |  | 95.4 | 90-110 |  |  |  |
| Sulfate      | 39.8 |  | "    | 40.0 |  | 99.5 | 90-110 |  |  |  |

**LCS Dup (P2H0412-BSD1)**

Prepared & Analyzed: 08/04/22

|              |      |  |      |      |  |      |        |       |    |  |
|--------------|------|--|------|------|--|------|--------|-------|----|--|
| Nitrate as N | 3.81 |  | mg/L | 4.00 |  | 95.2 | 90-110 | 0.105 | 10 |  |
| Sulfate      | 39.7 |  | "    | 40.0 |  | 99.2 | 90-110 | 0.372 | 10 |  |

**Calibration Blank (P2H0412-CCB1)**

Prepared & Analyzed: 08/04/22

|              |       |  |      |  |  |  |  |  |  |  |
|--------------|-------|--|------|--|--|--|--|--|--|--|
| Sulfate      | 0.230 |  | mg/L |  |  |  |  |  |  |  |
| Nitrate as N | 0.00  |  | "    |  |  |  |  |  |  |  |

**Calibration Check (P2H0412-CCV1)**

Prepared & Analyzed: 08/04/22

|              |      |  |      |      |  |     |        |  |  |  |
|--------------|------|--|------|------|--|-----|--------|--|--|--|
| Sulfate      | 20.6 |  | mg/L | 20.0 |  | 103 | 90-110 |  |  |  |
| Nitrate as N | 2.07 |  | "    | 2.00 |  | 103 | 90-110 |  |  |  |

**Calibration Check (P2H0412-CCV2)**

Prepared & Analyzed: 08/04/22

|              |      |  |      |      |  |     |        |  |  |  |
|--------------|------|--|------|------|--|-----|--------|--|--|--|
| Sulfate      | 20.8 |  | mg/L | 20.0 |  | 104 | 90-110 |  |  |  |
| Nitrate as N | 2.01 |  | "    | 2.00 |  | 100 | 90-110 |  |  |  |

**Matrix Spike (P2H0412-MS1)**

Source: 2H04002-01

Prepared: 08/04/22 Analyzed: 08/05/22

|              |       |       |      |       |       |     |        |  |  |  |
|--------------|-------|-------|------|-------|-------|-----|--------|--|--|--|
| Sulfate      | 258   | 10.0  | mg/L | 2.00  | 207   | NR  | 80-120 |  |  |  |
| Nitrate as N | 0.459 | 0.200 | "    | 0.200 | 0.257 | 101 | 80-120 |  |  |  |

**Matrix Spike Dup (P2H0412-MSD1)**

Source: 2H04002-01

Prepared & Analyzed: 08/04/22

|              |       |       |      |       |       |      |        |       |    |  |
|--------------|-------|-------|------|-------|-------|------|--------|-------|----|--|
| Nitrate as N | 0.456 | 0.200 | mg/L | 0.200 | 0.257 | 99.5 | 80-120 | 0.656 | 20 |  |
| Sulfate      | 258   | 10.0  | "    | 2.00  | 207   | NR   | 80-120 | 0.221 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H1001 - \*\*\* DEFAULT PREP \*\*\***

|                                   |      |                           |      |                               |      |      |        |       |    |  |
|-----------------------------------|------|---------------------------|------|-------------------------------|------|------|--------|-------|----|--|
| <b>Blank (P2H1001-BLK1)</b>       |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | ND   | 10.0                      | mg/L |                               |      |      |        |       |    |  |
| <b>Blank (P2H1001-BLK2)</b>       |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | ND   | 10.0                      | mg/L |                               |      |      |        |       |    |  |
| <b>LCS (P2H1001-BS1)</b>          |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 93.0 | 10.0                      | mg/L | 100                           |      | 93.0 | 80-120 |       |    |  |
| <b>LCS (P2H1001-BS2)</b>          |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 1080 | 10.0                      | mg/L | 1000                          |      | 108  | 80-120 |       |    |  |
| <b>LCS Dup (P2H1001-BSD1)</b>     |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 102  | 10.0                      | mg/L | 100                           |      | 102  | 80-120 | 9.23  | 20 |  |
| <b>LCS Dup (P2H1001-BSD2)</b>     |      |                           |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 1110 | 10.0                      | mg/L | 1000                          |      | 111  | 80-120 | 3.29  | 20 |  |
| <b>Duplicate (P2H1001-DUP1)</b>   |      | <b>Source: 2H08001-01</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 37.0 | 10.0                      | mg/L |                               | 37.0 |      |        | 0.00  | 20 |  |
| <b>Duplicate (P2H1001-DUP2)</b>   |      | <b>Source: 2H04002-02</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 129  | 10.0                      | mg/L |                               | 128  |      |        | 0.778 | 20 |  |
| <b>Duplicate (P2H1001-DUP3)</b>   |      | <b>Source: 2H02002-01</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | ND   | 10.0                      | mg/L |                               | 41.0 |      |        |       | 20 |  |
| <b>Matrix Spike (P2H1001-MS1)</b> |      | <b>Source: 2H08001-01</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |       |    |  |
| Chemical Oxygen Demand            | 140  | 10.0                      | mg/L | 100                           | 37.0 | 103  | 80-120 |       |    |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H1001 - \*\*\* DEFAULT PREP \*\*\***

|                                        |      |                           |      |                               |      |      |        |      |    |    |
|----------------------------------------|------|---------------------------|------|-------------------------------|------|------|--------|------|----|----|
| <b>Matrix Spike (P2H1001-MS2)</b>      |      | <b>Source: 2H04002-02</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |      |    |    |
| Chemical Oxygen Demand                 | 1040 | 10.0                      | mg/L | 1000                          | 128  | 91.4 | 80-120 |      |    |    |
| <b>Matrix Spike Dup (P2H1001-MSD1)</b> |      | <b>Source: 2H08001-01</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |      |    |    |
| Chemical Oxygen Demand                 | 199  | 10.0                      | mg/L | 200                           | 37.0 | 81.0 | 80-120 | 34.8 | 20 | R3 |
| <b>Matrix Spike Dup (P2H1001-MSD2)</b> |      | <b>Source: 2H04002-02</b> |      | Prepared & Analyzed: 08/10/22 |      |      |        |      |    |    |
| Chemical Oxygen Demand                 | 1040 | 10.0                      | mg/L | 1000                          | 128  | 91.4 | 80-120 | 0.00 | 20 |    |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte                                     | Result   | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                                  | %REC<br>Limits | RPD   | RPD<br>Limit | Notes |
|---------------------------------------------|----------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|----------------|-------|--------------|-------|
| <b>Batch P2H0910 - *** DEFAULT PREP ***</b> |          |                    |       |                                       |                  |                                       |                |       |              |       |
| <b>Blank (P2H0910-BLK1)</b>                 |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | ND       | 0.200              | mg/L  |                                       |                  |                                       |                |       |              | QAL1  |
| Manganese                                   | ND       | 0.100              | "     |                                       |                  |                                       |                |       |              | QAL1  |
| <b>LCS (P2H0910-BS1)</b>                    |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | 0.421    | 0.200              | mg/L  | 0.400                                 |                  | 105                                   | 80-120         |       |              | QAL1  |
| Manganese                                   | 0.217    | 0.100              | "     | 0.200                                 |                  | 109                                   | 80-120         |       |              | QAL1  |
| <b>LCS Dup (P2H0910-BSD1)</b>               |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | 0.422    | 0.200              | mg/L  | 0.400                                 |                  | 106                                   | 80-120         | 0.393 | 20           | QAL1  |
| Manganese                                   | 0.214    | 0.100              | "     | 0.200                                 |                  | 107                                   | 80-120         | 1.42  | 20           | QAL1  |
| <b>Calibration Blank (P2H0910-CCB1)</b>     |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | -0.00510 |                    | mg/L  |                                       |                  |                                       |                |       |              | QAL1  |
| Manganese                                   | -0.00475 |                    | "     |                                       |                  |                                       |                |       |              | QAL1  |
| <b>Calibration Blank (P2H0910-CCB2)</b>     |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | 0.00254  |                    | mg/L  |                                       |                  |                                       |                |       |              | QAL1  |
| Manganese                                   | -0.00494 |                    | "     |                                       |                  |                                       |                |       |              | QAL1  |
| <b>Calibration Check (P2H0910-CCV1)</b>     |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Iron                                        | 0.418    | 0.200              | mg/L  | 0.400                                 |                  | 105                                   | 80-120         |       |              | QAL1  |
| Manganese                                   | 0.213    | 0.100              | "     | 0.200                                 |                  | 107                                   | 80-120         |       |              | QAL1  |
| <b>Calibration Check (P2H0910-CCV2)</b>     |          |                    |       | Prepared: 08/09/22 Analyzed: 08/10/22 |                  |                                       |                |       |              |       |
| Manganese                                   | 0.228    | 0.100              | mg/L  | 0.200                                 |                  | 114                                   | 80-120         |       |              | QAL1  |
| Iron                                        | 0.428    | 0.200              | "     | 0.400                                 |                  | 107                                   | 80-120         |       |              | QAL1  |
| <b>Matrix Spike (P2H0910-MS1)</b>           |          |                    |       | <b>Source: 2H04002-01</b>             |                  | Prepared: 08/09/22 Analyzed: 08/10/22 |                |       |              |       |
| Iron                                        | 0.959    | 0.200              | mg/L  | 0.400                                 | 0.519            | 110                                   | 75-125         |       |              | QAL1  |
| Manganese                                   | 0.287    | 0.100              | "     | 0.200                                 | 0.0611           | 113                                   | 75-125         |       |              | QAL1  |

Permian Basin Environmental Lab, L.P.

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

|                               |                                |
|-------------------------------|--------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11_MNA            |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS-11 MNA |
| Midland TX, 79705             | Project Manager: Curt Stanley  |

Dissolved Metals by EPA / Standard Methods - Quality Control  
Permian Basin Environmental Lab, L.P.

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

Batch P2H0910 - \*\*\* DEFAULT PREP \*\*\*

|                                 |                    |       |      |                                       |        |     |        |      |    |      |
|---------------------------------|--------------------|-------|------|---------------------------------------|--------|-----|--------|------|----|------|
| Matrix Spike Dup (P2H0910-MSD1) | Source: 2H04002-01 |       |      | Prepared: 08/09/22 Analyzed: 08/10/22 |        |     |        |      |    |      |
| Iron                            | 0.943              | 0.200 | mg/L | 0.400                                 | 0.519  | 106 | 75-125 | 1.63 | 20 | QAL1 |
| Manganese                       | 0.278              | 0.100 | "    | 0.200                                 | 0.0611 | 108 | 75-125 | 3.15 | 20 | QAL1 |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

### Notes and Definitions

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

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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

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

NPBEL C Chain of Custody was not generated at PBELAB

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

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/22/2022

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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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**PBELAB****CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

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

Page 1 of 1

Phone: 432-661-4184

Project Manager: Curt Stan'leyCompany Name: TRC Environmental CorporationCompany Address: 10 Desta Drive, Ste 130ECity/State/Zip: Midland, TX 79705Telephone No: 432.520.7720 Fax No: \_\_\_\_\_

Sampler Signature: \_\_\_\_\_ e-mail: \_\_\_\_\_

Project Name: SPS-11Project #: TNM SPS-11Project Loc: Lea County, New Mexico

PO #: \_\_\_\_\_

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 2H04002

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO <sub>3</sub> | HCl | H <sub>2</sub> SO <sub>4</sub> | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None | Other (Specify) | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | TOC SM 5310 | Dissolved Metals (Fe and Mn) by SW 6010 | Dissolved Methane, Ethane, and Ethene by RSK-175 | Nitrate and Sulfate by E300 | COD by 5310 | Total BTEX by 8260 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
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| Relinquished by: <u>Manny</u> | Date: <u>8/4/22</u> | Time: <u>9:30</u> | Received by:                    | Date:               | Time:             | <b>Laboratory Comments:</b><br>Sample Containers Intact? <u>Y</u> <u>N</u><br>VOCs Free of Headspace? <u>Y</u> <u>N</u><br>Labels on container(s) <u>Y</u> <u>N</u><br>Custody seals on container(s) <u>Y</u> <u>N</u><br>Custody seals on cooler(s) <u>Y</u> <u>N</u><br>Sample Hand Delivered by Sampler/Client Rep. ? <u>Y</u> <u>N</u><br>by Courier? <u>Y</u> <u>N</u><br>Temperature Upon Receipt: <u>6.5</u> °C<br>Adjusted: <u>5.0</u> °C Factor |
| Relinquished by:              | Date:               | Time:             | Received by:                    | Date:               | Time:             |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Relinquished by:              | Date:               | Time:             | Received by:                    | Date:               | Time:             |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Relinquished by:              | Date:               | Time:             | Received by: <u>Ona Bladner</u> | Date: <u>8/4/22</u> | Time: <u>9:30</u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



**PBELAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235  
PBELAB\_SUB\_COC\_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard☐ TRRP☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

(lab use only)

ORDER #:

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | ICE | HNO <sub>3</sub> 250 poly 1 | HCl 3 40mL VOA | H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY | NaOH /Ascorbic Acid 250ML P | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | NONE 250ML POLY | NONE 3 AMBER VOAA VIALS | DW=Drinking Water SL=Sludge<br>GW = Groundwater SS=Soil/Solid<br>NP=Non-Potable Specify Other | TOX-9023 | METALS RCRA 11 TOTAL ICPMS/7471 | 8270C PAH-LL | RSK-175 Methane,Ethane,Ethene | 8270 TOTAL SEMIVOLATILE | TOC -415.1 | PHENOLICS | 8270C SEMIVOLATILE | 8260 COMPLETE LIST_als | 8260B TCLP BENZENE | CYANIDE,TOTAL 4500 CN,C,E | AMMONIA AS N | BOD-SM5210B-2011 | 72 HOUR RUSH | STANDARD |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|-----------------------------|----------------|----------------------------------------------------|-----------------------------|-----------------------------------------------|-----------------|-------------------------|-----------------------------------------------------------------------------------------------|----------|---------------------------------|--------------|-------------------------------|-------------------------|------------|-----------|--------------------|------------------------|--------------------|---------------------------|--------------|------------------|--------------|----------|
|                      |            |                 |              |              |              |                |                        |     |                             |                |                                                    |                             |                                               |                 |                         |                                                                                               |          |                                 |              |                               |                         |            |           |                    |                        |                    |                           |              |                  |              |          |
|                      | 2H04002-01 |                 |              | 8/3/2022     | 10:39        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |
|                      | 2H04002-02 |                 |              | 8/3/2022     | 11:57        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |
|                      | 2H04002-03 |                 |              | 8/3/2022     | 12:13        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |
|                      | 2H04002-04 |                 |              | 8/3/2022     | 12:54        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |
|                      | 2H04002-05 |                 |              | 8/3/2022     | 13:49        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |
|                      | 2H04002-06 |                 |              | 8/3/2022     | 14:39        |                | 4                      | X   |                             | X              | X                                                  |                             |                                               |                 |                         | W                                                                                             |          |                                 |              | X                             | X                       |            |           |                    |                        |                    |                           |              |                  |              | X        |

## SPECIAL INSTRUCTIONS:

|                                  |      |      |              |      |      |
|----------------------------------|------|------|--------------|------|------|
| Relinquished by:<br>Brent Barron | Date | Time | Received by: | Date | Time |
| Relinquished by:                 | Date | Time | Received by: | Date | Time |
| Relinquished by:                 | Date | Time | Received by: | Date | Time |

## Laboratory Comments:

|                               |       |           |
|-------------------------------|-------|-----------|
| Sample Containers Intact?     | Y     | N         |
| VOCs Free of Headspace?       | Y     | N         |
| Labels on container(s)        | Y     | N         |
| Custody seals on container(s) | Y     | N         |
| Custody seals on cooler(s)    | Y     | N         |
| Sample Hand Delivered         | Y     | N         |
| by Sampler/Client Rep. ?      | Y     | N         |
| by Courier?                   | UPS   | DHL       |
|                               | FedEx | Lone Star |
| Temperature Upon Receipt:     |       |           |
| Received:                     | °C    |           |
| Adjusted:                     | °C    | Factor    |

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11  
Project Number: TNM SPS -11  
Location: Lea County, NM  
Lab Order Number: 2H03011



**Current Certification**

Report Date: 08/05/22

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW12      | 2H03011-01    | Water  | 08/02/22 11:20 | 08-03-2022 08:47 |
| MW15      | 2H03011-02    | Water  | 08/02/22 11:49 | 08-03-2022 08:47 |
| MW33      | 2H03011-03    | Water  | 08/02/22 12:20 | 08-03-2022 08:47 |
| MW34      | 2H03011-04    | Water  | 08/02/22 12:43 | 08-03-2022 08:47 |
| MW36      | 2H03011-05    | Water  | 08/02/22 13:09 | 08-03-2022 08:47 |
| MW37      | 2H03011-06    | Water  | 08/02/22 13:35 | 08-03-2022 08:47 |
| MW38      | 2H03011-07    | Water  | 08/02/22 14:00 | 08-03-2022 08:47 |
| MW39      | 2H03011-08    | Water  | 08/02/22 14:32 | 08-03-2022 08:47 |
| MW40      | 2H03011-09    | Water  | 08/02/22 15:00 | 08-03-2022 08:47 |
| MW17      | 2H03011-10    | Water  | 08/02/22 15:24 | 08-03-2022 08:47 |
| MW10      | 2H03011-11    | Water  | 08/02/22 15:40 | 08-03-2022 08:47 |
| MW6       | 2H03011-12    | Water  | 08/02/22 16:14 | 08-03-2022 08:47 |
| MW28      | 2H03011-13    | Water  | 08/02/22 16:34 | 08-03-2022 08:47 |
| MW26      | 2H03011-14    | Water  | 08/02/22 16:51 | 08-03-2022 08:47 |
| MW1       | 2H03011-15    | Water  | 08/02/22 17:17 | 08-03-2022 08:47 |

Ethylbenzene, m/p Xylenes and O-Xylene were detected in the method blank at the minimum reporting level (MRL) for these compounds. All associated samples that were non-detect did not have any of these compounds above the Method Detection limit (MDL) and all samples that had detects were well above the MRL. Therefore the data are reported as analyzed.



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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW12**  
**2H03011-01 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 114 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 91.6 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 19:50 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW15**  
**2H03011-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |               |         |        |   |         |                |                |           |   |
|---------------------------------|---------------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND            | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B |   |
| <b>Toluene</b>                  | <b>0.0606</b> | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B |   |
| Ethylbenzene                    | ND            | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B | B |
| Xylene (p/m)                    | ND            | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B | B |
| Xylene (o)                      | ND            | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 120 %         |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 95.1 %        |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:12 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW33**  
**2H03011-03 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 120 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 96.9 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:33 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW34****2H03011-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 94.3 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 20:54 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW36**  
**2H03011-05 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |       |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|-------|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B |       |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B |       |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B | B     |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B | B     |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B | B     |
| Surrogate: 4-Bromofluorobenzene | 122 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | EPA 8021B | S-GC1 |
| Surrogate: 1,4-Difluorobenzene  | 97.1 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 21:16 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW37****2H03011-06 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 93.2 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 22:19 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW38**  
**2H03011-07 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 113 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 90.8 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 22:40 | EPA 8021B |   |

Permian Basin Environmental Lab, L.P.

