TRC
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2020
ANNUAL MONITORING REPORT

APPROVED
By Nelson Velez at 2:00 pm, Jan 11, 2022

TNM 97-04
SE ¼ SE ¼ of SECTION 11, TOWNSHIP 16 SOUTH, RANGE 35 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: TNM 97-04
NMOCD Reference GW-0294
Incident # nAPP2109542446

Review of 2020 ANNUAL GROUNDWATER MONITORING REPORT:
Content satisfactory
Contractor anticipated actions approved by OCD and are as follows;
1. Continue operation of the Enhanced Recovery System during 2021
2. Continue collecting "post carbon" monthly effluent water samples for concentrations of NMWQCC metals
3. Continue with PSH recovery, quarterly groundwater monitoring/ sampling, and monthly Recovery System sampling in 2021
Submit the Annual Monitoring Report to the OCD no later than March 31, 2022

PREPARED FOR:

PLAINS MARKETING, L.P.
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PREPARED BY:

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

January 2021

Curt D. Stanley
Senior Project Manager

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2020 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, Inc. (NOVA). The TNM 97-04 Release Site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNMPL), 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 2020. However, historical data tables as well as 2020 laboratory analytical reports are provided in this report. A Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2020 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbons (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor and recovery wells, checking for the presence of PSH on the water column, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The Site is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNMPL by other environmental consultants. No other specifics concerning the release are currently available. The Release Notification and Corrective Action Form (C-141) is provided as Appendix B.

In November 2005, monitor wells MW-1 and MW-8 were plugged and abandoned with NMOCD approval. On August 9, 2006, monitor well MW-17 was plugged and abandoned with NMOCD approval.

In October 2009, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. In March 2009, Plains installed eight (8) air-sparging wells (AS-1 through AS-8) and three (3) recovery wells (RW-2, RW-3, and RW-4) at the Site as part of the Enhanced Recovery System (Recovery System). In April 2010, Plains completed the installation of the trailer mounted air-sparging system with ancillary air lines connected to the eight (8) sparging wells. Four (4) total fluid pumps were initially installed within the four (4), 4-inch diameter recovery wells (RW-1 through RW-4).

The Recovery System was initially commenced operation during the 3rd quarter of 2010. A Recovery System Start-Up Report documenting the activities was submitted to the NMOCD in May 2011.

There are currently fifteen (15) monitor wells (MW-2 through MW-7, MW-9 through MW-16, and MW-18), with the eight (8) air-sparging (AS-1 through AS-8), and four (4) recovery wells

(RW-1 through RW-4) on site. An NMOCD permitted infiltration gallery associated with the Recovery System is located on the northwest corner (upgradient) of the Site.

FIELD ACTIVITIES

Remediation Efforts

The Recovery System utilizes compressed air to power the eight (8) air-sparging wells along with six (6) total fluid pumps placed in recovery wells RW-1 through RW-4 and monitor wells MW-3 and MW-6. The total fluid pumps operate at a maximum pumping rate of approximately two (2) to three (3) gallons per minute (gpm) per well with a combined pumping rate of approximately twelve (12) to eighteen (18) gpm. Recovered oil and water is collected in a five hundred (500) barrel frac tank, where the recovered oil and water separate. Recovered groundwater is pumped to a large poly aeration tank to allow for the volatilization of the hydrocarbons. Groundwater is transferred through a three (3) bag particulate filter system prior to being pumped through two (2) 500-pound granulated activated carbon (GAC) filtration canisters. The treated groundwater is sampled from a post-carbon sample port on a monthly basis and is discharged under Discharge Permit GW-294 to an infiltration gallery located upgradient to the northwest of the release point.

The eight (8) air-sparging wells were each installed to a depth of approximately sixty-five (65) feet below ground surface (bgs) and operate at a pressure of approximately five (5) psi per well. The air-sparging array is designed to aerate the downgradient edge of the dissolved phase hydrocarbon plume while pressing the PSH plume upgradient toward the four (4) recovery wells (RW-1 through RW-4) and two (2) monitor wells (MW-3 and MW-6).