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

|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW39  
2H03011-08 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Organics by GC                  |        |         |        |   |         |                |                |           |   |
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 96.8 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:02 | EPA 8021B |   |

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW40**  
**2H03011-09 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 119 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 96.0 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:23 | EPA 8021B |   |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW17**  
**2H03011-10 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 96.5 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/03/22 23:44 | EPA 8021B |   |

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TRC Solutions- Midland, Texas  
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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW10**  
**2H03011-11 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 113 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 95.4 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:05 | EPA 8021B |   |

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10 Desta Dr STE 150E  
Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW6****2H03011-12 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 117 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 97.5 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:26 | EPA 8021B |   |

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW28**  
**2H03011-13 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |   |         |                |                |           |   |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|---|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B |   |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B |   |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B | B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B | B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %  |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 94.6 % |         | 80-120 |   | P2H0308 | 08/03/22 14:59 | 08/04/22 00:47 | EPA 8021B |   |

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|                               |                               |
|-------------------------------|-------------------------------|
| TRC Solutions- Midland, Texas | Project: SPS-11               |
| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW26  
2H03011-14 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |         |         |      |   |         |                |                |           |   |
|---------------------------------|---------|---------|------|---|---------|----------------|----------------|-----------|---|
| Organics by GC                  |         |         |      |   |         |                |                |           |   |
| Benzene                         | 0.00529 | 0.00100 | mg/L | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B |   |
| Toluene                         | 0.0115  | 0.00100 | mg/L | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B |   |
| Ethylbenzene                    | 0.00730 | 0.00100 | mg/L | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B | B |
| Xylene (p/m)                    | 0.00503 | 0.00200 | mg/L | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B | B |
| Xylene (o)                      | 0.00291 | 0.00100 | mg/L | 1 | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B | B |
| Surrogate: 4-Bromofluorobenzene | 116 %   | 80-120  |      |   | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B |   |
| Surrogate: 1,4-Difluorobenzene  | 94.2 %  | 80-120  |      |   | P2H0308 | 08/03/22 14:59 | 08/04/22 01:08 | EPA 8021B |   |

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TRC Solutions- Midland, Texas  
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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW1****2H03011-15 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |               |        |      |    |         |                |                |           |       |
|---------------------------------|---------------|--------|------|----|---------|----------------|----------------|-----------|-------|
| <b>Benzene</b>                  | <b>3.59</b>   | 0.0100 | mg/L | 10 | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B |       |
| <b>Toluene</b>                  | <b>0.0292</b> | 0.0100 | mg/L | 10 | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B |       |
| <b>Ethylbenzene</b>             | <b>0.131</b>  | 0.0100 | mg/L | 10 | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B | B     |
| <b>Xylene (p/m)</b>             | <b>0.0622</b> | 0.0200 | mg/L | 10 | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B | B     |
| <b>Xylene (o)</b>               | <b>0.0183</b> | 0.0100 | mg/L | 10 | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B | B     |
| Surrogate: 4-Bromofluorobenzene | 126 %         | 80-120 |      |    | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B | S-GCI |
| Surrogate: 1,4-Difluorobenzene  | 93.6 %        | 80-120 |      |    | P2H0308 | 08/03/22 14:59 | 08/04/22 12:38 | EPA 8021B |       |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

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

**Batch P2H0308 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2H0308-BLK1)**

Prepared & Analyzed: 08/03/22

|                                 |         |         |      |       |  |      |        |  |  |       |
|---------------------------------|---------|---------|------|-------|--|------|--------|--|--|-------|
| Benzene                         | ND      | 0.00100 | mg/L |       |  |      |        |  |  |       |
| Toluene                         | ND      | 0.00100 | "    |       |  |      |        |  |  |       |
| Ethylbenzene                    | 0.00113 | 0.00100 | "    |       |  |      |        |  |  | B     |
| Xylene (p/m)                    | 0.00243 | 0.00200 | "    |       |  |      |        |  |  | B     |
| Xylene (o)                      | 0.00129 | 0.00100 | "    |       |  |      |        |  |  | B     |
| Surrogate: 4-Bromofluorobenzene | 0.145   |         | "    | 0.120 |  | 121  | 80-120 |  |  | S-GCI |
| Surrogate: 1,4-Difluorobenzene  | 0.114   |         | "    | 0.120 |  | 95.1 | 80-120 |  |  |       |

**LCS (P2H0308-BS1)**

Prepared & Analyzed: 08/03/22

|                                 |        |         |      |       |  |      |        |  |  |   |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|---|
| Benzene                         | 0.0928 | 0.00100 | mg/L | 0.100 |  | 92.8 | 80-120 |  |  |   |
| Toluene                         | 0.107  | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |   |
| Ethylbenzene                    | 0.112  | 0.00100 | "    | 0.100 |  | 112  | 80-120 |  |  | B |
| Xylene (p/m)                    | 0.223  | 0.00200 | "    | 0.200 |  | 111  | 80-120 |  |  | B |
| Xylene (o)                      | 0.107  | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  | B |
| Surrogate: 4-Bromofluorobenzene | 0.129  |         | "    | 0.120 |  | 108  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene  | 0.108  |         | "    | 0.120 |  | 89.8 | 80-120 |  |  |   |

**LCS Dup (P2H0308-BSD1)**

Prepared & Analyzed: 08/03/22

|                                 |        |         |      |       |  |      |        |      |    |   |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|---|
| Benzene                         | 0.0991 | 0.00100 | mg/L | 0.100 |  | 99.1 | 80-120 | 6.64 | 20 |   |
| Toluene                         | 0.114  | 0.00100 | "    | 0.100 |  | 114  | 80-120 | 6.88 | 20 |   |
| Ethylbenzene                    | 0.119  | 0.00100 | "    | 0.100 |  | 119  | 80-120 | 5.53 | 20 | B |
| Xylene (p/m)                    | 0.237  | 0.00200 | "    | 0.200 |  | 118  | 80-120 | 6.08 | 20 | B |
| Xylene (o)                      | 0.112  | 0.00100 | "    | 0.100 |  | 112  | 80-120 | 4.48 | 20 | B |
| Surrogate: 4-Bromofluorobenzene | 0.131  |         | "    | 0.120 |  | 109  | 80-120 |      |    |   |
| Surrogate: 1,4-Difluorobenzene  | 0.113  |         | "    | 0.120 |  | 94.5 | 80-120 |      |    |   |

**Calibration Blank (P2H0308-CCB1)**

Prepared & Analyzed: 08/03/22

|                                 |       |  |      |       |  |      |        |  |  |   |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|---|
| Benzene                         | 0.00  |  | ug/l |       |  |      |        |  |  |   |
| Toluene                         | 0.320 |  | "    |       |  |      |        |  |  |   |
| Ethylbenzene                    | 1.10  |  | "    |       |  |      |        |  |  | B |
| Xylene (p/m)                    | 2.22  |  | "    |       |  |      |        |  |  | B |
| Xylene (o)                      | 1.38  |  | "    |       |  |      |        |  |  | B |
| Surrogate: 4-Bromofluorobenzene | 0.132 |  | "    | 0.120 |  | 110  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene  | 0.106 |  | "    | 0.120 |  | 88.5 | 80-120 |  |  |   |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H0308 - \*\*\* DEFAULT PREP \*\*\***

| Calibration Blank (P2H0308-CCB2) |       |  |      | Prepared & Analyzed: 08/03/22 |  |      |        |  |  |   |
|----------------------------------|-------|--|------|-------------------------------|--|------|--------|--|--|---|
| Benzene                          | 0.00  |  | ug/l |                               |  |      |        |  |  |   |
| Toluene                          | 0.00  |  | "    |                               |  |      |        |  |  |   |
| Ethylbenzene                     | 1.02  |  | "    |                               |  |      |        |  |  | B |
| Xylene (p/m)                     | 2.16  |  | "    |                               |  |      |        |  |  | B |
| Xylene (o)                       | 1.20  |  | "    |                               |  |      |        |  |  | B |
| Surrogate: 4-Bromofluorobenzene  | 0.137 |  | "    | 0.120                         |  | 114  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene   | 0.115 |  | "    | 0.120                         |  | 95.7 | 80-120 |  |  |   |

| Calibration Check (P2H0308-CCV1) |        |         |      | Prepared & Analyzed: 08/03/22 |  |      |        |  |  |   |
|----------------------------------|--------|---------|------|-------------------------------|--|------|--------|--|--|---|
| Benzene                          | 0.0998 | 0.00100 | mg/L | 0.102                         |  | 97.8 | 80-120 |  |  |   |
| Toluene                          | 0.116  | 0.00100 | "    | 0.102                         |  | 114  | 80-120 |  |  |   |
| Ethylbenzene                     | 0.120  | 0.00100 | "    | 0.102                         |  | 118  | 80-120 |  |  | B |
| Xylene (p/m)                     | 0.236  | 0.00200 | "    | 0.204                         |  | 115  | 80-120 |  |  | B |
| Xylene (o)                       | 0.115  | 0.00100 | "    | 0.102                         |  | 113  | 80-120 |  |  | B |
| Surrogate: 4-Bromofluorobenzene  | 0.123  |         | "    | 0.120                         |  | 102  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene   | 0.101  |         | "    | 0.120                         |  | 84.1 | 80-120 |  |  |   |

| Calibration Check (P2H0308-CCV2) |       |         |      | Prepared & Analyzed: 08/03/22 |  |      |        |  |  |   |
|----------------------------------|-------|---------|------|-------------------------------|--|------|--------|--|--|---|
| Benzene                          | 0.101 | 0.00100 | mg/L | 0.102                         |  | 98.7 | 80-120 |  |  |   |
| Toluene                          | 0.114 | 0.00100 | "    | 0.102                         |  | 111  | 80-120 |  |  |   |
| Ethylbenzene                     | 0.119 | 0.00100 | "    | 0.102                         |  | 117  | 80-120 |  |  | B |
| Xylene (p/m)                     | 0.237 | 0.00200 | "    | 0.204                         |  | 116  | 80-120 |  |  | B |
| Xylene (o)                       | 0.119 | 0.00100 | "    | 0.102                         |  | 116  | 80-120 |  |  | B |
| Surrogate: 4-Bromofluorobenzene  | 0.139 |         | "    | 0.120                         |  | 116  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene   | 0.109 |         | "    | 0.120                         |  | 90.8 | 80-120 |  |  |   |

| Calibration Check (P2H0308-CCV3) |       |         |      | Prepared: 08/03/22 Analyzed: 08/04/22 |  |      |        |  |  |   |
|----------------------------------|-------|---------|------|---------------------------------------|--|------|--------|--|--|---|
| Benzene                          | 0.110 | 0.00100 | mg/L | 0.102                                 |  | 108  | 80-120 |  |  |   |
| Toluene                          | 0.119 | 0.00100 | "    | 0.102                                 |  | 117  | 80-120 |  |  |   |
| Ethylbenzene                     | 0.120 | 0.00100 | "    | 0.102                                 |  | 117  | 80-120 |  |  | B |
| Xylene (p/m)                     | 0.237 | 0.00200 | "    | 0.204                                 |  | 116  | 80-120 |  |  | B |
| Xylene (o)                       | 0.119 | 0.00100 | "    | 0.102                                 |  | 117  | 80-120 |  |  | B |
| Surrogate: 4-Bromofluorobenzene  | 0.135 |         | "    | 0.120                                 |  | 113  | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene   | 0.112 |         | "    | 0.120                                 |  | 93.1 | 80-120 |  |  |   |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2H0308 - \*\*\* DEFAULT PREP \*\*\***

| <b>Matrix Spike (P2H0308-MS1)</b> |       | <b>Source: 2G29011-01</b> |      | <b>Prepared: 08/03/22</b> |    | <b>Analyzed: 08/04/22</b> |        |  |  |   |
|-----------------------------------|-------|---------------------------|------|---------------------------|----|---------------------------|--------|--|--|---|
| Benzene                           | 0.109 | 0.00100                   | mg/L | 0.100                     | ND | 109                       | 80-120 |  |  |   |
| Toluene                           | 0.120 | 0.00100                   | "    | 0.100                     | ND | 120                       | 80-120 |  |  |   |
| Ethylbenzene                      | 0.120 | 0.00100                   | "    | 0.100                     | ND | 120                       | 80-120 |  |  | B |
| Xylene (p/m)                      | 0.236 | 0.00200                   | "    | 0.200                     | ND | 118                       | 80-120 |  |  | B |
| Xylene (o)                        | 0.117 | 0.00100                   | "    | 0.100                     | ND | 117                       | 80-120 |  |  | B |
| Surrogate: 4-Bromofluorobenzene   | 0.135 |                           | "    | 0.120                     |    | 113                       | 80-120 |  |  |   |
| Surrogate: 1,4-Difluorobenzene    | 0.110 |                           | "    | 0.120                     |    | 91.5                      | 80-120 |  |  |   |

| <b>Matrix Spike Dup (P2H0308-MSD1)</b> |       | <b>Source: 2G29011-01</b> |      | <b>Prepared: 08/03/22</b> |    | <b>Analyzed: 08/04/22</b> |        |        |    |   |
|----------------------------------------|-------|---------------------------|------|---------------------------|----|---------------------------|--------|--------|----|---|
| Benzene                                | 0.112 | 0.00100                   | mg/L | 0.100                     | ND | 112                       | 80-120 | 3.28   | 20 |   |
| Toluene                                | 0.120 | 0.00100                   | "    | 0.100                     | ND | 120                       | 80-120 | 0.0584 | 20 |   |
| Ethylbenzene                           | 0.119 | 0.00100                   | "    | 0.100                     | ND | 119                       | 80-120 | 0.510  | 20 | B |
| Xylene (p/m)                           | 0.239 | 0.00200                   | "    | 0.200                     | ND | 120                       | 80-120 | 1.29   | 20 | B |
| Xylene (o)                             | 0.119 | 0.00100                   | "    | 0.100                     | ND | 119                       | 80-120 | 1.53   | 20 | B |
| Surrogate: 4-Bromofluorobenzene        | 0.139 |                           | "    | 0.120                     |    | 115                       | 80-120 |        |    |   |
| Surrogate: 1,4-Difluorobenzene         | 0.116 |                           | "    | 0.120                     |    | 96.9                      | 80-120 |        |    |   |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

### Notes and Definitions

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

ROI Received on Ice

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

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/5/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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**PBELLAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

CH: \_\_\_\_\_ W: \_\_\_\_\_  
Phone: 432-686-7235

Page 23 of 23

Project Manager:

Curt Stanley

Project Name:

SPS-11

Project #:

Company Address:

10 Dests Dr

Project Loc:

City/State/Zip:

Midland TX 79705

PO #:

Telephone No:

432-520-7720

Fax No:

Report Format:

☒ Standard☐ TRRP☐ NPDES

Sampler Signature:

*Handwritten Signature*

e-mail:

ORDER #: 2403011

(lab use only)

Analyze For:

Preservation &amp; # of Containers

Matrix

TCLP:

TOTAL:

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO<sub>3</sub>

HCl

H<sub>2</sub>SO<sub>4</sub>

NaOH

Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>

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, SO<sub>4</sub>, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 h

Standard TAT

## Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

## Laboratory Comments:

Sample Containers Intact?

VOOCs 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:

°C Factor:

UPS

DHL

FedEx

Lone Star

PBEL\_COC\_2021\_1

Revision #: 2021\_1

Effective Date: 9-21-21

Page: 21

2 of 2

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Location: Lea County, New Mexico  
  
Lab Order Number: 2J28003



**Current Certification**

Report Date: 11/16/22

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW- 35    | 2J28003-01    | Water  | 10/27/22 10:53 | 10-28-2022 09:45 |
| MW- 14    | 2J28003-02    | Water  | 10/27/22 11:35 | 10-28-2022 09:45 |
| MW- 32    | 2J28003-03    | Water  | 10/27/22 12:11 | 10-28-2022 09:45 |
| MW- 9     | 2J28003-04    | Water  | 10/27/22 13:28 | 10-28-2022 09:45 |
| MW- 4     | 2J28003-05    | Water  | 10/27/22 14:23 | 10-28-2022 09:45 |
| MW- 11    | 2J28003-06    | Water  | 10/27/22 15:13 | 10-28-2022 09:45 |
| MW-1      | 2J28003-07    | Water  | 10/27/22 16:47 | 10-28-2022 09:45 |

Quality control data for Nitrate was slightly below the acceptable limit. These results were confirmed by re-analysis and the sample data results were within the acceptable limit compared to the original results.

Low Level PAHs, Dissolved gases and TOC analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

[https://www.tceq.texas.gov/assets/public/compliance/compliance\\_support/qa/labs/als\\_svcs\\_houston.pdf](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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 35**  
**2J28003-01 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |          |        |   |         |                |                |           |        |
|---------------------------------|--------|----------|--------|---|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND     | 0.00100  | mg/L   | 1 | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Toluene                         | ND     | 0.00100  | mg/L   | 1 | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Ethylbenzene                    | ND     | 0.00100  | mg/L   | 1 | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Xylene (p/m)                    | ND     | 0.00200  | mg/L   | 1 | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Xylene (o)                      | ND     | 0.00100  | mg/L   | 1 | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 95.9 % |          | 80-120 |   | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 92.3 % |          | 80-120 |   | P2J2810 | 10/28/22 15:40 | 10/29/22 00:40 | EPA 8021B |        |
| Ethane                          | ND     | 0.00100  | mg/L   | 1 | P2K1410 | 11/04/22 11:09 | 11/04/22 11:09 | 8015M     | SUB-13 |
| Ethene                          | ND     | 0.00100  | mg/L   | 1 | P2K1410 | 11/04/22 11:09 | 11/04/22 11:09 | 8015M     | SUB-13 |
| Methane                         | 0.0122 | 0.000500 | mg/L   | 1 | P2K1410 | 11/04/22 11:09 | 11/04/22 11:09 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                        |      |       |      |   |         |                |                |           |        |
|------------------------|------|-------|------|---|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand | 18.0 | 3.00  | mg/L | 1 | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| Nitrate as N           | ND   | 0.200 | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/28/22 21:02 | EPA 300.0 |        |
| Sulfate                | 32.3 | 1.00  | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/28/22 21:02 | EPA 300.0 |        |
| Total Organic Carbon   | 13.1 | 10.0  | mg/L | 1 | P2K1410 | 11/07/22 21:17 | 11/07/22 21:17 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|           |        |       |      |   |         |                |                |           |         |
|-----------|--------|-------|------|---|---------|----------------|----------------|-----------|---------|
| Iron      | 0.429  | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:07 | EPA 6010B | QAL1    |
| Manganese | 0.0566 | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:07 | EPA 6010B | J, QAL1 |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 14**  
**2J28003-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |        |         |        |    |         |                |                |           |        |
|---------------------------------|--------|---------|--------|----|---------|----------------|----------------|-----------|--------|
| Benzene                         | ND     | 0.00100 | mg/L   | 1  | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Toluene                         | ND     | 0.00100 | mg/L   | 1  | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1  | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1  | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1  | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Surrogate: 4-Bromofluorobenzene | 98.7 % |         | 80-120 |    | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Surrogate: 1,4-Difluorobenzene  | 92.1 % |         | 80-120 |    | P2J2810 | 10/28/22 15:40 | 10/29/22 01:02 | EPA 8021B |        |
| Ethane                          | ND     | 0.0200  | mg/L   | 20 | P2K1410 | 11/04/22 11:09 | 11/04/22 12:12 | 8015M     | SUB-13 |
| Ethene                          | ND     | 0.0200  | mg/L   | 20 | P2K1410 | 11/04/22 11:09 | 11/04/22 12:12 | 8015M     | SUB-13 |
| Methane                         | 0.351  | 0.0100  | mg/L   | 20 | P2K1410 | 11/04/22 11:09 | 11/04/22 12:12 | 8015M     | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                        |      |       |      |    |         |                |                |           |        |
|------------------------|------|-------|------|----|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand | 160  | 3.00  | mg/L | 1  | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| Nitrate as N           | ND   | 0.200 | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 22:29 | EPA 300.0 |        |
| Sulfate                | 73.2 | 1.00  | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 22:29 | EPA 300.0 |        |
| Total Organic Carbon   | 592  | 10.0  | mg/L | 10 | P2K1410 | 11/07/22 21:17 | 11/07/22 21:30 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|           |       |       |      |   |         |                |                |           |      |
|-----------|-------|-------|------|---|---------|----------------|----------------|-----------|------|
| Iron      | 2.82  | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:11 | EPA 6010B | QAL1 |
| Manganese | 0.291 | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:11 | EPA 6010B | QAL1 |

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Midland TX, 79705

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 32**  
**2J28003-03 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |          |      |   |                |                       |                       |                  |        |
|----------------------------------------|----------------|----------|------|---|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>0.00261</b> | 0.00100  | mg/L | 1 | P2J2810        | 10/28/22 15:40        | 10/29/22 01:23        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.00362</b> | 0.00100  | mg/L | 1 | P2J2810        | 10/28/22 15:40        | 10/29/22 01:23        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>0.0202</b>  | 0.00100  | mg/L | 1 | P2J2810        | 10/28/22 15:40        | 10/29/22 01:23        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>0.0222</b>  | 0.00200  | mg/L | 1 | P2J2810        | 10/28/22 15:40        | 10/29/22 01:23        | EPA 8021B        |        |
| <b>Xylene (o)</b>                      | <b>0.00790</b> | 0.00100  | mg/L | 1 | P2J2810        | 10/28/22 15:40        | 10/29/22 01:23        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>97.1 %</i>  |          |      |   | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 01:23</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>89.1 %</i>  |          |      |   | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 01:23</i> | <i>EPA 8021B</i> |        |
| Ethane                                 | ND             | 0.00100  | mg/L | 1 | P2K1410        | 11/04/22 11:09        | 11/04/22 11:38        | 8015M            | SUB-13 |
| Ethene                                 | ND             | 0.00100  | mg/L | 1 | P2K1410        | 11/04/22 11:09        | 11/04/22 11:38        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>0.00140</b> | 0.000500 | mg/L | 1 | P2K1410        | 11/04/22 11:09        | 11/04/22 11:38        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |              |       |      |    |         |                |                |           |        |
|-------------------------------|--------------|-------|------|----|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>88.0</b>  | 3.00  | mg/L | 1  | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| <b>Nitrate as N</b>           | <b>0.372</b> | 0.200 | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 22:58 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>40.8</b>  | 1.00  | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 22:58 | EPA 300.0 |        |
| Total Organic Carbon          | ND           | 10.0  | mg/L | 10 | P2K1410 | 11/07/22 21:17 | 11/07/22 21:43 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |       |      |   |         |                |                |           |         |
|------------------|---------------|-------|------|---|---------|----------------|----------------|-----------|---------|
| Iron             | ND            | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:14 | EPA 6010B | QAL1    |
| <b>Manganese</b> | <b>0.0448</b> | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:14 | EPA 6010B | J, QAL1 |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 9**  
**2J28003-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |         |               |    |                |                       |                       |                  |        |
|----------------------------------------|----------------|---------|---------------|----|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>0.195</b>   | 0.00100 | mg/L          | 1  | P2J2810        | 10/28/22 15:40        | 10/29/22 01:45        | EPA 8021B        |        |
| Toluene                                | ND             | 0.00100 | mg/L          | 1  | P2J2810        | 10/28/22 15:40        | 10/29/22 01:45        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>0.00659</b> | 0.00100 | mg/L          | 1  | P2J2810        | 10/28/22 15:40        | 10/29/22 01:45        | EPA 8021B        |        |
| Xylene (p/m)                           | ND             | 0.00200 | mg/L          | 1  | P2J2810        | 10/28/22 15:40        | 10/29/22 01:45        | EPA 8021B        |        |
| Xylene (o)                             | ND             | 0.00100 | mg/L          | 1  | P2J2810        | 10/28/22 15:40        | 10/29/22 01:45        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>96.5 %</i>  |         | <i>80-120</i> |    | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 01:45</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>92.3 %</i>  |         | <i>80-120</i> |    | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 01:45</i> | <i>EPA 8021B</i> |        |
| Ethane                                 | ND             | 0.0200  | mg/L          | 20 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:21        | 8015M            | SUB-13 |
| Ethene                                 | ND             | 0.0200  | mg/L          | 20 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:21        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>0.444</b>   | 0.0100  | mg/L          | 20 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:21        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                             |             |       |      |   |         |                |                |           |        |
|-----------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| Chemical Oxygen Demand      | ND          | 3.00  | mg/L | 1 | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| Nitrate as N                | ND          | 0.200 | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/28/22 23:27 | EPA 300.0 |        |
| <b>Sulfate</b>              | <b>5.94</b> | 1.00  | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/28/22 23:27 | EPA 300.0 |        |
| <b>Total Organic Carbon</b> | <b>64.3</b> | 1.00  | mg/L | 1 | P2K1410 | 11/07/22 21:17 | 11/07/22 21:56 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |       |      |   |         |                |                |           |      |
|------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>15.6</b>  | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:17 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.665</b> | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:17 | EPA 6010B | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 4**  
**2J28003-05 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |                |               |      |    |                |                       |                       |                  |        |
|----------------------------------------|----------------|---------------|------|----|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>1.39</b>    | 0.00500       | mg/L | 5  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:06        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.00620</b> | 0.00500       | mg/L | 5  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:06        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>1.11</b>    | 0.00500       | mg/L | 5  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:06        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>0.763</b>   | 0.0100        | mg/L | 5  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:06        | EPA 8021B        |        |
| <b>Xylene (o)</b>                      | <b>0.231</b>   | 0.00500       | mg/L | 5  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:06        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>87.8 %</i>  | <i>80-120</i> |      |    | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 02:06</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>95.1 %</i>  | <i>80-120</i> |      |    | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/29/22 02:06</i> | <i>EPA 8021B</i> |        |
| Ethane                                 | ND             | 0.0500        | mg/L | 50 | P2K1410        | 11/04/22 11:09        | 11/04/22 16:49        | 8015M            | SUB-13 |
| Ethene                                 | ND             | 0.0500        | mg/L | 50 | P2K1410        | 11/04/22 11:09        | 11/04/22 16:49        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>0.957</b>   | 0.0500        | mg/L | 25 | P2K1410        | 11/04/22 11:09        | 11/04/22 16:49        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |              |       |      |    |         |                |                |           |        |
|-------------------------------|--------------|-------|------|----|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>14.0</b>  | 3.00  | mg/L | 1  | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| <b>Nitrate as N</b>           | <b>0.383</b> | 0.200 | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 23:56 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>27.8</b>  | 1.00  | mg/L | 1  | P2J2811 | 10/28/22 16:10 | 10/28/22 23:56 | EPA 300.0 |        |
| Total Organic Carbon          | ND           | 10.0  | mg/L | 10 | P2K1410 | 11/07/22 21:17 | 11/07/22 22:09 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |               |       |      |   |         |                |                |           |         |
|------------------|---------------|-------|------|---|---------|----------------|----------------|-----------|---------|
| <b>Iron</b>      | <b>0.721</b>  | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:20 | EPA 6010B | QAL1    |
| <b>Manganese</b> | <b>0.0923</b> | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:20 | EPA 6010B | J, QAL1 |

**PAH compounds by Semivolatile GCMS**

|                            |               |         |      |     |         |                |                |       |        |
|----------------------------|---------------|---------|------|-----|---------|----------------|----------------|-------|--------|
| <b>1-Methylnaphthalene</b> | <b>0.13</b>   | 0.010   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 19:04 | 8270C | SUB-13 |
| <b>2-Methylnaphthalene</b> | <b>0.11</b>   | 0.010   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 19:04 | 8270C | SUB-13 |
| Acenaphthene               | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| <b>Acenaphthylene</b>      | <b>0.0015</b> | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Anthracene                 | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Benzo (a) anthracene       | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Benzo (a) pyrene           | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Benzo (b) fluoranthene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Benzo (g,h,i) perylene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Benzo (k) fluoranthene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Chrysene                   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Dibenzo (a,h) anthracene   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Fluoranthene               | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| <b>Fluorene</b>            | <b>0.0079</b> | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 16:49 | 8270C | SUB-13 |
| <b>Naphthalene</b>         | <b>0.079</b>  | 0.0010  | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 18:42 | 8270C | SUB-13 |
| <b>Phenanthrene</b>        | <b>0.021</b>  | 0.010   | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 18:42 | 8270C | SUB-13 |
| Pyrene                     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/10/22 19:26 | 8270C | SUB-13 |

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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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW- 11**  
**2J28003-06 (Water)**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                        |               |         |      |     |                |                       |                       |                  |        |
|----------------------------------------|---------------|---------|------|-----|----------------|-----------------------|-----------------------|------------------|--------|
| <b>Benzene</b>                         | <b>7.82</b>   | 0.0200  | mg/L | 20  | P2J2810        | 10/28/22 15:40        | 10/29/22 02:28        | EPA 8021B        |        |
| <b>Toluene</b>                         | <b>0.0104</b> | 0.00500 | mg/L | 5   | P2J2810        | 10/28/22 15:40        | 10/31/22 12:08        | EPA 8021B        |        |
| <b>Ethylbenzene</b>                    | <b>1.25</b>   | 0.00500 | mg/L | 5   | P2J2810        | 10/28/22 15:40        | 10/31/22 12:08        | EPA 8021B        |        |
| <b>Xylene (p/m)</b>                    | <b>0.655</b>  | 0.0100  | mg/L | 5   | P2J2810        | 10/28/22 15:40        | 10/31/22 12:08        | EPA 8021B        |        |
| <b>Xylene (o)</b>                      | <b>0.0373</b> | 0.00500 | mg/L | 5   | P2J2810        | 10/28/22 15:40        | 10/31/22 12:08        | EPA 8021B        |        |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>83.2 %</i> |         |      |     | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/31/22 12:08</i> | <i>EPA 8021B</i> |        |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>100 %</i>  |         |      |     | <i>P2J2810</i> | <i>10/28/22 15:40</i> | <i>10/31/22 12:08</i> | <i>EPA 8021B</i> |        |
| Ethane                                 | ND            | 0.200   | mg/L | 200 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:48        | 8015M            | SUB-13 |
| Ethene                                 | ND            | 0.100   | mg/L | 200 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:48        | 8015M            | SUB-13 |
| <b>Methane</b>                         | <b>3.31</b>   | 0.100   | mg/L | 200 | P2K1410        | 11/04/22 11:09        | 11/04/22 12:48        | 8015M            | SUB-13 |

**General Chemistry Parameters by EPA / Standard Methods**

|                               |             |       |      |   |         |                |                |           |        |
|-------------------------------|-------------|-------|------|---|---------|----------------|----------------|-----------|--------|
| <b>Chemical Oxygen Demand</b> | <b>68.0</b> | 3.00  | mg/L | 1 | P2J3108 | 10/31/22 12:06 | 11/02/22 09:13 | 8000      | QAL1   |
| Nitrate as N                  | ND          | 0.200 | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/29/22 00:25 | EPA 300.0 |        |
| <b>Sulfate</b>                | <b>4.73</b> | 1.00  | mg/L | 1 | P2J2811 | 10/28/22 16:10 | 10/29/22 00:25 | EPA 300.0 |        |
| <b>Total Organic Carbon</b>   | <b>17.4</b> | 1.00  | mg/L | 1 | P2K1410 | 11/07/22 21:17 | 11/07/22 22:48 | EPA 415.1 | SUB-13 |

**Dissolved Metals by EPA / Standard Methods**

|                  |              |       |      |   |         |                |                |           |      |
|------------------|--------------|-------|------|---|---------|----------------|----------------|-----------|------|
| <b>Iron</b>      | <b>3.57</b>  | 0.200 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:23 | EPA 6010B | QAL1 |
| <b>Manganese</b> | <b>0.221</b> | 0.100 | mg/L | 1 | P2K0103 | 11/01/22 10:44 | 11/01/22 12:23 | EPA 6010B | QAL1 |

**PAH compounds by Semivolatile GCMS**

|                            |               |         |      |     |         |                |                |       |        |
|----------------------------|---------------|---------|------|-----|---------|----------------|----------------|-------|--------|
| <b>1-Methylnaphthalene</b> | <b>0.13</b>   | 0.010   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 19:49 | 8270C | SUB-13 |
| <b>2-Methylnaphthalene</b> | <b>0.10</b>   | 0.010   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 19:49 | 8270C | SUB-13 |
| Acenaphthene               | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| <b>Acenaphthylene</b>      | <b>0.0020</b> | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Anthracene                 | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Benzo (a) anthracene       | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Benzo (a) pyrene           | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Benzo (b) fluoranthene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Benzo (g,h,i) perylene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Benzo (k) fluoranthene     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Chrysene                   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Dibenzo (a,h) anthracene   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Fluoranthene               | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| <b>Fluorene</b>            | <b>0.0079</b> | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |
| <b>Naphthalene</b>         | <b>0.12</b>   | 0.010   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 19:49 | 8270C | SUB-13 |
| <b>Phenanthrene</b>        | <b>0.016</b>  | 0.0010  | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 19:49 | 8270C | SUB-13 |
| Pyrene                     | ND            | 0.00010 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:11 | 8270C | SUB-13 |

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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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**MW-1**  
**2J28003-07 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

|                                 |               |         |        |   |         |                |                |           |  |
|---------------------------------|---------------|---------|--------|---|---------|----------------|----------------|-----------|--|
| <b>Benzene</b>                  | <b>1.08</b>   | 0.00500 | mg/L   | 5 | P2K0203 | 11/02/22 10:20 | 11/03/22 10:16 | EPA 8021B |  |
| <b>Toluene</b>                  | <b>0.0178</b> | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |
| <b>Ethylbenzene</b>             | <b>0.0231</b> | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |
| <b>Xylene (p/m)</b>             | <b>0.0432</b> | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |
| <b>Xylene (o)</b>               | <b>0.0125</b> | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 81.6 %        |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 88.7 %        |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 14:25 | EPA 8021B |  |

**PAH compounds by Semivolatile GCMS**

|                            |               |         |      |     |         |                |                |       |        |
|----------------------------|---------------|---------|------|-----|---------|----------------|----------------|-------|--------|
| <b>1-Methylnaphthalene</b> | <b>0.13</b>   | 0.011   | mg/L | 100 | P2K1401 | 11/02/22 01:00 | 11/10/22 20:33 | 8270C | SUB-13 |
| <b>2-Methylnaphthalene</b> | <b>0.092</b>  | 0.0011  | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 20:11 | 8270C | SUB-13 |
| Acenaphthene               | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| <b>Acenaphthylene</b>      | <b>0.0012</b> | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Anthracene                 | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Benzo (a) anthracene       | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Benzo (a) pyrene           | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Benzo (b) fluoranthene     | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Benzo (g,h,i) perylene     | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Benzo (k) fluoranthene     | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Chrysene                   | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Dibenzo (a,h) anthracene   | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Fluoranthene               | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| <b>Fluorene</b>            | <b>0.0064</b> | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| Indeno (1,2,3-cd) pyrene   | ND            | 0.00011 | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 8270C | SUB-13 |
| <b>Naphthalene</b>         | <b>0.063</b>  | 0.0011  | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 20:11 | 8270C | SUB-13 |
| <b>Phenanthrene</b>        | <b>0.017</b>  | 0.0011  | mg/L | 10  | P2K1401 | 11/02/22 01:00 | 11/10/22 20:11 | 8270C | SUB-13 |
| Pyrene                     | ND            | 0.11    | mg/L | 1   | P2K1401 | 11/02/22 01:00 | 11/09/22 17:34 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

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

**Batch P2J2810 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2J2810-BLK1)**

Prepared & Analyzed: 10/28/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117 |         | "    | 0.120 |  | 97.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.110 |         | "    | 0.120 |  | 91.5 | 80-120 |  |  |  |

**LCS (P2J2810-BS1)**

Prepared & Analyzed: 10/28/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0988 | 0.00100 | mg/L | 0.100 |  | 98.8 | 80-120 |  |  |  |
| Toluene                         | 0.0986 | 0.00100 | "    | 0.100 |  | 98.6 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.109  | 0.00100 | "    | 0.100 |  | 109  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.209  | 0.00200 | "    | 0.200 |  | 104  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0886 | 0.00100 | "    | 0.100 |  | 88.6 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.122  |         | "    | 0.120 |  | 101  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.119  |         | "    | 0.120 |  | 99.4 | 80-120 |  |  |  |

**LCS Dup (P2J2810-BSD1)**

Prepared & Analyzed: 10/28/22

|                                 |        |         |      |       |  |      |        |      |    |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|--|
| Benzene                         | 0.0963 | 0.00100 | mg/L | 0.100 |  | 96.3 | 80-120 | 2.51 | 20 |  |
| Toluene                         | 0.0940 | 0.00100 | "    | 0.100 |  | 94.0 | 80-120 | 4.74 | 20 |  |
| Ethylbenzene                    | 0.103  | 0.00100 | "    | 0.100 |  | 103  | 80-120 | 5.82 | 20 |  |
| Xylene (p/m)                    | 0.196  | 0.00200 | "    | 0.200 |  | 98.0 | 80-120 | 6.31 | 20 |  |
| Xylene (o)                      | 0.0836 | 0.00100 | "    | 0.100 |  | 83.6 | 80-120 | 5.79 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.116  |         | "    | 0.120 |  | 96.3 | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118  |         | "    | 0.120 |  | 98.3 | 80-120 |      |    |  |

**Calibration Blank (P2J2810-CCB1)**

Prepared & Analyzed: 10/28/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.160 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.340 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.410 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 0.830 |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.640 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.105 |  | "    | 0.120 |  | 87.3 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.113 |  | "    | 0.120 |  | 94.0 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2J2810 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2J2810-CCB2)**

Prepared & Analyzed: 10/28/22

|                                 |        |  |      |       |  |      |        |  |  |  |
|---------------------------------|--------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.0200 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.260  |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.400  |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 0.950  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.750  |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.118  |  | "    | 0.120 |  | 98.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.110  |  | "    | 0.120 |  | 91.7 | 80-120 |  |  |  |

**Calibration Check (P2J2810-CCV1)**

Prepared & Analyzed: 10/28/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.103  | 0.00100 | mg/L | 0.100 |  | 103  | 80-120 |  |  |  |
| Toluene                         | 0.105  | 0.00100 | "    | 0.100 |  | 105  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.108  | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.221  | 0.00200 | "    | 0.200 |  | 111  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0941 | 0.00100 | "    | 0.100 |  | 94.1 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.126  |         | "    | 0.120 |  | 105  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120 |  | 97.6 | 80-120 |  |  |  |