A measurable thickness of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2, through MW-6 and MW-9) and the four (4) recovery wells (RW-1 through RW-4) during all (4) quarters of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 1.68 feet. The maximum thickness of PSH in monitor wells and recovery wells was 3.24 feet as recorded in monitor well MW-5 on December 4, 2020. PSH data for the 2020 gauging events can be found in Table 1. Approximately 382.35 gallons (approximately 9.10 barrels) of PSH was recovered from the Site during the 2020 reporting period. During the 2020 reporting period, approximately 22,058 barrels of groundwater was treated utilizing the on-site Recovery System and re-injected into the infiltration gallery or removed from the separation frac tank and disposed of at an NMOCD approved disposal. A total of approximately 10,192.60 gallons (approximately 242.68 barrels) of PSH have been recovered since project inception.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended in correspondence dated June 22, 2005, May 5, 2006, and March 27, 2012.

NMOCD Approved Sampling Schedule							
MW-1	P&A	MW-8	P&A	MW-15	Quarterly	RW-3	Quarterly
MW-2	Quarterly	MW-9	Quarterly	MW-16	Annual	RW-4	Quarterly
MW-3	Quarterly	MW-10	Annual	MW-17	P&A		
MW-4	Quarterly	MW-11	Annual	MW-18	Quarterly		
MW-5	Quarterly	MW-12	Annual	RW-1	Quarterly		
MW-6	Quarterly	MW-13	Quarterly	RW-2	Quarterly		
MW-7	Annual	MW-14	Quarterly	RW-3	Quarterly		

The Site monitor wells were gauged and sampled on February 18, June 11, September 23, and December 4 and 24, 2020. 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.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during each quarterly sampling event of 2020, are depicted on the Inferred Groundwater Gradient Maps, Figures 2A-2D. Groundwater elevation data for 2020 is provided as Table 1. Historical groundwater elevation data beginning at project inception is summarized on Table 7.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0028 feet/foot to the southeast as measured between monitor well MW-10 and MW-13. Groundwater Gradient Maps generated during the 1st, 2nd, and 3rd quarters of the reporting period indicated a gradient of 0.0027 feet/foot in a southeast direction. The corrected groundwater elevations ranged between 3,921.39 and 3,922.06 feet above mean sea level, in monitor well MW-6 on December 4, 2020 and recovery well RW-1 on May 5, 2020, respectively.

LABORATORY RESULTS

Monitor and recovery well quarterly sampling activities

A measurable thickness of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9) and the four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) during all (4) quarters of the reporting period.

Groundwater samples obtained during all four (4) quarterly sampling events of 2020 were delivered to Permian Basin Environmental Laboratories, LP (PBE Lab) in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was not conducted during the 2020 calendar year due to the presence of PSH in required monitor and recovery wells. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above New Mexico Water Quality Control Commission (NMWQCC) Drinking

Water Standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. PAH analysis scheduled to be conducted during the 4th quarter sampling event on monitor wells MW-2, MW-3, MW-4, MW-5, and MW-9 and recovery wells RW-1 through RW-4 was suspended due to the presence of PSH. 2020 polynuclear aromatic hydrocarbon concentrations in groundwater is summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 9. A listing of 2020 BTEX concentrations in groundwater are summarized in Table 2 and historical BTEX concentrations in groundwater are summarized in Table 8. Copies of the laboratory reports generated for 2020 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-2 is monitored on a quarterly schedule. Monitor well MW-2 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.75 feet, 2.66 feet, 3.00 feet, and 3.02 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.23 feet, 1.70 feet, 2.07 feet, and 2.07 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-4 is monitored on a quarterly schedule. Monitor well MW-4 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.15 feet, 1.02 feet, 1.46 feet, and 1.68 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-5 is monitored on a quarterly schedule. Monitor well MW-5 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.76 feet, 3.08 feet, 3.17 feet, and 3.24 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-6 is monitored on a quarterly schedule. Monitor well MW-6 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.05 feet, 0.07 feet, 0.06 feet, and 0.06 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-7 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory Reporting Limit (RL) and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines

since the 3rd quarter of 2001. PAH analysis was not required in monitor well MW-7 based on historical PAH analytical data.

Monitor well MW-9 is monitored on a quarterly schedule. Monitor well MW-9 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.12 feet, 0.97 feet, 1.40 feet, and 1.63 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Monitor well MW-10 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required in monitor well MW-10 based on historical PAH analytical data.

Monitor well MW-11 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2004. PAH analysis was not required in monitor well MW-11 based on historical PAH analytical data.

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 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required in monitor well MW-12 based on historical PAH analytical data.

Monitor well MW-13 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 all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2nd quarter of 2012. PAH analysis was not required in monitor well MW-13 based on historical PAH analytical data.

Monitor well MW-14 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from less than the applicable laboratory RL during the 1st, 3rd, and 4th quarters to 0.00194 mg/L during the 2nd quarter of the reporting period. Benzene concentrations were below the NMOCD regulatory guidelines during the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1st, 3rd, and 4th quarters to 0.00180 mg/L during the 2nd quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1st, 3rd, and 4th quarters to 0.00198 mg/L during the 2nd quarter of 2020. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 3rd and 4th quarters to 0.00523 mg/L during the 2nd quarter of 2020. Xylene concentrations were below the NMOCD regulatory guidelines during

the reporting period. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 3rd quarter of 2011. PAH analysis was not required in monitor well MW-14 based on historical PAH analytical data.

Monitor well MW-15 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 all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2nd quarter of 2015. PAH analysis was not required in monitor well MW-15 based on historical PAH analytical data.

Monitor well MW-16 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2004. PAH analysis was not required in monitor well MW-16 based on historical PAH analytical data.

Monitor well MW-18 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 all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3rd quarter of 2009. PAH analysis was not required in monitor well MW-18 based on historical PAH analytical data.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.00 feet, 2.49 feet, 2.78 feet, and 2.46 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-2 is monitored on a quarterly schedule. Recovery well RW-2 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.21 feet, 0.39 feet, 0.06 feet, and 0.01 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-3 is monitored on a quarterly schedule. Recovery well RW-3 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.31 feet, 2.55 feet, 3.03 feet, and 3.01 feet were reported during the 1st, 2nd, 3rd, and 4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Recovery well RW-4 is monitored on a quarterly schedule. Recovery well RW-4 was not sampled during the 1st, 2nd, 3rd, and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.26 feet, 2.66 feet, 2.96 feet, and 2.96 feet were reported during the 1st, 2nd, 3rd, and

4th quarters of 2020, respectively. PAH analysis was not conducted during the 4th quarter sampling event due to the presence of PSH.

Effluent water sampling activities

As requested by the NMOCD in December 2019, post carbon water samples were collected and analyzed for concentrations of NMWQCC metals on a monthly schedule to ensure metals concentrations did not exceed the NMWQCC Drinking Water Standards.

During the 2020 reporting period, ten (10) post-carbon monthly water samples were collected and submitted to the laboratory for analysis of NMWQCC metals. A water sample was not collected in April, October or December 2020, due to maintenance or weather-related shutdowns.

The analytical results for the post-carbon water sample collected on November 3, 2020 indicated concentrations of total iron (1.03 mg/L) and total manganese (0.261 mg/L) exceeded the NMWQCC Drinking Water Standards of 1.0 mg/L and 0.2 mg/L, respectively. On receipt of the analytical results a confirmation post-carbon water sample was collected from the sample port on November 17, 2020. Following the collection of the water sample the Enhanced Recovery System was shutdown, pending receipt of the confirmation water sample analytical results. Please note, the sparging system remained operational following the system shut down to maintain downgradient control of the PSH plume.

The November 17, 2020, post-carbon water sample analytical results indicated all concentrations of analyzed metals were less than the NMWQCC Drinking Water Standards. The analytical results indicated total iron and total manganese concentrations were 0.249 mg/L and 0.0939 mg/L, respectively. Based on the analytical results of the November 17, 2020 sampling event, the Enhanced Recovery System was restarted. Please reference Table 4 for the 2020 NMWQCC Metals Concentrations in Effluent Groundwater and Table 10 for the historical NMWQCC Metals Concentrations in Effluent Groundwater.

Effluent water (post-carbon) samples were collected on January 23, 2020, February 28, 2020, March 25, 2020. May 26, 2020, June 18, 2020, July 14, 2020, August 25, 2020, September 29, 2020, November 3, 2020, and November 17, 2020 and delivered to Permian Basin Environmental Laboratories, in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B and PAH analysis using EPA Method 8270.

The analytical results of “post carbon” effluent water analysis indicated BTEX constituent concentrations were below the NMOCD regulatory guidelines during the ten (10) sampling events of the 2020 reporting period. Please reference Table 5 for a summary of 2020 BTEX concentrations in effluent groundwater and Table 11 for a summary of historical BTEX concentrations in effluent groundwater.