**Calibration Check (P2J2810-CCV2)**

Prepared & Analyzed: 10/28/22

|                                 |        |         |      |       |  |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.107  | 0.00100 | mg/L | 0.100 |  | 107  | 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)                    | 0.222  | 0.00200 | "    | 0.200 |  | 111  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0986 | 0.00100 | "    | 0.100 |  | 98.6 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.128  |         | "    | 0.120 |  | 107  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120 |  | 97.3 | 80-120 |  |  |  |

**Calibration Check (P2J2810-CCV3)**

Prepared: 10/28/22 Analyzed: 10/29/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.107 | 0.00100 | mg/L | 0.100 |  | 107  | 80-120 |  |  |  |
| Toluene                         | 0.108 | 0.00100 | "    | 0.100 |  | 108  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.112 | 0.00100 | "    | 0.100 |  | 112  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.229 | 0.00200 | "    | 0.200 |  | 115  | 80-120 |  |  |  |
| Xylene (o)                      | 0.101 | 0.00100 | "    | 0.100 |  | 101  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.128 |         | "    | 0.120 |  | 106  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117 |         | "    | 0.120 |  | 97.5 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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



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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2J2810 - \*\*\* DEFAULT PREP \*\*\***

| Matrix Spike (P2J2810-MS1)      |        | Source: 2J27001-01 |      | Prepared: 10/28/22 |    | Analyzed: 10/29/22 |        |  |  |  |
|---------------------------------|--------|--------------------|------|--------------------|----|--------------------|--------|--|--|--|
| Benzene                         | 0.0964 | 0.00100            | mg/L | 0.100              | ND | 96.4               | 80-120 |  |  |  |
| Toluene                         | 0.0920 | 0.00100            | "    | 0.100              | ND | 92.0               | 80-120 |  |  |  |
| Ethylbenzene                    | 0.103  | 0.00100            | "    | 0.100              | ND | 103                | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.190  | 0.00200            | "    | 0.200              | ND | 95.2               | 80-120 |  |  |  |
| Xylene (o)                      | 0.0811 | 0.00100            | "    | 0.100              | ND | 81.1               | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.117  |                    | "    | 0.120              |    | 97.8               | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.118  |                    | "    | 0.120              |    | 98.1               | 80-120 |  |  |  |

| Matrix Spike Dup (P2J2810-MSD1) |        | Source: 2J27001-01 |      | Prepared: 10/28/22 |    | Analyzed: 10/29/22 |        |      |    |       |
|---------------------------------|--------|--------------------|------|--------------------|----|--------------------|--------|------|----|-------|
| Benzene                         | 0.0891 | 0.00100            | mg/L | 0.100              | ND | 89.1               | 80-120 | 7.90 | 20 |       |
| Toluene                         | 0.0856 | 0.00100            | "    | 0.100              | ND | 85.6               | 80-120 | 7.19 | 20 |       |
| Ethylbenzene                    | 0.0947 | 0.00100            | "    | 0.100              | ND | 94.7               | 80-120 | 8.24 | 20 |       |
| Xylene (p/m)                    | 0.180  | 0.00200            | "    | 0.200              | ND | 90.0               | 80-120 | 5.64 | 20 |       |
| Xylene (o)                      | 0.0766 | 0.00100            | "    | 0.100              | ND | 76.6               | 80-120 | 5.80 | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.123  |                    | "    | 0.120              |    | 102                | 80-120 |      |    |       |
| Surrogate: 1,4-Difluorobenzene  | 0.121  |                    | "    | 0.120              |    | 101                | 80-120 |      |    |       |

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

| Blank (P2K0203-BLK1)            |       |         |      | Prepared & Analyzed: 11/02/22 |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------------------------------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |                               |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |                               |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |                               |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |                               |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |                               |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.112 |         | "    | 0.120                         |  | 93.5 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.106 |         | "    | 0.120                         |  | 88.0 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

**LCS (P2K0203-BS1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |     |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene                         | 0.104 | 0.00100 | mg/L | 0.100 |  | 104 | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.100 |  | 106 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.120 | 0.00100 | "    | 0.100 |  | 120 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 117 | 80-120 |  |  |  |
| Xylene (o)                      | 0.103 | 0.00100 | "    | 0.100 |  | 103 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.135 |         | "    | 0.120 |  | 113 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101 | 80-120 |  |  |  |

**LCS Dup (P2K0203-BS1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |      |        |       |    |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|-------|----|--|
| Benzene                         | 0.104 | 0.00100 | mg/L | 0.100 |  | 104  | 80-120 | 0.452 | 20 |  |
| Toluene                         | 0.109 | 0.00100 | "    | 0.100 |  | 109  | 80-120 | 2.35  | 20 |  |
| Ethylbenzene                    | 0.116 | 0.00100 | "    | 0.100 |  | 116  | 80-120 | 3.57  | 20 |  |
| Xylene (p/m)                    | 0.238 | 0.00200 | "    | 0.200 |  | 119  | 80-120 | 2.05  | 20 |  |
| Xylene (o)                      | 0.103 | 0.00100 | "    | 0.100 |  | 103  | 80-120 | 0.301 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.138 |         | "    | 0.120 |  | 115  | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |  | 99.7 | 80-120 |       |    |  |

**Calibration Blank (P2K0203-CCB1)**

Prepared & Analyzed: 11/02/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.150 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.370 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.480 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.16  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.660 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.113 |  | "    | 0.120 |  | 94.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.106 |  | "    | 0.120 |  | 88.5 | 80-120 |  |  |  |

**Calibration Blank (P2K0203-CCB2)**

Prepared & Analyzed: 11/02/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.220 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.380 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.460 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.16  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.570 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.123 |  | "    | 0.120 |  | 102  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.110 |  | "    | 0.120 |  | 91.8 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

| Calibration Check (P2K0203-CCV1) |       |         |      | Prepared & Analyzed: 11/02/22 |  |     |        |  |  |  |
|----------------------------------|-------|---------|------|-------------------------------|--|-----|--------|--|--|--|
| Benzene                          | 0.114 | 0.00100 | mg/L | 0.100                         |  | 114 | 80-120 |  |  |  |
| Toluene                          | 0.115 | 0.00100 | "    | 0.100                         |  | 115 | 80-120 |  |  |  |
| Ethylbenzene                     | 0.115 | 0.00100 | "    | 0.100                         |  | 115 | 80-120 |  |  |  |
| Xylene (p/m)                     | 0.239 | 0.00200 | "    | 0.200                         |  | 120 | 80-120 |  |  |  |
| Xylene (o)                       | 0.110 | 0.00100 | "    | 0.100                         |  | 110 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.129 |         | "    | 0.120                         |  | 108 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene   | 0.126 |         | "    | 0.120                         |  | 105 | 80-120 |  |  |  |

| Calibration Check (P2K0203-CCV2) |       |         |      | Prepared & Analyzed: 11/02/22 |  |     |        |  |  |  |
|----------------------------------|-------|---------|------|-------------------------------|--|-----|--------|--|--|--|
| Benzene                          | 0.116 | 0.00100 | mg/L | 0.100                         |  | 116 | 80-120 |  |  |  |
| Toluene                          | 0.111 | 0.00100 | "    | 0.100                         |  | 111 | 80-120 |  |  |  |
| Ethylbenzene                     | 0.107 | 0.00100 | "    | 0.100                         |  | 107 | 80-120 |  |  |  |
| Xylene (p/m)                     | 0.220 | 0.00200 | "    | 0.200                         |  | 110 | 80-120 |  |  |  |
| Xylene (o)                       | 0.101 | 0.00100 | "    | 0.100                         |  | 101 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.126 |         | "    | 0.120                         |  | 105 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene   | 0.120 |         | "    | 0.120                         |  | 100 | 80-120 |  |  |  |

| Calibration Check (P2K0203-CCV3) |       |         |      | Prepared & Analyzed: 11/02/22 |  |      |        |  |  |  |
|----------------------------------|-------|---------|------|-------------------------------|--|------|--------|--|--|--|
| Benzene                          | 0.110 | 0.00100 | mg/L | 0.100                         |  | 110  | 80-120 |  |  |  |
| Toluene                          | 0.107 | 0.00100 | "    | 0.100                         |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                     | 0.109 | 0.00100 | "    | 0.100                         |  | 109  | 80-120 |  |  |  |
| Xylene (p/m)                     | 0.225 | 0.00200 | "    | 0.200                         |  | 113  | 80-120 |  |  |  |
| Xylene (o)                       | 0.100 | 0.00100 | "    | 0.100                         |  | 100  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene  | 0.129 |         | "    | 0.120                         |  | 108  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene   | 0.117 |         | "    | 0.120                         |  | 97.4 | 80-120 |  |  |  |

| Matrix Spike (P2K0203-MS1)      |        |         |      | Source: 2K02002-01 | Prepared & Analyzed: 11/02/22 |      |        |  |  |  |
|---------------------------------|--------|---------|------|--------------------|-------------------------------|------|--------|--|--|--|
| Benzene                         | 0.106  | 0.00100 | mg/L | 0.100              | ND                            | 106  | 80-120 |  |  |  |
| Toluene                         | 0.104  | 0.00100 | "    | 0.100              | ND                            | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.113  | 0.00100 | "    | 0.100              | ND                            | 113  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.217  | 0.00200 | "    | 0.200              | ND                            | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0942 | 0.00100 | "    | 0.100              | ND                            | 94.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.129  |         | "    | 0.120              |                               | 107  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120              |                               | 97.6 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

**Matrix Spike Dup (P2K0203-MSD1)**

**Source: 2K02002-01**

Prepared & Analyzed: 11/02/22

|                                 |        |         |      |       |    |      |        |      |    |  |
|---------------------------------|--------|---------|------|-------|----|------|--------|------|----|--|
| Benzene                         | 0.112  | 0.00100 | mg/L | 0.100 | ND | 112  | 80-120 | 5.72 | 20 |  |
| Toluene                         | 0.108  | 0.00100 | "    | 0.100 | ND | 108  | 80-120 | 4.35 | 20 |  |
| Ethylbenzene                    | 0.117  | 0.00100 | "    | 0.100 | ND | 117  | 80-120 | 3.53 | 20 |  |
| Xylene (p/m)                    | 0.222  | 0.00200 | "    | 0.200 | ND | 111  | 80-120 | 2.35 | 20 |  |
| Xylene (o)                      | 0.0965 | 0.00100 | "    | 0.100 | ND | 96.5 | 80-120 | 2.39 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.126  |         | "    | 0.120 |    | 105  | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120 |    | 97.4 | 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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2J2811 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2J2811-BLK1)**

Prepared & Analyzed: 10/28/22

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

**LCS (P2J2811-BS1)**

Prepared & Analyzed: 10/28/22

|              |      |  |      |      |  |      |        |  |  |    |
|--------------|------|--|------|------|--|------|--------|--|--|----|
| Nitrate as N | 1.76 |  | mg/L | 2.00 |  | 88.0 | 90-110 |  |  | L1 |
| Sulfate      | 18.9 |  | "    | 20.0 |  | 94.7 | 90-110 |  |  |    |

**LCS Dup (P2J2811-BSD1)**

Prepared & Analyzed: 10/28/22

|              |      |  |      |      |  |      |        |       |    |    |
|--------------|------|--|------|------|--|------|--------|-------|----|----|
| Nitrate as N | 1.77 |  | mg/L | 2.00 |  | 88.5 | 90-110 | 0.623 | 10 | L1 |
| Sulfate      | 19.5 |  | "    | 20.0 |  | 97.3 | 90-110 | 2.71  | 10 |    |

**Calibration Blank (P2J2811-CCB1)**

Prepared & Analyzed: 10/28/22

|              |      |  |      |  |  |  |  |  |  |  |
|--------------|------|--|------|--|--|--|--|--|--|--|
| Nitrate as N | 0.00 |  | mg/L |  |  |  |  |  |  |  |
| Sulfate      | 0.00 |  | "    |  |  |  |  |  |  |  |

**Calibration Check (P2J2811-CCV1)**

Prepared & Analyzed: 10/28/22

|              |      |  |      |      |  |      |        |  |  |      |
|--------------|------|--|------|------|--|------|--------|--|--|------|
| Nitrate as N | 1.71 |  | mg/L | 2.00 |  | 85.4 | 90-110 |  |  | CCV2 |
| Sulfate      | 18.7 |  | "    | 20.0 |  | 93.6 | 90-110 |  |  |      |

**Calibration Check (P2J2811-CCV2)**

Prepared: 10/28/22 Analyzed: 10/29/22

|              |      |  |      |      |  |      |        |  |  |      |
|--------------|------|--|------|------|--|------|--------|--|--|------|
| Sulfate      | 19.6 |  | mg/L | 20.0 |  | 97.8 | 90-110 |  |  |      |
| Nitrate as N | 1.71 |  | "    | 2.00 |  | 85.7 | 90-110 |  |  | CCV2 |

**Matrix Spike (P2J2811-MS1)**

Source: 2J28003-01

Prepared & Analyzed: 10/28/22

|              |       |       |      |       |      |      |        |  |  |       |
|--------------|-------|-------|------|-------|------|------|--------|--|--|-------|
| Sulfate      | 34.3  | 1.00  | mg/L | 2.00  | 32.3 | 97.5 | 80-120 |  |  |       |
| Nitrate as N | 0.244 | 0.200 | "    | 0.200 | ND   | 122  | 80-120 |  |  | QM-05 |

**Matrix Spike Dup (P2J2811-MSD1)**

Source: 2J28003-01

Prepared & Analyzed: 10/28/22

|              |       |       |      |       |      |      |        |      |    |       |
|--------------|-------|-------|------|-------|------|------|--------|------|----|-------|
| Nitrate as N | 0.159 | 0.200 | mg/L | 0.200 | ND   | 79.5 | 80-120 | 42.2 | 20 | QM-05 |
| Sulfate      | 35.9  | 1.00  | "    | 2.00  | 32.3 | 176  | 80-120 | 4.47 | 20 | QM-05 |

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: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

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

| Analyte                                     | Result | Reporting<br>Limit | Units | Spike<br>Level                        | Source<br>Result | %REC                                  | %REC<br>Limits | RPD  | RPD<br>Limit | Notes |
|---------------------------------------------|--------|--------------------|-------|---------------------------------------|------------------|---------------------------------------|----------------|------|--------------|-------|
| <b>Batch P2J3108 - *** DEFAULT PREP ***</b> |        |                    |       |                                       |                  |                                       |                |      |              |       |
| <b>Blank (P2J3108-BLK1)</b>                 |        |                    |       | Prepared: 10/31/22 Analyzed: 11/02/22 |                  |                                       |                |      |              |       |
| Chemical Oxygen Demand                      | ND     | 3.00               | mg/L  |                                       |                  |                                       |                |      |              | QAL1  |
| <b>LCS (P2J3108-BS1)</b>                    |        |                    |       | Prepared: 10/31/22 Analyzed: 11/02/22 |                  |                                       |                |      |              |       |
| Chemical Oxygen Demand                      | 93.0   | 3.00               | mg/L  | 100                                   |                  | 93.0                                  | 80-120         |      |              | QAL1  |
| <b>LCS Dup (P2J3108-BSD1)</b>               |        |                    |       | Prepared: 10/31/22 Analyzed: 11/02/22 |                  |                                       |                |      |              |       |
| Chemical Oxygen Demand                      | 102    | 3.00               | mg/L  | 100                                   |                  | 102                                   | 80-120         | 9.23 | 20           | QAL1  |
| <b>Duplicate (P2J3108-DUP1)</b>             |        |                    |       | <b>Source: 2J19001-01</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 73.0   | 3.00               | mg/L  |                                       | 75.0             |                                       |                | 2.70 | 20           | QAL1  |
| <b>Duplicate (P2J3108-DUP2)</b>             |        |                    |       | <b>Source: 2J28003-06</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 66.0   | 3.00               | mg/L  |                                       | 68.0             |                                       |                | 2.99 | 20           | QAL1  |
| <b>Matrix Spike (P2J3108-MS1)</b>           |        |                    |       | <b>Source: 2J19001-01</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 153    | 3.00               | mg/L  | 100                                   | 75.0             | 78.0                                  | 80-120         |      |              | QAL1  |
| <b>Matrix Spike (P2J3108-MS2)</b>           |        |                    |       | <b>Source: 2J28003-06</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 170    | 3.00               | mg/L  | 100                                   | 68.0             | 102                                   | 80-120         |      |              | QAL1  |
| <b>Matrix Spike Dup (P2J3108-MSD1)</b>      |        |                    |       | <b>Source: 2J19001-01</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 153    | 3.00               | mg/L  | 100                                   | 75.0             | 78.0                                  | 80-120         | 0.00 | 20           | QAL1  |
| <b>Matrix Spike Dup (P2J3108-MSD2)</b>      |        |                    |       | <b>Source: 2J28003-06</b>             |                  | Prepared: 10/31/22 Analyzed: 11/02/22 |                |      |              |       |
| Chemical Oxygen Demand                      | 172    | 3.00               | mg/L  | 100                                   | 68.0             | 104                                   | 80-120         | 1.17 | 20           | QAL1  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

**Dissolved Metals by EPA / Standard Methods - Quality Control**  
**Permian Basin Environmental Lab, L.P.**

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0103 - \*\*\* DEFAULT PREP \*\*\***

|                          |       |       |      |                               |  |     |        |  |  |      |
|--------------------------|-------|-------|------|-------------------------------|--|-----|--------|--|--|------|
| <b>LCS (P2K0103-BS1)</b> |       |       |      | Prepared & Analyzed: 11/01/22 |  |     |        |  |  |      |
| Manganese                | 0.209 | 0.100 | mg/L | 0.200                         |  | 104 | 80-120 |  |  | QAL1 |
| Iron                     | 0.447 | 0.200 | "    | 0.400                         |  | 112 | 80-120 |  |  | QAL1 |

|                               |       |       |      |                               |  |     |        |        |    |      |
|-------------------------------|-------|-------|------|-------------------------------|--|-----|--------|--------|----|------|
| <b>LCS Dup (P2K0103-BSD1)</b> |       |       |      | Prepared & Analyzed: 11/01/22 |  |     |        |        |    |      |
| Manganese                     | 0.211 | 0.100 | mg/L | 0.200                         |  | 106 | 80-120 | 1.02   | 20 | QAL1 |
| Iron                          | 0.447 | 0.200 | "    | 0.400                         |  | 112 | 80-120 | 0.0806 | 20 | QAL1 |

|                                         |           |  |      |                               |  |  |  |  |  |      |
|-----------------------------------------|-----------|--|------|-------------------------------|--|--|--|--|--|------|
| <b>Calibration Blank (P2K0103-CCB2)</b> |           |  |      | Prepared & Analyzed: 11/01/22 |  |  |  |  |  |      |
| Iron                                    | -0.00522  |  | mg/L |                               |  |  |  |  |  | QAL1 |
| Manganese                               | -0.000422 |  | "    |                               |  |  |  |  |  | QAL1 |

|                                         |       |       |      |                               |  |     |        |  |  |      |
|-----------------------------------------|-------|-------|------|-------------------------------|--|-----|--------|--|--|------|
| <b>Calibration Check (P2K0103-CCV1)</b> |       |       |      | Prepared & Analyzed: 11/01/22 |  |     |        |  |  |      |
| Iron                                    | 0.455 | 0.200 | mg/L | 0.400                         |  | 114 | 80-120 |  |  | QAL1 |
| Manganese                               | 0.209 | 0.100 | "    | 0.200                         |  | 104 | 80-120 |  |  | QAL1 |

|                                         |       |       |      |                               |  |     |        |  |  |            |
|-----------------------------------------|-------|-------|------|-------------------------------|--|-----|--------|--|--|------------|
| <b>Calibration Check (P2K0103-CCV2)</b> |       |       |      | Prepared & Analyzed: 11/01/22 |  |     |        |  |  |            |
| Iron                                    | 0.500 | 0.200 | mg/L | 0.400                         |  | 125 | 80-120 |  |  | CCV2, QAL1 |
| Manganese                               | 0.287 | 0.100 | "    | 0.200                         |  | 144 | 80-120 |  |  | CCV2, QAL1 |

|                                   |       |       |      |                           |        |                               |        |  |  |             |
|-----------------------------------|-------|-------|------|---------------------------|--------|-------------------------------|--------|--|--|-------------|
| <b>Matrix Spike (P2K0103-MS1)</b> |       |       |      | <b>Source: 2J28003-01</b> |        | Prepared & Analyzed: 11/01/22 |        |  |  |             |
| Iron                              | 0.949 | 0.200 | mg/L | 0.400                     | 0.429  | 130                           | 75-125 |  |  | QAL1, QM-05 |
| Manganese                         | 0.257 | 0.100 | "    | 0.200                     | 0.0566 | 100                           | 75-125 |  |  | QAL1        |

|                                        |       |       |      |                           |        |                               |        |      |    |      |
|----------------------------------------|-------|-------|------|---------------------------|--------|-------------------------------|--------|------|----|------|
| <b>Matrix Spike Dup (P2K0103-MSD1)</b> |       |       |      | <b>Source: 2J28003-01</b> |        | Prepared & Analyzed: 11/01/22 |        |      |    |      |
| Iron                                   | 0.926 | 0.200 | mg/L | 0.400                     | 0.429  | 124                           | 75-125 | 2.44 | 20 | QAL1 |
| Manganese                              | 0.254 | 0.100 | "    | 0.200                     | 0.0566 | 98.7                          | 75-125 | 1.24 | 20 | QAL1 |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

### Notes and Definitions

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

ROI Received on Ice

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

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

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

NPBEL C Chain of Custody was not generated at PBELAB

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte results may be biased high.

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

CCV2 CCV recovery was above the acceptance limits. Analyte results may be biased high.

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:

11/16/2022

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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Midland TX, 79705

Project: SPS-11\_MNA  
Project Number: TNM SPS-11 MNA  
Project Manager: Curt Stanley

Brent Barron, Laboratory Director/Technical Director

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# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235  
PBELAB\_SUB\_COC\_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard

☐ TRRP

☐ NPDES

Sampler Signature: N/A

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| (lab use only)       |            | Analyze For:    |              |              |              |                |                        |                                |                             |                |                                                    |                             |                                               |      |                         | 72 HOUR                                                                                      | STANDARD |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ORDER #:             |            |                 |              |              |              |                |                        |                                |                             |                |                                                    |                             |                                               |      |                         |                                                                                              |          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Preservation & # of Containers |                             |                |                                                    |                             |                                               |      | Matrix                  |                                                                                              |          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                      |            |                 |              |              |              |                |                        | ICE                            | HNO <sub>3</sub> 250 poly 1 | HCl 3 40mL VOA | H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY | NaOH /Ascorbic Acid 250ML P | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | NONE | NONE 3 AMBER VOAA VIALS | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other |          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                      | 2J28003-01 |                 |              | 10/27/2022   | 10:53        |                | 4                      | X                              |                             | X              | X                                                  |                             |                                               |      |                         | W                                                                                            | X        | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## SPECIAL INSTRUCTIONS:

|                                  |  |  |  |  |  |                               |  |  |  |  |  |  |  |  |  |           |           |
|----------------------------------|--|--|--|--|--|-------------------------------|--|--|--|--|--|--|--|--|--|-----------|-----------|
| Relinquished by:<br>Brent Barron |  |  |  |  |  | Laboratory Comments:          |  |  |  |  |  |  |  |  |  |           |           |
|                                  |  |  |  |  |  | Sample Containers Intact?     |  |  |  |  |  |  |  |  |  | Y         | N         |
| Relinquished by:                 |  |  |  |  |  | VOCs Free of Headspace?       |  |  |  |  |  |  |  |  |  | Y         | N         |
|                                  |  |  |  |  |  | Labels on container(s)        |  |  |  |  |  |  |  |  |  | Y         | N         |
| Relinquished by:                 |  |  |  |  |  | Custody seals on container(s) |  |  |  |  |  |  |  |  |  | Y         | N         |
|                                  |  |  |  |  |  | Custody seals on cooler(s)    |  |  |  |  |  |  |  |  |  | Y         | N         |
| Relinquished by:                 |  |  |  |  |  | Sample Hand Delivered         |  |  |  |  |  |  |  |  |  | Y         | N         |
|                                  |  |  |  |  |  | by Sampler/Client Rep. ?      |  |  |  |  |  |  |  |  |  | Y         | N         |
| Relinquished by:                 |  |  |  |  |  | by Courier?                   |  |  |  |  |  |  |  |  |  | UPS       | DHL       |
|                                  |  |  |  |  |  | Temperature Upon Receipt:     |  |  |  |  |  |  |  |  |  | FedEx     | Lone Star |
| Relinquished by:                 |  |  |  |  |  | Received:                     |  |  |  |  |  |  |  |  |  | °C        |           |
|                                  |  |  |  |  |  | Adjusted:                     |  |  |  |  |  |  |  |  |  | °C Factor |           |



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November 11, 2022

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

Work Order: **HS22110020**

Laboratory Results for: **2J28003**

Dear Brent Barron,

ALS Environmental received 7 sample(s) on Nov 01, 2022 for the analysis presented in the following report.

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

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

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

Sincerely,

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

Generated By: JUMOKE.LAWAL  
Anna Kinchen  
Project Manager

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**Work Order:** HS22110020

## SAMPLE SUMMARY

| Lab Samp ID   | Client Sample ID | Matrix | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|--------|-------|-------------------|-------------------|--------------------------|
| HS22110020-01 | 2J28003-01       | Water  |       | 27-Oct-2022 10:53 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-02 | 2J28003-02       | Water  |       | 25-Oct-2022 11:35 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-03 | 2J28003-03       | Water  |       | 25-Oct-2022 12:11 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-04 | 2J28003-04       | Water  |       | 25-Oct-2022 13:28 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-05 | 2J28003-05       | Water  |       | 27-Oct-2022 14:23 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-06 | 2J28003-06       | Water  |       | 27-Oct-2022 15:13 | 01-Nov-2022 09:35 | <input type="checkbox"/> |
| HS22110020-07 | 2J28003-07       | Water  |       | 27-Oct-2022 16:47 | 01-Nov-2022 09:35 | <input type="checkbox"/> |

**ALS Houston, US**

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**Work Order:** HS22110020

**CASE NARRATIVE****GC Semivolatiles by Method RSK-175****Batch ID: R421144**

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

**GCMS Semivolatiles by Method SW8270****Batch ID: 185634****Sample ID: 2J28003-05 (HS22110020-05)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

**Sample ID: 2J28003-06 (HS22110020-06)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

**Sample ID: 2J28003-07 (HS22110020-07)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

**WetChemistry by Method E415.1****Batch ID: R421297****Sample ID: 2J28003-03 (HS22110020-03)**

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

**Sample ID: 2J28003-05 (HS22110020-05)**

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

ALS Houston, US

Date: 11-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2J28003

Sample ID:2J28003-01

Collection Date:27-Oct-2022 10:53

ANALYTICAL REPORT

WorkOrder:HS22110020

Lab ID:HS22110020-01

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: SAM |                    |                   |
| Ethane                         | ND     |                | 1.00            | ug/L         | 1                  | 04-Nov-2022 11:09 |
| Ethene                         | ND     |                | 1.00            | ug/L         | 1                  | 04-Nov-2022 11:09 |
| Methane                        | 12.2   |                | 0.500           | ug/L         | 1                  | 04-Nov-2022 11:09 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | 13.1   |                | 10.0            | mg/L         | 10                 | 07-Nov-2022 21:17 |

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

ALS Houston, US

Date: 11-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2J28003

Sample ID:2J28003-02

Collection Date:25-Oct-2022 11:35

ANALYTICAL REPORT

WorkOrder:HS22110020

Lab ID:HS22110020-02

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: SAM |                    |                   |
| Ethane                         | ND     |                | 20.0            | ug/L         | 20                 | 04-Nov-2022 12:12 |
| Ethene                         | ND     |                | 20.0            | ug/L         | 20                 | 04-Nov-2022 12:12 |
| Methane                        | 351    |                | 10.0            | ug/L         | 20                 | 04-Nov-2022 12:12 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | 59.2   |                | 10.0            | mg/L         | 10                 | 07-Nov-2022 21:30 |

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



ALS Houston, US

Date: 11-Nov-22

|                  |                                     |                          |
|------------------|-------------------------------------|--------------------------|
| Client:          | Permian Basin Environmental Lab, LP | <b>ANALYTICAL REPORT</b> |
| Project:         | 2J28003                             | WorkOrder:HS22110020     |
| Sample ID:       | 2J28003-03                          | Lab ID:HS22110020-03     |
| Collection Date: | 25-Oct-2022 12:11                   | Matrix:Water             |

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: SAM |                    |                   |
| Ethane                         | ND     |                | 1.00            | ug/L         | 1                  | 04-Nov-2022 11:38 |
| Ethene                         | ND     |                | 1.00            | ug/L         | 1                  | 04-Nov-2022 11:38 |
| Methane                        | 1.40   |                | 0.500           | ug/L         | 1                  | 04-Nov-2022 11:38 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | ND     |                | 10.0            | mg/L         | 10                 | 07-Nov-2022 21:43 |

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

ALS Houston, US

Date: 11-Nov-22

Client:Permian Basin Environmental Lab, LP

Project:2J28003

Sample ID:2J28003-04

Collection Date:25-Oct-2022 13:28

ANALYTICAL REPORT

WorkOrder:HS22110020

Lab ID:HS22110020-04

Matrix:Water

| ANALYSES                       | RESULT | QUAL           | REPORT<br>LIMIT | UNITS        | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|--------------------------------|--------|----------------|-----------------|--------------|--------------------|-------------------|
| DISSOLVED GASES BY RSK-175     |        | Method:RSK-175 |                 | Analyst: SAM |                    |                   |
| Ethane                         | ND     |                | 20.0            | ug/L         | 20                 | 04-Nov-2022 12:21 |
| Ethene                         | ND     |                | 20.0            | ug/L         | 20                 | 04-Nov-2022 12:21 |
| Methane                        | 444    |                | 10.0            | ug/L         | 20                 | 04-Nov-2022 12:21 |
| TOTAL ORGANIC CARBON BY E415.1 |        | Method:E415.1  |                 | Analyst: JAC |                    |                   |
| Organic Carbon, Total          | 64.3   |                | 10.0            | mg/L         | 10                 | 07-Nov-2022 21:56 |

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

## ALS Houston, US

Date: 11-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2J28003  
 Sample ID: 2J28003-05  
 Collection Date: 27-Oct-2022 14:23

## ANALYTICAL REPORT

WorkOrder:HS22110020  
 Lab ID:HS22110020-05  
 Matrix:Water

| ANALYSES                              | RESULT      | QUAL                  | REPORT<br>LIMIT | UNITS                     | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|---------------------------------------|-------------|-----------------------|-----------------|---------------------------|--------------------|-------------------|
| <b>LOW-LEVEL PAHS - 8270D</b>         |             | <b>Method:SW8270</b>  |                 | Prep:SW3511 / 02-Nov-2022 |                    | Analyst: MBG      |
| <b>1-Methylnaphthalene</b>            | <b>133</b>  | n                     | <b>10.2</b>     | <b>ug/L</b>               | 100                | 10-Nov-2022 19:04 |
| <b>2-Methylnaphthalene</b>            | <b>113</b>  |                       | <b>10.2</b>     | <b>ug/L</b>               | 100                | 10-Nov-2022 19:04 |
| Acenaphthene                          | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| <b>Acenaphthylene</b>                 | <b>1.50</b> |                       | <b>0.102</b>    | <b>ug/L</b>               | 1                  | 09-Nov-2022 16:49 |
| Anthracene                            | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Benz(a)anthracene                     | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Benzo(a)pyrene                        | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Benzo(b)fluoranthene                  | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Benzo(g,h,i)perylene                  | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Benzo(k)fluoranthene                  | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Chrysene                              | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Dibenz(a,h)anthracene                 | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Fluoranthene                          | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| <b>Fluorene</b>                       | <b>7.93</b> |                       | <b>0.102</b>    | <b>ug/L</b>               | 1                  | 09-Nov-2022 16:49 |
| Indeno(1,2,3-cd)pyrene                | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| <b>Naphthalene</b>                    | <b>79.2</b> |                       | <b>1.02</b>     | <b>ug/L</b>               | 10                 | 10-Nov-2022 18:42 |
| <b>Phenanthrene</b>                   | <b>21.2</b> |                       | <b>1.02</b>     | <b>ug/L</b>               | 10                 | 10-Nov-2022 18:42 |
| Pyrene                                | ND          |                       | 0.102           | ug/L                      | 1                  | 09-Nov-2022 16:49 |
| Surr: 2-Fluorobiphenyl                | 68.6        |                       | 32-130          | %REC                      | 1                  | 09-Nov-2022 16:49 |
| Surr: 2-Fluorobiphenyl                | 109         |                       | 32-130          | %REC                      | 10                 | 10-Nov-2022 18:42 |
| Surr: 2-Fluorobiphenyl                | 0           | JS                    | 32-130          | %REC                      | 100                | 10-Nov-2022 19:04 |
| Surr: 4-Terphenyl-d14                 | 53.4        |                       | 40-135          | %REC                      | 1                  | 09-Nov-2022 16:49 |
| Surr: 4-Terphenyl-d14                 | 67.6        |                       | 40-135          | %REC                      | 10                 | 10-Nov-2022 18:42 |
| Surr: 4-Terphenyl-d14                 | 0           | JS                    | 40-135          | %REC                      | 100                | 10-Nov-2022 19:04 |
| Surr: Nitrobenzene-d5                 | 101         |                       | 45-142          | %REC                      | 1                  | 09-Nov-2022 16:49 |
| Surr: Nitrobenzene-d5                 | 196         | S                     | 45-142          | %REC                      | 10                 | 10-Nov-2022 18:42 |
| Surr: Nitrobenzene-d5                 | 0           | JS                    | 45-142          | %REC                      | 100                | 10-Nov-2022 19:04 |
| <b>DISSOLVED GASES BY RSK-175</b>     |             | <b>Method:RSK-175</b> |                 | Analyst: SAM              |                    |                   |
| Ethane                                | ND          |                       | 50.0            | ug/L                      | 50                 | 04-Nov-2022 12:29 |
| Ethene                                | ND          |                       | 50.0            | ug/L                      | 50                 | 04-Nov-2022 12:29 |
| <b>Methane</b>                        | <b>957</b>  |                       | <b>25.0</b>     | <b>ug/L</b>               | 50                 | 04-Nov-2022 12:29 |
| <b>TOTAL ORGANIC CARBON BY E415.1</b> |             | <b>Method:E415.1</b>  |                 | Analyst: JAC              |                    |                   |
| Organic Carbon, Total                 | ND          |                       | 10.0            | mg/L                      | 10                 | 07-Nov-2022 22:09 |

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

## ALS Houston, US

Date: 11-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2J28003  
 Sample ID: 2J28003-06  
 Collection Date: 27-Oct-2022 15:13

## ANALYTICAL REPORT

WorkOrder: HS22110020  
 Lab ID: HS22110020-06  
 Matrix: Water

| ANALYSES                              | RESULT       | QUAL                   | REPORT<br>LIMIT | UNITS                      | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|---------------------------------------|--------------|------------------------|-----------------|----------------------------|--------------------|-------------------|
| <b>LOW-LEVEL PAHS - 8270D</b>         |              | <b>Method: SW8270</b>  |                 | Prep: SW3511 / 02-Nov-2022 |                    | Analyst: MBG      |
| <b>1-Methylnaphthalene</b>            | <b>134</b>   | n                      | <b>10.3</b>     | <b>ug/L</b>                | 100                | 10-Nov-2022 19:49 |
| <b>2-Methylnaphthalene</b>            | <b>102</b>   |                        | <b>10.3</b>     | <b>ug/L</b>                | 100                | 10-Nov-2022 19:49 |
| Acenaphthene                          | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| <b>Acenaphthylene</b>                 | <b>2.02</b>  |                        | <b>0.103</b>    | <b>ug/L</b>                | 1                  | 09-Nov-2022 17:11 |
| Anthracene                            | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Benz(a)anthracene                     | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Benzo(a)pyrene                        | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Benzo(b)fluoranthene                  | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Benzo(g,h,i)perylene                  | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Benzo(k)fluoranthene                  | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Chrysene                              | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Dibenz(a,h)anthracene                 | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Fluoranthene                          | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| <b>Fluorene</b>                       | <b>7.91</b>  |                        | <b>0.103</b>    | <b>ug/L</b>                | 1                  | 09-Nov-2022 17:11 |
| Indeno(1,2,3-cd)pyrene                | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| <b>Naphthalene</b>                    | <b>123</b>   |                        | <b>10.3</b>     | <b>ug/L</b>                | 100                | 10-Nov-2022 19:49 |
| <b>Phenanthrene</b>                   | <b>15.5</b>  |                        | <b>1.03</b>     | <b>ug/L</b>                | 10                 | 10-Nov-2022 19:26 |
| Pyrene                                | ND           |                        | 0.103           | ug/L                       | 1                  | 09-Nov-2022 17:11 |
| Surr: 2-Fluorobiphenyl                | 107          |                        | 32-130          | %REC                       | 1                  | 09-Nov-2022 17:11 |
| Surr: 2-Fluorobiphenyl                | 132          | S                      | 32-130          | %REC                       | 10                 | 10-Nov-2022 19:26 |
| Surr: 2-Fluorobiphenyl                | 0            | JS                     | 32-130          | %REC                       | 100                | 10-Nov-2022 19:49 |
| Surr: 4-Terphenyl-d14                 | 88.2         |                        | 40-135          | %REC                       | 10                 | 10-Nov-2022 19:26 |
| Surr: 4-Terphenyl-d14                 | 102          |                        | 40-135          | %REC                       | 1                  | 09-Nov-2022 17:11 |
| Surr: 4-Terphenyl-d14                 | 0            | JS                     | 40-135          | %REC                       | 100                | 10-Nov-2022 19:49 |
| Surr: Nitrobenzene-d5                 | 161          | S                      | 45-142          | %REC                       | 10                 | 10-Nov-2022 19:26 |
| Surr: Nitrobenzene-d5                 | 0            | JS                     | 45-142          | %REC                       | 100                | 10-Nov-2022 19:49 |
| Surr: Nitrobenzene-d5                 | 120          |                        | 45-142          | %REC                       | 1                  | 09-Nov-2022 17:11 |
| <b>DISSOLVED GASES BY RSK-175</b>     |              | <b>Method: RSK-175</b> |                 | Analyst: SAM               |                    |                   |
| Ethane                                | ND           |                        | 200             | ug/L                       | 200                | 04-Nov-2022 12:48 |
| Ethene                                | ND           |                        | 200             | ug/L                       | 200                | 04-Nov-2022 12:48 |
| <b>Methane</b>                        | <b>3,310</b> |                        | <b>100</b>      | <b>ug/L</b>                | 200                | 04-Nov-2022 12:48 |
| <b>TOTAL ORGANIC CARBON BY E415.1</b> |              | <b>Method: E415.1</b>  |                 | Analyst: JAC               |                    |                   |
| <b>Organic Carbon, Total</b>          | <b>17.4</b>  |                        | <b>10.0</b>     | <b>mg/L</b>                | 10                 | 07-Nov-2022 22:48 |