PAH analysis of ten (10) post-carbon effluent water samples indicated all PAH constituent concentrations were less than the applicable laboratory RL and NMWQCC Drinking Water Standards. Please reference Table 6 for a summary of 2020 polynuclear aromatic hydrocarbon

concentrations in effluent groundwater and Table 12 for a summary of polynuclear aromatic hydrocarbon concentrations in effluent groundwater.

Laboratory analytical results were compared to the NMOCD regulatory guidelines based on the New Mexico groundwater guidelines found in Section 20.6.2.3103 of the New Mexico Administrative Code.

SUMMARY

This report presents the results of monitoring activities for the 2020 annual monitoring period. There are currently fifteen (15) monitor wells (MW-2 through MW-7, and MW-9 through MW-16, and MW-18) and four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) on Site. The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0028 feet/foot to the southeast as measured between monitor well MW-10 and MW-13. Groundwater Gradient Maps generated during the 1st, 2nd, and 3rd quarters of the reporting period indicated a gradient of 0.0027 feet/foot in a southeast direction.

Monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9 and recovery wells RW-1 through RW-4 contained PSH throughout the reporting period and were not sampled during 1st, 2nd, 3rd, and 4th quarters of 2020.

The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 1.68 feet. The maximum thickness of PSH in monitor wells and recovery wells was 3.24 feet as recorded in monitor well MW-5 on December 4, 2020. PSH data for the gauging events can be found in Table 1. Approximately 382.35 gallons (approximately 9.10 barrels) of PSH was recovered from the Site during the 2020 reporting period. During the 2020 reporting period, approximately 22,058 barrels of groundwater was treated utilizing the on-site Recovery System and re-injected into the infiltration gallery or removed from the separation frac tank and disposed of at an NMOCD approved disposal. A total of approximately 10,192.60 gallons (approximately 242.68 barrels) of PSH have been recovered since project inception.

Review of the 4th quarter laboratory analytical results of groundwater samples indicated BTEX constituent concentrations are below the NMOCD regulatory guidelines in nine (9) of the nineteen (19) on-site monitor and recovery wells. PSH was observed in ten (10) of the monitor and recovery wells.

The analytical results indicated the on-site TNM 97-04 Sparging System has been effective in confining PSH and the dissolved phase hydrocarbon plume to the core of the TNM 97-04 Release Site. Down-gradient monitor wells (MW-15, MW-13, and MW-18) have not exhibited BTEX concentrations exceeding the NMOCD regulatory guidelines since the 2nd quarter of 2015.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was not conducted during the 2020 calendar year due to the presence of PSH in required monitor and recovery wells. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above New Mexico Water Quality Control Commission (NMWQCC) Drinking Water Standards are sampled, with the exclusion of those wells containing measurable PSH

thicknesses. PAH analysis scheduled to be conducted during the 4th quarter sampling event on monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-9 and recovery wells RW-1 through RW-4 was suspended due to the presence of PSH.

Effluent water (post-carbon) samples were collected on January 23, 2020, February 28, 2020, March 25, 2020. May 26, 2020, June 18, 2020, July 14, 2020, August 25, 2020, September 29, 2020, November 3, 2020, and November 17, 2020 and delivered to Permian Basin Environmental Laboratories, in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B and PAH analysis using EPA Method 8270.

The analytical results of "post carbon" effluent water analysis indicated BTEX constituent concentrations were below the NMOCD regulatory guidelines during the ten (10) sampling events of the 2020 reporting period.

PAH analysis of ten (10) post-carbon effluent water samples indicated all PAH constituent concentrations were less than the applicable laboratory RL and NMWQCC Drinking Water Standards.

ANTICIPATED ACTIONS

The Enhanced Recovery System will continue to operate during the 2021 reporting period. The system may be shut down for short durations of time to conduct routine maintenance and repairs. During adverse weather conditions, the system may be shut down as a safety precaution to protect the integrity of the system.

Due to NMWQCC metals exceedances and as required by the NMOCD, "post carbon" monthly effluent water samples will be analyzed for concentrations of NMWQCC metals. On receipt of the analytical results, any exceedances will be confirmed and if warranted, reported promptly to the NMOCD.

PSH recovery, quarterly groundwater monitoring and sampling and monthly Recovery System sampling will continue in 2021. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2022.