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

## ALS Houston, US

Date: 11-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2J28003  
 Sample ID: 2J28003-07  
 Collection Date: 27-Oct-2022 16:47

## ANALYTICAL REPORT

WorkOrder: HS22110020  
 Lab ID: HS22110020-07  
 Matrix: Water

| ANALYSES                      | RESULT      | QUAL                  | REPORT<br>LIMIT | UNITS                      | DILUTION<br>FACTOR | DATE<br>ANALYZED  |
|-------------------------------|-------------|-----------------------|-----------------|----------------------------|--------------------|-------------------|
| <b>LOW-LEVEL PAHS - 8270D</b> |             | <b>Method: SW8270</b> |                 | Prep: SW3511 / 02-Nov-2022 |                    | Analyst: MBG      |
| <b>1-Methylnaphthalene</b>    | <b>133</b>  | n                     | <b>10.9</b>     | <b>ug/L</b>                | 100                | 10-Nov-2022 20:33 |
| <b>2-Methylnaphthalene</b>    | <b>92.2</b> |                       | <b>1.09</b>     | <b>ug/L</b>                | 10                 | 10-Nov-2022 20:11 |
| Acenaphthene                  | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| <b>Acenaphthylene</b>         | <b>1.20</b> |                       | <b>0.109</b>    | <b>ug/L</b>                | 1                  | 09-Nov-2022 17:34 |
| Anthracene                    | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Benz(a)anthracene             | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Benzo(a)pyrene                | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Benzo(b)fluoranthene          | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Benzo(g,h,i)perylene          | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Benzo(k)fluoranthene          | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Chrysene                      | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Dibenz(a,h)anthracene         | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Fluoranthene                  | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| <b>Fluorene</b>               | <b>6.44</b> |                       | <b>0.109</b>    | <b>ug/L</b>                | 1                  | 09-Nov-2022 17:34 |
| Indeno(1,2,3-cd)pyrene        | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| <b>Naphthalene</b>            | <b>63.4</b> |                       | <b>1.09</b>     | <b>ug/L</b>                | 10                 | 10-Nov-2022 20:11 |
| <b>Phenanthrene</b>           | <b>16.8</b> |                       | <b>1.09</b>     | <b>ug/L</b>                | 10                 | 10-Nov-2022 20:11 |
| Pyrene                        | ND          |                       | 0.109           | ug/L                       | 1                  | 09-Nov-2022 17:34 |
| Surr: 2-Fluorobiphenyl        | 110         |                       | 32-130          | %REC                       | 1                  | 09-Nov-2022 17:34 |
| Surr: 2-Fluorobiphenyl        | 249         | S                     | 32-130          | %REC                       | 10                 | 10-Nov-2022 20:11 |
| Surr: 2-Fluorobiphenyl        | 0           | JS                    | 32-130          | %REC                       | 100                | 10-Nov-2022 20:33 |
| Surr: 4-Terphenyl-d14         | 155         | S                     | 40-135          | %REC                       | 10                 | 10-Nov-2022 20:11 |
| Surr: 4-Terphenyl-d14         | 0           | JS                    | 40-135          | %REC                       | 100                | 10-Nov-2022 20:33 |
| Surr: 4-Terphenyl-d14         | 202         | S                     | 40-135          | %REC                       | 1                  | 09-Nov-2022 17:34 |
| Surr: Nitrobenzene-d5         | 206         | S                     | 45-142          | %REC                       | 1                  | 09-Nov-2022 17:34 |
| Surr: Nitrobenzene-d5         | 555         | S                     | 45-142          | %REC                       | 10                 | 10-Nov-2022 20:11 |
| Surr: Nitrobenzene-d5         | 0           | JS                    | 45-142          | %REC                       | 100                | 10-Nov-2022 20:33 |

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

Weight / Prep Log

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

|                         |                                      |                                    |
|-------------------------|--------------------------------------|------------------------------------|
| <b>Batch ID:</b> 185634 | <b>Start Date:</b> 02 Nov 2022 01:00 | <b>End Date:</b> 02 Nov 2022 15:30 |
| <b>Method:</b> SW3511   | <b>Prep Code:</b> 3511_PAH           |                                    |

| Sample ID     | Container | Sample Wt/Vol | Final Volume | Prep Factor |             |
|---------------|-----------|---------------|--------------|-------------|-------------|
| HS22110020-05 |           | 32.51 (mL)    | 2 (mL)       | 0.06152     | 40 mL Amber |
| HS22110020-06 |           | 32.08 (mL)    | 2 (mL)       | 0.06234     | 40 mL Amber |
| HS22110020-07 |           | 30.23 (mL)    | 2 (mL)       | 0.06616     | 40 mL Amber |

ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                                   | Leachate Date | Prep Date         | Analysis Date        | DF  |
|--------------------------------|----------------|---------------------------------------------------|---------------|-------------------|----------------------|-----|
| <b>Batch ID:</b> 185634 ( 0 )  |                | <b>Test Name :</b> LOW-LEVEL PAHS - 8270D         |               |                   | <b>Matrix:</b> Water |     |
| HS22110020-05                  | 2J28003-05     | 27 Oct 2022 14:23                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 19:04    | 100 |
| HS22110020-05                  | 2J28003-05     | 27 Oct 2022 14:23                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 18:42    | 10  |
| HS22110020-05                  | 2J28003-05     | 27 Oct 2022 14:23                                 |               | 02 Nov 2022 11:00 | 09 Nov 2022 16:49    | 1   |
| HS22110020-06                  | 2J28003-06     | 27 Oct 2022 15:13                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 19:49    | 100 |
| HS22110020-06                  | 2J28003-06     | 27 Oct 2022 15:13                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 19:26    | 10  |
| HS22110020-06                  | 2J28003-06     | 27 Oct 2022 15:13                                 |               | 02 Nov 2022 11:00 | 09 Nov 2022 17:11    | 1   |
| HS22110020-07                  | 2J28003-07     | 27 Oct 2022 16:47                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 20:33    | 100 |
| HS22110020-07                  | 2J28003-07     | 27 Oct 2022 16:47                                 |               | 02 Nov 2022 11:00 | 10 Nov 2022 20:11    | 10  |
| HS22110020-07                  | 2J28003-07     | 27 Oct 2022 16:47                                 |               | 02 Nov 2022 11:00 | 09 Nov 2022 17:34    | 1   |
| <b>Batch ID:</b> R421144 ( 0 ) |                | <b>Test Name :</b> DISSOLVED GASES BY RSK-175     |               |                   | <b>Matrix:</b> Water |     |
| HS22110020-01                  | 2J28003-01     | 27 Oct 2022 10:53                                 |               |                   | 04 Nov 2022 11:09    | 1   |
| HS22110020-02                  | 2J28003-02     | 25 Oct 2022 11:35                                 |               |                   | 04 Nov 2022 12:12    | 20  |
| HS22110020-03                  | 2J28003-03     | 25 Oct 2022 12:11                                 |               |                   | 04 Nov 2022 11:38    | 1   |
| HS22110020-04                  | 2J28003-04     | 25 Oct 2022 13:28                                 |               |                   | 04 Nov 2022 12:21    | 20  |
| HS22110020-05                  | 2J28003-05     | 27 Oct 2022 14:23                                 |               |                   | 04 Nov 2022 12:29    | 50  |
| HS22110020-06                  | 2J28003-06     | 27 Oct 2022 15:13                                 |               |                   | 04 Nov 2022 12:48    | 200 |
| <b>Batch ID:</b> R421297 ( 0 ) |                | <b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1 |               |                   | <b>Matrix:</b> Water |     |
| HS22110020-01                  | 2J28003-01     | 27 Oct 2022 10:53                                 |               |                   | 07 Nov 2022 21:17    | 10  |
| HS22110020-02                  | 2J28003-02     | 25 Oct 2022 11:35                                 |               |                   | 07 Nov 2022 21:30    | 10  |
| HS22110020-03                  | 2J28003-03     | 25 Oct 2022 12:11                                 |               |                   | 07 Nov 2022 21:43    | 10  |
| HS22110020-04                  | 2J28003-04     | 25 Oct 2022 13:28                                 |               |                   | 07 Nov 2022 21:56    | 10  |
| HS22110020-05                  | 2J28003-05     | 27 Oct 2022 14:23                                 |               |                   | 07 Nov 2022 22:09    | 10  |
| HS22110020-06                  | 2J28003-06     | 27 Oct 2022 15:13                                 |               |                   | 07 Nov 2022 22:48    | 10  |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: R421144 ( 0 ) |                        | Instrument: FID-4 |         | Method: DISSOLVED GASES BY RSK-175 |      |               |               |      |                |
|-------------------------|------------------------|-------------------|---------|------------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>             | Sample ID: MBLK-221104 | Units: ug/L       |         | Analysis Date: 04-Nov-2022 08:02   |      |               |               |      |                |
| Client ID:              | Run ID: FID-4_421144   | SeqNo: 6965171    |         | 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             |         |                                    |      |               |               |      |                |

| <b>LCS</b> | Sample ID: LCS-221104 | Units: ug/L    |         | Analysis Date: 04-Nov-2022 07:20 |      |               |               |      |                |
|------------|-----------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_421144  | SeqNo: 6965167 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | 21.21                 | 1.00           | 18.04   | 0                                | 118  | 75 - 125      |               |      |                |
| Ethene     | 19.3                  | 1.00           | 16.8    | 0                                | 115  | 75 - 125      |               |      |                |
| Methane    | 8.298                 | 0.500          | 9.647   | 0                                | 86.0 | 75 - 125      |               |      |                |

| <b>LCS</b> | Sample ID: LCS-221104 | Units: ug/L    |         | Analysis Date: 04-Nov-2022 08:13 |      |               |               |      |                |
|------------|-----------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID: | Run ID: FID-4_421144  | SeqNo: 6965172 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte    | Result                | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane     | 21.68                 | 1.00           | 18.04   | 0                                | 120  | 75 - 125      |               |      |                |
| Ethene     | 19.74                 | 1.00           | 16.8    | 0                                | 118  | 75 - 125      |               |      |                |
| Methane    | 8.928                 | 0.500          | 9.647   | 0                                | 92.5 | 75 - 125      |               |      |                |

| <b>LCSD</b> | Sample ID: LCSD-221104 | Units: ug/L    |         | Analysis Date: 04-Nov-2022 07:28 |      |               |               |      |                |
|-------------|------------------------|----------------|---------|----------------------------------|------|---------------|---------------|------|----------------|
| Client ID:  | Run ID: FID-4_421144   | SeqNo: 6965168 |         | PrepDate:                        |      | DF: 1         |               |      |                |
| Analyte     | Result                 | PQL            | SPK Val | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value | %RPD | RPD Limit Qual |
| Ethane      | 21.94                  | 1.00           | 18.04   | 0                                | 122  | 75 - 125      | 21.21         | 3.41 | 30             |
| Ethene      | 19.65                  | 1.00           | 16.8    | 0                                | 117  | 75 - 125      | 19.3          | 1.77 | 30             |
| Methane     | 9.209                  | 0.500          | 9.647   | 0                                | 95.5 | 75 - 125      | 8.298         | 10.4 | 30             |



## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: R421144 ( 0 )                            |        | Instrument: FID-4      |         | Method: DISSOLVED GASES BY RSK-175 |      |                                  |               |          |                |
|----------------------------------------------------|--------|------------------------|---------|------------------------------------|------|----------------------------------|---------------|----------|----------------|
| LCSD                                               |        | Sample ID: LCSD-221104 |         | Units: ug/L                        |      | Analysis Date: 04-Nov-2022 07:42 |               |          |                |
| Client ID:                                         |        | Run ID: FID-4_421144   |         | SeqNo: 6965169                     |      | PrepDate:                        |               | DF: 1    |                |
| Analyte                                            | Result | PQL                    | SPK Val | SPK Ref Value                      | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Ethane                                             | 21.59  | 1.00                   | 18.04   | 0                                  | 120  | 75 - 125                         | 21.21         | 1.79     | 30             |
| Ethene                                             | 20.27  | 1.00                   | 16.8    | 0                                  | 121  | 75 - 125                         | 19.3          | 4.87     | 30             |
| Methane                                            | 9.486  | 0.500                  | 9.647   | 0                                  | 98.3 | 75 - 125                         | 8.298         | 13.4     | 30             |
| LCSD                                               |        | Sample ID: LCSD-221104 |         | Units: ug/L                        |      | Analysis Date: 04-Nov-2022 08:22 |               |          |                |
| Client ID:                                         |        | Run ID: FID-4_421144   |         | SeqNo: 6965173                     |      | PrepDate:                        |               | DF: 1    |                |
| Analyte                                            | Result | PQL                    | SPK Val | SPK Ref Value                      | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Ethane                                             | 21.95  | 1.00                   | 18.04   | 0                                  | 122  | 75 - 125                         | 21.21         | 3.45     | 30             |
| Ethene                                             | 19.7   | 1.00                   | 16.8    | 0                                  | 117  | 75 - 125                         | 19.3          | 2.04     | 30             |
| Methane                                            | 8.727  | 0.500                  | 9.647   | 0                                  | 90.5 | 75 - 125                         | 8.298         | 5.05     | 30             |
| LCSD                                               |        | Sample ID: LCSD-221104 |         | Units: ug/L                        |      | Analysis Date: 04-Nov-2022 07:52 |               |          |                |
| Client ID:                                         |        | Run ID: FID-4_421144   |         | SeqNo: 6965170                     |      | PrepDate:                        |               | DF: 1    |                |
| Analyte                                            | Result | PQL                    | SPK Val | SPK Ref Value                      | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Ethane                                             | 22.07  | 1.00                   | 18.04   | 0                                  | 122  | 75 - 125                         | 21.21         | 3.98     | 30             |
| Ethene                                             | 19.9   | 1.00                   | 16.8    | 0                                  | 118  | 75 - 125                         | 19.3          | 3.05     | 30             |
| Methane                                            | 9.439  | 0.500                  | 9.647   | 0                                  | 97.8 | 75 - 125                         | 8.298         | 12.9     | 30             |
| The following samples were analyzed in this batch: |        |                        |         |                                    |      |                                  |               |          |                |
| HS22110020-01                                      |        | HS22110020-02          |         | HS22110020-03                      |      | HS22110020-04                    |               |          |                |
| HS22110020-05                                      |        | HS22110020-06          |         |                                    |      |                                  |               |          |                |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: 185634 ( 0 ) |                               | Instrument: SV-6      |         | Method: LOW-LEVEL PAHS - 8270D          |      |               |               |      |                |
|------------------------|-------------------------------|-----------------------|---------|-----------------------------------------|------|---------------|---------------|------|----------------|
| <b>MBLK</b>            | Sample ID: <b>MBLK-185634</b> | Units: <b>ug/L</b>    |         | Analysis Date: <b>09-Nov-2022 12:56</b> |      |               |               |      |                |
| Client ID:             | Run ID: <b>SV-6_421568</b>    | SeqNo: <b>6974927</b> |         | PrepDate: <b>02-Nov-2022</b>            |      | DF: <b>1</b>  |               |      |                |
| 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 | 3.39                          | 0.100                 | 3.03    | 0                                       | 112  | 32 - 130      |               |      |                |
| Surr: 4-Terphenyl-d14  | 3.211                         | 0.100                 | 3.03    | 0                                       | 106  | 40 - 135      |               |      |                |
| Surr: Nitrobenzene-d5  | 3.662                         | 0.100                 | 3.03    | 0                                       | 121  | 45 - 142      |               |      |                |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: 185634 ( 0 ) |        | Instrument: SV-6             |         | Method: LOW-LEVEL PAHS - 8270D |      |                                         |               |              |                |
|------------------------|--------|------------------------------|---------|--------------------------------|------|-----------------------------------------|---------------|--------------|----------------|
| <b>LCS</b>             |        | Sample ID: <b>LCS-185634</b> |         | Units: <b>ug/L</b>             |      | Analysis Date: <b>09-Nov-2022 13:19</b> |               |              |                |
| Client ID:             |        | Run ID: <b>SV-6_421568</b>   |         | SeqNo: <b>6974928</b>          |      | PrepDate: <b>02-Nov-2022</b>            |               | DF: <b>1</b> |                |
| Analyte                | Result | PQL                          | SPK Val | SPK Ref Value                  | %REC | Control Limit                           | RPD Ref Value | %RPD         | RPD Limit Qual |
| 1-Methylnaphthalene    | 1.891  | 0.100                        | 3.03    | 0                              | 62.4 | 40 - 140                                |               |              |                |
| 2-Methylnaphthalene    | 1.931  | 0.100                        | 3.03    | 0                              | 63.7 | 40 - 140                                |               |              |                |
| Acenaphthene           | 1.827  | 0.100                        | 3.03    | 0                              | 60.3 | 40 - 140                                |               |              |                |
| Acenaphthylene         | 1.886  | 0.100                        | 3.03    | 0                              | 62.3 | 40 - 140                                |               |              |                |
| Anthracene             | 1.961  | 0.100                        | 3.03    | 0                              | 64.7 | 40 - 140                                |               |              |                |
| Benz(a)anthracene      | 2.165  | 0.100                        | 3.03    | 0                              | 71.4 | 40 - 140                                |               |              |                |
| Benzo(a)pyrene         | 1.589  | 0.100                        | 3.03    | 0                              | 52.4 | 40 - 140                                |               |              |                |
| Benzo(b)fluoranthene   | 2.017  | 0.100                        | 3.03    | 0                              | 66.6 | 40 - 140                                |               |              |                |
| Benzo(g,h,i)perylene   | 1.809  | 0.100                        | 3.03    | 0                              | 59.7 | 40 - 140                                |               |              |                |
| Benzo(k)fluoranthene   | 1.903  | 0.100                        | 3.03    | 0                              | 62.8 | 40 - 140                                |               |              |                |
| Chrysene               | 1.931  | 0.100                        | 3.03    | 0                              | 63.7 | 40 - 140                                |               |              |                |
| Dibenz(a,h)anthracene  | 1.88   | 0.100                        | 3.03    | 0                              | 62.0 | 40 - 140                                |               |              |                |
| Fluoranthene           | 1.728  | 0.100                        | 3.03    | 0                              | 57.0 | 40 - 140                                |               |              |                |
| Fluorene               | 1.826  | 0.100                        | 3.03    | 0                              | 60.3 | 40 - 140                                |               |              |                |
| Indeno(1,2,3-cd)pyrene | 1.961  | 0.100                        | 3.03    | 0                              | 64.7 | 40 - 140                                |               |              |                |
| Naphthalene            | 1.839  | 0.100                        | 3.03    | 0                              | 60.7 | 40 - 140                                |               |              |                |
| Phenanthrene           | 1.819  | 0.100                        | 3.03    | 0                              | 60.0 | 40 - 140                                |               |              |                |
| Pyrene                 | 1.838  | 0.100                        | 3.03    | 0                              | 60.7 | 40 - 140                                |               |              |                |
| Surr: 2-Fluorobiphenyl | 2.037  | 0.100                        | 3.03    | 0                              | 67.2 | 32 - 130                                |               |              |                |
| Surr: 4-Terphenyl-d14  | 2.159  | 0.100                        | 3.03    | 0                              | 71.2 | 40 - 135                                |               |              |                |
| Surr: Nitrobenzene-d5  | 2.186  | 0.100                        | 3.03    | 0                              | 72.1 | 45 - 142                                |               |              |                |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: 185634 ( 0 ) |        | Instrument: SV-6           |         | Method: LOW-LEVEL PAHS - 8270D |      |                                  |               |       |                |
|------------------------|--------|----------------------------|---------|--------------------------------|------|----------------------------------|---------------|-------|----------------|
| <b>MS</b>              |        | Sample ID: HS22101602-10MS |         | Units: ug/L                    |      | Analysis Date: 09-Nov-2022 14:05 |               |       |                |
| Client ID:             |        | Run ID: SV-6_421568        |         | SeqNo: 6974930                 |      | PrepDate: 02-Nov-2022            |               | DF: 1 |                |
| Analyte                | Result | PQL                        | SPK Val | SPK Ref Value                  | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit Qual |
| 1-Methylnaphthalene    | 2.602  | 0.105                      | 3.186   | 0                              | 81.7 | 40 - 140                         |               |       |                |
| 2-Methylnaphthalene    | 2.585  | 0.105                      | 3.186   | 0                              | 81.1 | 40 - 140                         |               |       |                |
| Acenaphthene           | 2.429  | 0.105                      | 3.186   | 0                              | 76.2 | 40 - 140                         |               |       |                |
| Acenaphthylene         | 2.548  | 0.105                      | 3.186   | 0                              | 80.0 | 40 - 140                         |               |       |                |
| Anthracene             | 2.273  | 0.105                      | 3.186   | 0                              | 71.3 | 40 - 140                         |               |       |                |
| Benz(a)anthracene      | 3.061  | 0.105                      | 3.186   | 0                              | 96.1 | 40 - 140                         |               |       |                |
| Benzo(a)pyrene         | 1.774  | 0.105                      | 3.186   | 0                              | 55.7 | 40 - 140                         |               |       |                |
| Benzo(b)fluoranthene   | 2.051  | 0.105                      | 3.186   | 0                              | 64.4 | 40 - 140                         |               |       |                |
| Benzo(g,h,i)perylene   | 1.9    | 0.105                      | 3.186   | 0                              | 59.6 | 40 - 140                         |               |       |                |
| Benzo(k)fluoranthene   | 1.864  | 0.105                      | 3.186   | 0                              | 58.5 | 40 - 140                         |               |       |                |
| Chrysene               | 2.078  | 0.105                      | 3.186   | 0                              | 65.2 | 40 - 140                         |               |       |                |
| Dibenz(a,h)anthracene  | 1.617  | 0.105                      | 3.186   | 0                              | 50.7 | 40 - 140                         |               |       |                |
| Fluoranthene           | 2.541  | 0.105                      | 3.186   | 0                              | 79.7 | 40 - 140                         |               |       |                |
| Fluorene               | 2.485  | 0.105                      | 3.186   | 0                              | 78.0 | 40 - 140                         |               |       |                |
| Indeno(1,2,3-cd)pyrene | 1.699  | 0.105                      | 3.186   | 0                              | 53.3 | 40 - 140                         |               |       |                |
| Naphthalene            | 2.449  | 0.105                      | 3.186   | 0                              | 76.9 | 40 - 140                         |               |       |                |
| Phenanthrene           | 2.43   | 0.105                      | 3.186   | 0                              | 76.3 | 40 - 140                         |               |       |                |
| Pyrene                 | 2.308  | 0.105                      | 3.186   | 0                              | 72.4 | 40 - 140                         |               |       |                |
| Surr: 2-Fluorobiphenyl | 2.851  | 0.105                      | 3.186   | 0                              | 89.5 | 32 - 130                         |               |       |                |
| Surr: 4-Terphenyl-d14  | 2.286  | 0.105                      | 3.186   | 0                              | 71.7 | 40 - 135                         |               |       |                |
| Surr: Nitrobenzene-d5  | 3.199  | 0.105                      | 3.186   | 0                              | 100  | 45 - 142                         |               |       |                |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: 185634 ( 0 )                             |        | Instrument: SV-6            |         | Method: LOW-LEVEL PAHS - 8270D |      |                                  |               |       |           |      |
|----------------------------------------------------|--------|-----------------------------|---------|--------------------------------|------|----------------------------------|---------------|-------|-----------|------|
| <b>MSD</b>                                         |        | Sample ID: HS22101602-10MSD |         | Units: ug/L                    |      | Analysis Date: 09-Nov-2022 14:29 |               |       |           |      |
| Client ID:                                         |        | Run ID: SV-6_421568         |         | SeqNo: 6974931                 |      | PrepDate: 02-Nov-2022            |               | DF: 1 |           |      |
| Analyte                                            | Result | PQL                         | SPK Val | SPK Ref Value                  | %REC | Control Limit                    | RPD Ref Value | %RPD  | RPD Limit | Qual |
| 1-Methylnaphthalene                                | 2.716  | 0.105                       | 3.195   | 0                              | 85.0 | 40 - 140                         | 2.602         | 4.29  | 25        |      |
| 2-Methylnaphthalene                                | 2.696  | 0.105                       | 3.195   | 0                              | 84.4 | 40 - 140                         | 2.585         | 4.21  | 25        |      |
| Acenaphthene                                       | 2.553  | 0.105                       | 3.195   | 0                              | 79.9 | 40 - 140                         | 2.429         | 4.97  | 25        |      |
| Acenaphthylene                                     | 2.709  | 0.105                       | 3.195   | 0                              | 84.8 | 40 - 140                         | 2.548         | 6.13  | 25        |      |
| Anthracene                                         | 2.903  | 0.105                       | 3.195   | 0                              | 90.9 | 40 - 140                         | 2.273         | 24.3  | 25        |      |
| Benz(a)anthracene                                  | 3.764  | 0.105                       | 3.195   | 0                              | 118  | 40 - 140                         | 3.061         | 20.6  | 25        |      |
| Benzo(a)pyrene                                     | 1.648  | 0.105                       | 3.195   | 0                              | 51.6 | 40 - 140                         | 1.774         | 7.38  | 25        |      |
| Benzo(b)fluoranthene                               | 1.899  | 0.105                       | 3.195   | 0                              | 59.4 | 40 - 140                         | 2.051         | 7.71  | 25        |      |
| Benzo(g,h,i)perylene                               | 2.045  | 0.105                       | 3.195   | 0                              | 64.0 | 40 - 140                         | 1.9           | 7.37  | 25        |      |
| Benzo(k)fluoranthene                               | 2.005  | 0.105                       | 3.195   | 0                              | 62.8 | 40 - 140                         | 1.864         | 7.32  | 25        |      |
| Chrysene                                           | 2.262  | 0.105                       | 3.195   | 0                              | 70.8 | 40 - 140                         | 2.078         | 8.46  | 25        |      |
| Dibenz(a,h)anthracene                              | 1.893  | 0.105                       | 3.195   | 0                              | 59.3 | 40 - 140                         | 1.617         | 15.8  | 25        |      |
| Fluoranthene                                       | 2.629  | 0.105                       | 3.195   | 0                              | 82.3 | 40 - 140                         | 2.541         | 3.43  | 25        |      |
| Fluorene                                           | 2.6    | 0.105                       | 3.195   | 0                              | 81.4 | 40 - 140                         | 2.485         | 4.54  | 25        |      |
| Indeno(1,2,3-cd)pyrene                             | 1.741  | 0.105                       | 3.195   | 0                              | 54.5 | 40 - 140                         | 1.699         | 2.41  | 25        |      |
| Naphthalene                                        | 2.587  | 0.105                       | 3.195   | 0                              | 81.0 | 40 - 140                         | 2.449         | 5.46  | 25        |      |
| Phenanthrene                                       | 2.621  | 0.105                       | 3.195   | 0                              | 82.0 | 40 - 140                         | 2.43          | 7.54  | 25        |      |
| Pyrene                                             | 2.575  | 0.105                       | 3.195   | 0                              | 80.6 | 40 - 140                         | 2.308         | 10.9  | 25        |      |
| Surr: 2-Fluorobiphenyl                             | 2.962  | 0.105                       | 3.195   | 0                              | 92.7 | 32 - 130                         | 2.851         | 3.82  | 25        |      |
| Surr: 4-Terphenyl-d14                              | 2.384  | 0.105                       | 3.195   | 0                              | 74.6 | 40 - 135                         | 2.286         | 4.21  | 25        |      |
| Surr: Nitrobenzene-d5                              | 3.39   | 0.105                       | 3.195   | 0                              | 106  | 45 - 142                         | 3.199         | 5.79  | 25        |      |
| The following samples were analyzed in this batch: |        |                             |         |                                |      |                                  |               |       |           |      |
| HS22110020-05                                      |        | HS22110020-06               |         | HS22110020-07                  |      |                                  |               |       |           |      |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

## QC BATCH REPORT

| Batch ID: R421297 ( 0 )                            |                            | Instrument: TOC_04 |         | Method: TOTAL ORGANIC CARBON BY E415.1 |                                  |               |               |               |           |               |
|----------------------------------------------------|----------------------------|--------------------|---------|----------------------------------------|----------------------------------|---------------|---------------|---------------|-----------|---------------|
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| MBLK                                               | Sample ID: MBLK-11072022   | Units: mg/L        |         |                                        | Analysis Date: 07-Nov-2022 20:08 |               |               |               |           |               |
| Client ID:                                         | Run ID: TOC_04_421297      | SeqNo: 6968198     |         | 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-11072022    | Units: mg/L        |         |                                        | Analysis Date: 07-Nov-2022 20:21 |               |               |               |           |               |
| Client ID:                                         | Run ID: TOC_04_421297      | SeqNo: 6968199     |         | PrepDate:                              |                                  | DF: 1         |               |               |           |               |
| Analyte                                            | Result                     | PQL                | SPK Val | SPK Ref Value                          | %REC                             | Control Limit | RPD Ref Value | %RPD          | RPD Limit | Qual          |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| Organic Carbon, Total                              | 10.89                      | 1.00               | 10      | 0                                      | 109                              | 85 - 115      |               |               |           |               |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| LCSD                                               | Sample ID: LCSD-11072022   | Units: mg/L        |         |                                        | Analysis Date: 07-Nov-2022 20:35 |               |               |               |           |               |
| Client ID:                                         | Run ID: TOC_04_421297      | SeqNo: 6968200     |         | PrepDate:                              |                                  | DF: 1         |               |               |           |               |
| Analyte                                            | Result                     | PQL                | SPK Val | SPK Ref Value                          | %REC                             | Control Limit | RPD Ref Value | %RPD          | RPD Limit | Qual          |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| Organic Carbon, Total                              | 10.91                      | 1.00               | 10      | 0                                      | 109                              | 85 - 115      | 10.89         | 0.183         | 20        |               |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| MS                                                 | Sample ID: HS22110003-01MS | Units: mg/L        |         |                                        | Analysis Date: 07-Nov-2022 21:04 |               |               |               |           |               |
| Client ID:                                         | Run ID: TOC_04_421297      | SeqNo: 6968202     |         | PrepDate:                              |                                  | DF: 1         |               |               |           |               |
| Analyte                                            | Result                     | PQL                | SPK Val | SPK Ref Value                          | %REC                             | Control Limit | RPD Ref Value | %RPD          | RPD Limit | Qual          |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| Organic Carbon, Total                              | 38.15                      | 1.00               | 10      | 26.77                                  | 114                              | 80 - 120      |               |               |           |               |
|                                                    |                            |                    |         |                                        |                                  |               |               |               |           |               |
| The following samples were analyzed in this batch: |                            |                    |         | HS22110020-01                          |                                  | HS22110020-02 |               | HS22110020-03 |           | HS22110020-04 |
|                                                    |                            |                    |         | HS22110020-05                          |                                  | HS22110020-06 |               |               |           |               |

## ALS Houston, US

Date: 11-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2J28003  
**WorkOrder:** HS22110020

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>                                                        |
|------------------|---------------------------------------------------------------------------|
| *                | 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                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| 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: 11-Nov-22

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

---

| Agency          | Number             | Expire Date |
|-----------------|--------------------|-------------|
| Arkansas        | 22-041-0           | 27-Mar-2023 |
| California      | 2919 2022-2023     | 30-Apr-2023 |
| Dept of Defense | L21-682            | 31-Dec-2023 |
| Florida         | E87611-36          | 30-Jun-2023 |
| Illinois        | 2000322022-9       | 09-May-2023 |
| Kansas          | E-10352; 2022-2023 | 31-Jul-2023 |
| Kentucky        | 123043, 2022-2023  | 30-Apr-2023 |
| Louisiana       | 03087, 2022-2023   | 30-Jun-2023 |
| Maryland        | 343, 2022-2023     | 30-Jun-2023 |
| North Carolina  | 624-2022           | 31-Dec-2022 |
| North Dakota    | R-193 2022-2023    | 30-Apr-2023 |
| Oklahoma        | 2022-141           | 31-Aug-2023 |
| Texas           | T104704231-22-29   | 30-Apr-2023 |
| Utah            | TX026932022-13     | 31-Jul-2023 |



## ALS Houston, US

Date: 11-Nov-22

## Sample Receipt Checklist

Work Order ID: HS22110020

Date/Time Received: 01-Nov-2022 09:35

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

| Completed By: /S/ Paresh M. Giga | 01-Nov-2022 12:44 | Reviewed by: /S/ Anna Kinchen | 03-Nov-2022 15:14 |
|----------------------------------|-------------------|-------------------------------|-------------------|
| eSignature                       | Date/Time         | eSignature                    | Date/Time         |

Matrices: WaterCarrier name: ALS Courier

|                                                         |                                         |                                        |                                                 |
|---------------------------------------------------------|-----------------------------------------|----------------------------------------|-------------------------------------------------|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | COC IDs:none                                    |
| Samplers name present on COC?                           | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |                                                 |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |                                                 |
| Temperature(s)/Thermometer(s):                          | 1.6C/1.4C U/C IR31                      |                                        |                                                 |
| Cooler(s)/Kit(s):                                       | White                                   |                                        |                                                 |
| Date/Time sample(s) sent to storage:                    | 11/1/22 12:55                           |                                        |                                                 |
| Water - VOA vials have zero headspace?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/>                    |
| pH adjusted?                                            | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted by:                                         |                                         |                                        |                                                 |

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235  
PBELAB SUB COC V2

Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A

**HS22110020**

Permian Basin Environmental Lab, LP  
2J28003



**Project Name:** SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: [brentbarron@pbelab.com](mailto:brentbarron@pbelab.com)

| LAB # (lab use only)          |  | Date     |       | Time         | Received by: | Date    | Time  |
|-------------------------------|--|----------|-------|--------------|--------------|---------|-------|
| Relinquished by: Brent Barron |  | 10/31/22 | 17:00 |              |              | 11/1/22 | 09:35 |
| Relinquished by:              |  | Date     | Time  | Received by: | Date         | Time    |       |
| Relinquished by:              |  | Date     | Time  | Received by: | Date         | Time    |       |

| LAB # (lab use only) |  | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | ICE | HNO <sub>3</sub> 250 poly 1 | HCl 3.40mL VOA | H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY | NaOH /Ascorbic Acid 250ML P | Na <sub>2</sub> O <sub>3</sub> | NONE | NONE 3 AMBER VOA VIALS | Matrix |
|----------------------|--|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|-----------------------------|----------------|----------------------------------------------------|-----------------------------|--------------------------------|------|------------------------|--------|
|                      |  | 2J28003-01 |                 |              | 10/27/2022   | 10:53        |                | 4                      | X   | X                           | X              |                                                    |                             |                                |      |                        | W      |
|                      |  | 2J28003-02 |                 |              | 10/25/2022   | 11:35        |                | 4                      | X   | X                           | X              |                                                    |                             |                                |      |                        | W      |
|                      |  | 2J28003-03 |                 |              | 10/25/2022   | 12:11        |                | 4                      | X   | X                           | X              |                                                    |                             |                                |      |                        | W      |
|                      |  | 2J28003-04 |                 |              | 10/25/2022   | 13:28        |                | 4                      | X   | X                           | X              |                                                    |                             |                                |      |                        | W      |
|                      |  | 2J28003-05 |                 |              | 10/27/2022   | 14:23        |                | 4                      | X   | X                           | X              |                                                    |                             |                                | X    |                        | W      |
|                      |  | 2J28003-06 |                 |              | 10/27/2022   | 15:13        |                | 4                      | X   | X                           | X              |                                                    |                             |                                | X    |                        | W      |
|                      |  | 2J28003-07 |                 |              | 10/27/2022   | 16:47        |                | 3                      | X   |                             |                |                                                    |                             |                                | X    |                        | W      |

Preservation & # of Containers

Matrix

72 HOUR STANDARD

**SPECIAL INSTRUCTIONS:**

Relinquished by: Brent Barron

Relinquished by:

Relinquished by:

**Laboratory Comments:**

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered Y N

by Sampler/Client Rep. ? Y N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: °C

Received: °C

Adjusted: °C Factor

ORIGIN ID:MAEA (432) 586-7235  
BRENT BARRON  
PBE LAB  
1400 RANKIN HWY  
MIDLAND, TX 79701  
UNITED STATES US

SHIP DATE: 31OCT22  
ACTUAL: 31OCT22  
OCD: 187138945NET4530

BILL RECIPIENT

TO SAMPLE RECEIVING  
ALS-HOUSTON  
10450 STANCLIFF RD  
HOUSTON TX 77099

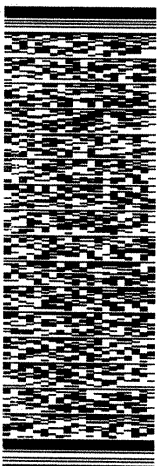
REF: (281) 530-5615  
DEPT: PO

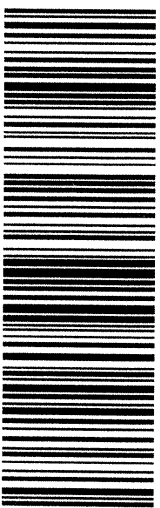
581J2454BFE2D

TRN# 7703 5616 1538  
0201

TUE - 01 NOV 4:30P  
STANDARD OVERNIGHT

AB SGRA  
TX-US IAH  
77099





After printing this label:

- 1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
- 2. Fold the printed page along the horizontal line.
- 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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



# Analytical Report

**Prepared for:**

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

Project: SPS-11  
Project Number: TNM SPS -11  
Location: Lea County, NM  
Lab Order Number: 2K02002



**Current Certification**

Report Date: 11/07/22

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received    |
|-----------|---------------|--------|----------------|------------------|
| MW-13     | 2K02002-01    | Water  | 10/26/22 14:40 | 11-02-2022 09:00 |
| MW-23     | 2K02002-02    | Water  | 10/26/22 15:08 | 11-02-2022 09:00 |
| MW-25     | 2K02002-03    | Water  | 10/26/22 15:36 | 11-02-2022 09:00 |
| MW-3      | 2K02002-04    | Water  | 10/26/22 16:20 | 11-02-2022 09:00 |
| MW-31     | 2K02002-05    | Water  | 10/27/22 15:55 | 11-02-2022 09:00 |
| MW-24     | 2K02002-06    | Water  | 10/27/22 16:16 | 11-02-2022 09:00 |
| MW-29     | 2K02002-07    | Water  | 10/28/22 11:02 | 11-02-2022 09:00 |
| MW-10     | 2K02002-08    | Water  | 10/28/22 11:27 | 11-02-2022 09:00 |
| MW-6      | 2K02002-09    | Water  | 10/28/22 12:10 | 11-02-2022 09:00 |
| MW-28     | 2K02002-10    | Water  | 10/28/22 12:33 | 11-02-2022 09:00 |
| MW-26     | 2K02002-11    | Water  | 10/28/22 12:50 | 11-02-2022 09:00 |

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-13****2K02002-01 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 95.5 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 88.0 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:09 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-23****2K02002-02 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 102 %  |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 88.0 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:31 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-25****2K02002-03 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 109 %  |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 87.2 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 15:53 | EPA 8021B |  |

Permian Basin Environmental Lab, L.P.

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10 Desta Dr STE 150E  
Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-3****2K02002-04 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 99.4 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 88.3 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:14 | EPA 8021B |  |

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-31****2K02002-05 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 104 %  |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 87.1 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:36 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-24****2K02002-06 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 102 %  |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 86.7 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 16:58 | EPA 8021B |  |

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10 Desta Dr STE 150E  
Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-29****2K02002-07 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Surrogate: 4-Bromofluorobenzene | 98.1 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |
| Surrogate: 1,4-Difluorobenzene  | 90.1 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 17:20 | EPA 8021B |

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|                               |                               |
|-------------------------------|-------------------------------|
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| 10 Desta Dr STE 150E          | Project Number: TNM SPS -11   |
| Midland TX, 79705             | Project Manager: Curt Stanley |

MW-10  
2K02002-08 (Water)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Permian Basin Environmental Lab, L.P.

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Organics by GC                  |        |         |        |   |         |                |                |           |  |
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 94.6 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 89.1 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 17:41 | EPA 8021B |  |

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10 Desta Dr STE 150E  
Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-6****2K02002-09 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 94.7 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 92.2 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 18:45 | EPA 8021B |  |

Permian Basin Environmental Lab, L.P.

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-28****2K02002-10 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                 |        |         |        |   |         |                |                |           |  |
|---------------------------------|--------|---------|--------|---|---------|----------------|----------------|-----------|--|
| Benzene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Toluene                         | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Ethylbenzene                    | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Xylene (p/m)                    | ND     | 0.00200 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Xylene (o)                      | ND     | 0.00100 | mg/L   | 1 | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Surrogate: 4-Bromofluorobenzene | 98.0 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |
| Surrogate: 1,4-Difluorobenzene  | 93.3 % |         | 80-120 |   | P2K0203 | 11/02/22 10:20 | 11/02/22 19:06 | EPA 8021B |  |

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Midland TX, 79705

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

**MW-26****2K02002-11 (Water)**

| Analyte | Result | Reporting<br>Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|--------------------|-------|----------|-------|----------|----------|--------|-------|

**Permian Basin Environmental Lab, L.P.****Organics by GC**

|                                        |                |         |               |   |                |                       |                       |                  |  |
|----------------------------------------|----------------|---------|---------------|---|----------------|-----------------------|-----------------------|------------------|--|
| <b>Benzene</b>                         | <b>0.00880</b> | 0.00100 | mg/L          | 1 | P2K0203        | 11/02/22 10:20        | 11/02/22 19:28        | EPA 8021B        |  |
| <b>Toluene</b>                         | <b>0.00812</b> | 0.00100 | mg/L          | 1 | P2K0203        | 11/02/22 10:20        | 11/02/22 19:28        | EPA 8021B        |  |
| <b>Ethylbenzene</b>                    | <b>0.00483</b> | 0.00100 | mg/L          | 1 | P2K0203        | 11/02/22 10:20        | 11/02/22 19:28        | EPA 8021B        |  |
| <b>Xylene (p/m)</b>                    | <b>0.00335</b> | 0.00200 | mg/L          | 1 | P2K0203        | 11/02/22 10:20        | 11/02/22 19:28        | EPA 8021B        |  |
| <b>Xylene (o)</b>                      | <b>0.00217</b> | 0.00100 | mg/L          | 1 | P2K0203        | 11/02/22 10:20        | 11/02/22 19:28        | EPA 8021B        |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>86.4 %</i>  |         | <i>80-120</i> |   | <i>P2K0203</i> | <i>11/02/22 10:20</i> | <i>11/02/22 19:28</i> | <i>EPA 8021B</i> |  |
| <i>Surrogate: 1,4-Difluorobenzene</i>  | <i>86.7 %</i>  |         | <i>80-120</i> |   | <i>P2K0203</i> | <i>11/02/22 10:20</i> | <i>11/02/22 19:28</i> | <i>EPA 8021B</i> |  |

Permian Basin Environmental Lab, L.P.

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

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

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2K0203-BLK1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | ND    | 0.00100 | mg/L |       |  |      |        |  |  |  |
| Toluene                         | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | ND    | 0.00200 | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | ND    | 0.00100 | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.112 |         | "    | 0.120 |  | 93.5 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.106 |         | "    | 0.120 |  | 88.0 | 80-120 |  |  |  |

**LCS (P2K0203-BS1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |     |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene                         | 0.104 | 0.00100 | mg/L | 0.100 |  | 104 | 80-120 |  |  |  |
| Toluene                         | 0.106 | 0.00100 | "    | 0.100 |  | 106 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.120 | 0.00100 | "    | 0.100 |  | 120 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.233 | 0.00200 | "    | 0.200 |  | 117 | 80-120 |  |  |  |
| Xylene (o)                      | 0.103 | 0.00100 | "    | 0.100 |  | 103 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.135 |         | "    | 0.120 |  | 113 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.121 |         | "    | 0.120 |  | 101 | 80-120 |  |  |  |

**LCS Dup (P2K0203-BSD1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |      |        |       |    |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|-------|----|--|
| Benzene                         | 0.104 | 0.00100 | mg/L | 0.100 |  | 104  | 80-120 | 0.452 | 20 |  |
| Toluene                         | 0.109 | 0.00100 | "    | 0.100 |  | 109  | 80-120 | 2.35  | 20 |  |
| Ethylbenzene                    | 0.116 | 0.00100 | "    | 0.100 |  | 116  | 80-120 | 3.57  | 20 |  |
| Xylene (p/m)                    | 0.238 | 0.00200 | "    | 0.200 |  | 119  | 80-120 | 2.05  | 20 |  |
| Xylene (o)                      | 0.103 | 0.00100 | "    | 0.100 |  | 103  | 80-120 | 0.301 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.138 |         | "    | 0.120 |  | 115  | 80-120 |       |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |  | 99.7 | 80-120 |       |    |  |

**Calibration Blank (P2K0203-CCB1)**

Prepared & Analyzed: 11/02/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.150 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.370 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.480 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.16  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.660 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.113 |  | "    | 0.120 |  | 94.2 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.106 |  | "    | 0.120 |  | 88.5 | 80-120 |  |  |  |

Permian Basin Environmental Lab, L.P.

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

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

Project: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2K0203-CCB2)**

Prepared & Analyzed: 11/02/22

|                                 |       |  |      |       |  |      |        |  |  |  |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.220 |  | ug/l |       |  |      |        |  |  |  |
| Toluene                         | 0.380 |  | "    |       |  |      |        |  |  |  |
| Ethylbenzene                    | 0.460 |  | "    |       |  |      |        |  |  |  |
| Xylene (p/m)                    | 1.16  |  | "    |       |  |      |        |  |  |  |
| Xylene (o)                      | 0.570 |  | "    |       |  |      |        |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.123 |  | "    | 0.120 |  | 102  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.110 |  | "    | 0.120 |  | 91.8 | 80-120 |  |  |  |

**Calibration Check (P2K0203-CCV1)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |     |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene                         | 0.114 | 0.00100 | mg/L | 0.100 |  | 114 | 80-120 |  |  |  |
| Toluene                         | 0.115 | 0.00100 | "    | 0.100 |  | 115 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.115 | 0.00100 | "    | 0.100 |  | 115 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.239 | 0.00200 | "    | 0.200 |  | 120 | 80-120 |  |  |  |
| Xylene (o)                      | 0.110 | 0.00100 | "    | 0.100 |  | 110 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.129 |         | "    | 0.120 |  | 108 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.126 |         | "    | 0.120 |  | 105 | 80-120 |  |  |  |

**Calibration Check (P2K0203-CCV2)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |     |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene                         | 0.116 | 0.00100 | mg/L | 0.100 |  | 116 | 80-120 |  |  |  |
| Toluene                         | 0.111 | 0.00100 | "    | 0.100 |  | 111 | 80-120 |  |  |  |
| Ethylbenzene                    | 0.107 | 0.00100 | "    | 0.100 |  | 107 | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.220 | 0.00200 | "    | 0.200 |  | 110 | 80-120 |  |  |  |
| Xylene (o)                      | 0.101 | 0.00100 | "    | 0.100 |  | 101 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.126 |         | "    | 0.120 |  | 105 | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.120 |         | "    | 0.120 |  | 100 | 80-120 |  |  |  |

**Calibration Check (P2K0203-CCV3)**

Prepared & Analyzed: 11/02/22

|                                 |       |         |      |       |  |      |        |  |  |  |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene                         | 0.110 | 0.00100 | mg/L | 0.100 |  | 110  | 80-120 |  |  |  |
| Toluene                         | 0.107 | 0.00100 | "    | 0.100 |  | 107  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.109 | 0.00100 | "    | 0.100 |  | 109  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.225 | 0.00200 | "    | 0.200 |  | 113  | 80-120 |  |  |  |
| Xylene (o)                      | 0.100 | 0.00100 | "    | 0.100 |  | 100  | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.129 |         | "    | 0.120 |  | 108  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117 |         | "    | 0.120 |  | 97.4 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

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

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|

**Batch P2K0203 - \*\*\* DEFAULT PREP \*\*\***

**Matrix Spike (P2K0203-MS1)**

**Source: 2K02002-01**

**Prepared & Analyzed: 11/02/22**

|                                 |        |         |      |       |    |      |        |  |  |  |
|---------------------------------|--------|---------|------|-------|----|------|--------|--|--|--|
| Benzene                         | 0.106  | 0.00100 | mg/L | 0.100 | ND | 106  | 80-120 |  |  |  |
| Toluene                         | 0.104  | 0.00100 | "    | 0.100 | ND | 104  | 80-120 |  |  |  |
| Ethylbenzene                    | 0.113  | 0.00100 | "    | 0.100 | ND | 113  | 80-120 |  |  |  |
| Xylene (p/m)                    | 0.217  | 0.00200 | "    | 0.200 | ND | 108  | 80-120 |  |  |  |
| Xylene (o)                      | 0.0942 | 0.00100 | "    | 0.100 | ND | 94.2 | 80-120 |  |  |  |
| Surrogate: 4-Bromofluorobenzene | 0.129  |         | "    | 0.120 |    | 107  | 80-120 |  |  |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120 |    | 97.6 | 80-120 |  |  |  |

**Matrix Spike Dup (P2K0203-MSD1)**

**Source: 2K02002-01**

**Prepared & Analyzed: 11/02/22**

|                                 |        |         |      |       |    |      |        |      |    |  |
|---------------------------------|--------|---------|------|-------|----|------|--------|------|----|--|
| Benzene                         | 0.112  | 0.00100 | mg/L | 0.100 | ND | 112  | 80-120 | 5.72 | 20 |  |
| Toluene                         | 0.108  | 0.00100 | "    | 0.100 | ND | 108  | 80-120 | 4.35 | 20 |  |
| Ethylbenzene                    | 0.117  | 0.00100 | "    | 0.100 | ND | 117  | 80-120 | 3.53 | 20 |  |
| Xylene (p/m)                    | 0.222  | 0.00200 | "    | 0.200 | ND | 111  | 80-120 | 2.35 | 20 |  |
| Xylene (o)                      | 0.0965 | 0.00100 | "    | 0.100 | ND | 96.5 | 80-120 | 2.39 | 20 |  |
| Surrogate: 4-Bromofluorobenzene | 0.126  |         | "    | 0.120 |    | 105  | 80-120 |      |    |  |
| Surrogate: 1,4-Difluorobenzene  | 0.117  |         | "    | 0.120 |    | 97.4 | 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: SPS-11  
Project Number: TNM SPS -11  
Project Manager: Curt Stanley

### Notes and Definitions

ROI Received on Ice

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

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:

11/7/2022

Brent Barron, Laboratory Director/Technical Director

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

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

Permian Basin Environmental Lab, L.P.

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

**PBELAB**

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Page 1 of 2

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland/TX/79705

Telephone No.: (432)5207720

Sampler Signature: *[Signature]*

e-mail: cdstanley@trccompanies.com

cjbryant@paalp.com  
khudgens@paalp.com

Report Format:

☒ Standard☐ TRRP☐ NPDES

Project Name:

SPS-11

Project #:

SRS TNM SPS-11

Project Loc:

Lea County, NM

PO #:

(lab use only)  
ORDER #: ~~88~~ 2402002

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO <sub>3</sub> | HCl (3 VOA) | H <sub>2</sub> SO <sub>4</sub> | NaOH | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | None (3 Amber VOA) | Other (Specify) | DW=Drinking Water SL=Sludge<br>GW = Groundwater S=Soil/Solid<br>NP=Non-Potable Specify Other | Matrix | TOC MW 5310 | Dissolved Methane, Ethane, and Ethene by RSK-175 | Total Dissolved Metals (Fe and Mn) by SW 6010 | Nitrate and Sulfate by E300 | COD by SM 5310 | Total BTEX by 8260 | PAH by 8270 | Semivolatiles | BTEX 8021B/5030 or BTEX 8260 | RCI | N.O.R.M. | Chlorides E 300 | Paint Filter | TCLP Benzene | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT |  |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-------------|--------------------------------|------|-----------------------------------------------|--------------------|-----------------|----------------------------------------------------------------------------------------------|--------|-------------|--------------------------------------------------|-----------------------------------------------|-----------------------------|----------------|--------------------|-------------|---------------|------------------------------|-----|----------|-----------------|--------------|--------------|----------------------------------------|--------------|--|
| 1                    | MMW-13     |                 |              | 10-26-12     | 1440         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 2                    | MMW-23     |                 |              | 10-26-12     | 1508         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 3                    | MMW-25     |                 |              | 10-26-12     | 1536         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 4                    | MMW-3      |                 |              | 10-26-12     | 1620         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 5                    | MMW-31     |                 |              | 10-27-12     | 1555         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 6                    | MMW-24     |                 |              | 10-27-12     | 1616         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 7                    | MMW-29     |                 |              | 10-28-12     | 1102         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 8                    | MMW-10     |                 |              | 10-28-12     | 1187         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 9                    | MMW-6      |                 |              | 10-28-12     | 1210         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |
| 10                   | MMW-28     |                 |              | 10-28-12     | 1233         |                | 3                      | X   |                  | 3           |                                |      |                                               |                    |                 | GW                                                                                           |        |             |                                                  |                                               |                             |                |                    |             |               |                              |     |          |                 |              |              |                                        |              |  |

Special Instructions: Bill to Plains

Inquired by: *Maury* Date: 11-2-22 Time: 0900 Received by: *Shuna Bladen*Inquired by: *Maury* Date: 11-2-22 Time: 0900 Received by: *Shuna Bladen*Inquired by: *Maury* Date: 11-2-22 Time: 0900 Received by: *Shuna Bladen*Inquired by: *Maury* Date: 11-2-22 Time: 0900 Received by: *Shuna Bladen*

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headpace?

Labels on container(s)

Custody seals on container(s)

Sample Hand Delivered

by Counter? UPS DHL FedEx Lone Star

Received: 3:08

Adjusted: 4:08



**APPENDIX B:  
Release Notification and Corrective Action  
(NMOCD Form C-141)**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

## Release Notification and Corrective Action

### OPERATOR

x Initial Report ☐ Final Report

|                 |                                    |                |                  |
|-----------------|------------------------------------|----------------|------------------|
| Name of Company | Plains Pipeline, LP                | Contact:       | Camille Reynolds |
| Address:        | 3705 E. Hwy 158, Midland, TX 79706 | Telephone No.  | 505-441-0965     |
| Facility Name   | SPS #11                            | Facility Type: | Pipeline         |

|                                                |               |           |
|------------------------------------------------|---------------|-----------|
| Surface Owner:<br>New Mexico State Land Office | Mineral Owner | Lease No. |
|------------------------------------------------|---------------|-----------|

### LOCATION OF RELEASE

|                  |               |                 |              |               |                  |               |                |               |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|---------------|
| Unit Letter<br>F | Section<br>18 | Township<br>18S | Range<br>36E | Feet from the | North/South Line | Feet from the | East/West Line | County<br>Lea |
|------------------|---------------|-----------------|--------------|---------------|------------------|---------------|----------------|---------------|

**Latitude** 32 degrees 44' 50.3" **Longitude** 103 degrees 23' 36.5"

### NATURE OF RELEASE

|                                                                                                      |                                           |                            |
|------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|
| Type of Release:                                                                                     | Volume of Release:                        | Volume Recovered           |
| Source of Release:                                                                                   | Date and Hour of Occurrence<br>Unknown    | Date and Hour of Discovery |
| Was Immediate Notice Given?<br>Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          |                            |
| By Whom?                                                                                             | Date and Hour                             |                            |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    | If YES, Volume Impacting the Watercourse. |                            |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Describe Area Affected and Cleanup Action Taken.\*

**NOTE: Texas-New Mexico Pipeline was the owner/operator of the pipeline system at the time of the release, initial response information is unavailable .**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|                                      |                                  |                  |                                   |
|--------------------------------------|----------------------------------|------------------|-----------------------------------|
| Signature:                           | <u>OIL CONSERVATION DIVISION</u> |                  |                                   |
|                                      | Approved by District Supervisor: |                  |                                   |
| Printed Name: Camille Reynolds       |                                  |                  |                                   |
| Title: Remediation Coordinator       | Approval Date:                   | Expiration Date: |                                   |
| E-mail Address: cgreynolds@paalp.com | Conditions of Approval:          |                  | Attached <input type="checkbox"/> |
| Date: 3/21/2005                      | Phone: (505)441-0965             |                  |                                   |

\* Attach Additional Sheets If Necessary



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 201447

CONDITIONS

|                                                                                       |                                                                          |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>PLAINS MARKETING L.P.<br>333 Clay Street Suite 1900<br>Houston, TX 77002 | OGRID:<br>34053                                                          |
|                                                                                       | Action Number:<br>201447                                                 |
|                                                                                       | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                      | Condition Date |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | Review of the 2022 Annual Groundwater Monitoring Report for Plains Marketing TNM SPS-11 Site: Content Satisfactory. 1. Continue to groundwater monitor through 2023, continue to recover PSH on a bi-monthly basis. 2. Continue to conduct PAH analysis for MW-1, MW-4, MW-2, MW-7, and MW-11. 3. Submit the 2023 Annual GW Report by April 1, 2024. 4. Conduct low-flow sampling of MNA parameters as appropriate for listed wells in report. | 7/11/2023      |