As the PSH plume thicknesses decreases, monitor and recovery wells which have historically exhibited elevated constituents near or above the NMWQCC Standards will be sampled for PAH, as necessary.

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 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 the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

DISTRIBUTION

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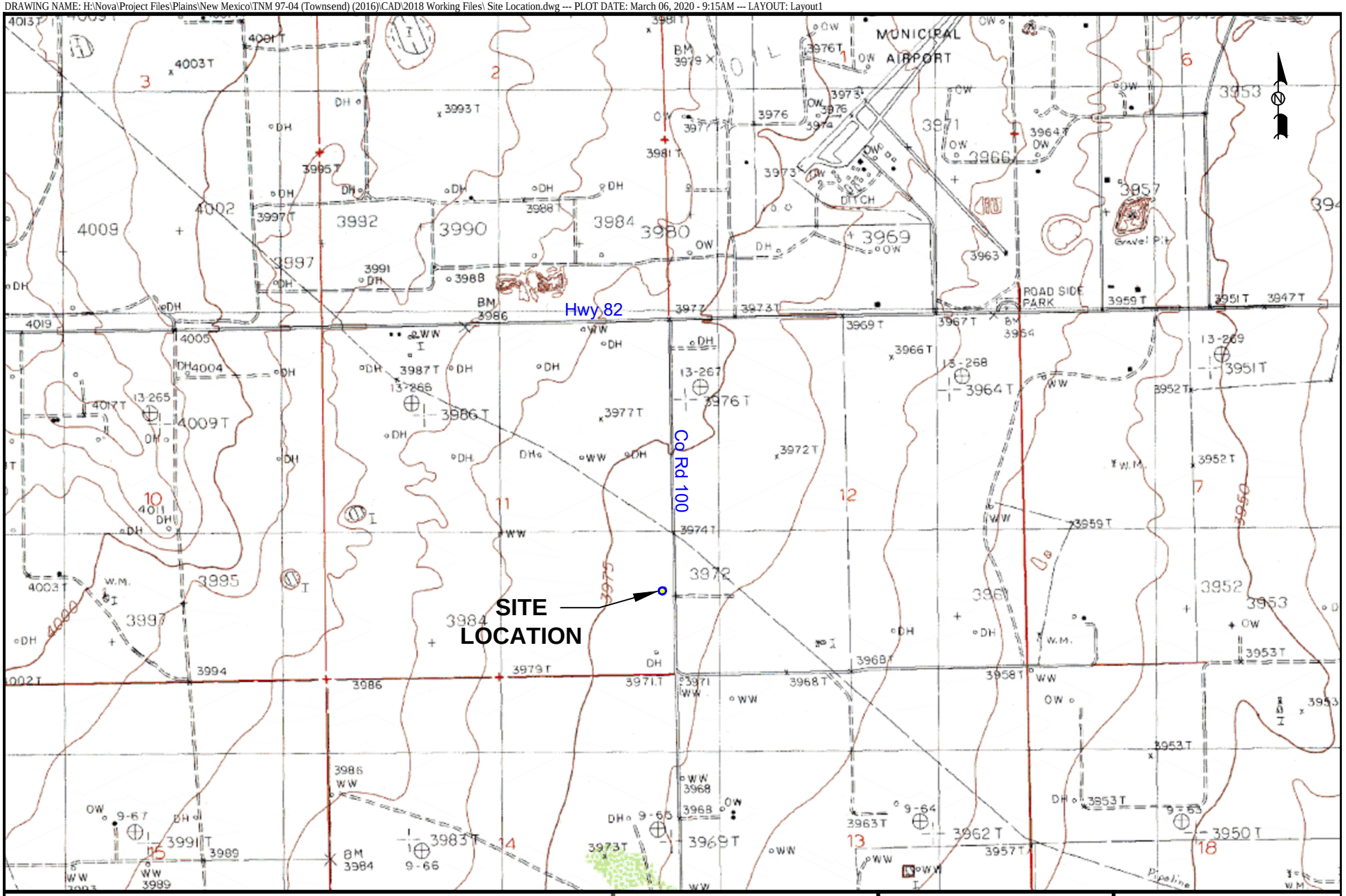
Figures

DRAWING NAME: H:\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2018 Working Files\ Site Location.dwg --- PLOT DATE: March 06, 2020 - 9:15AM --- LAYOUT: Layout1



LEGEND:

2000 1000 0 1000 2000

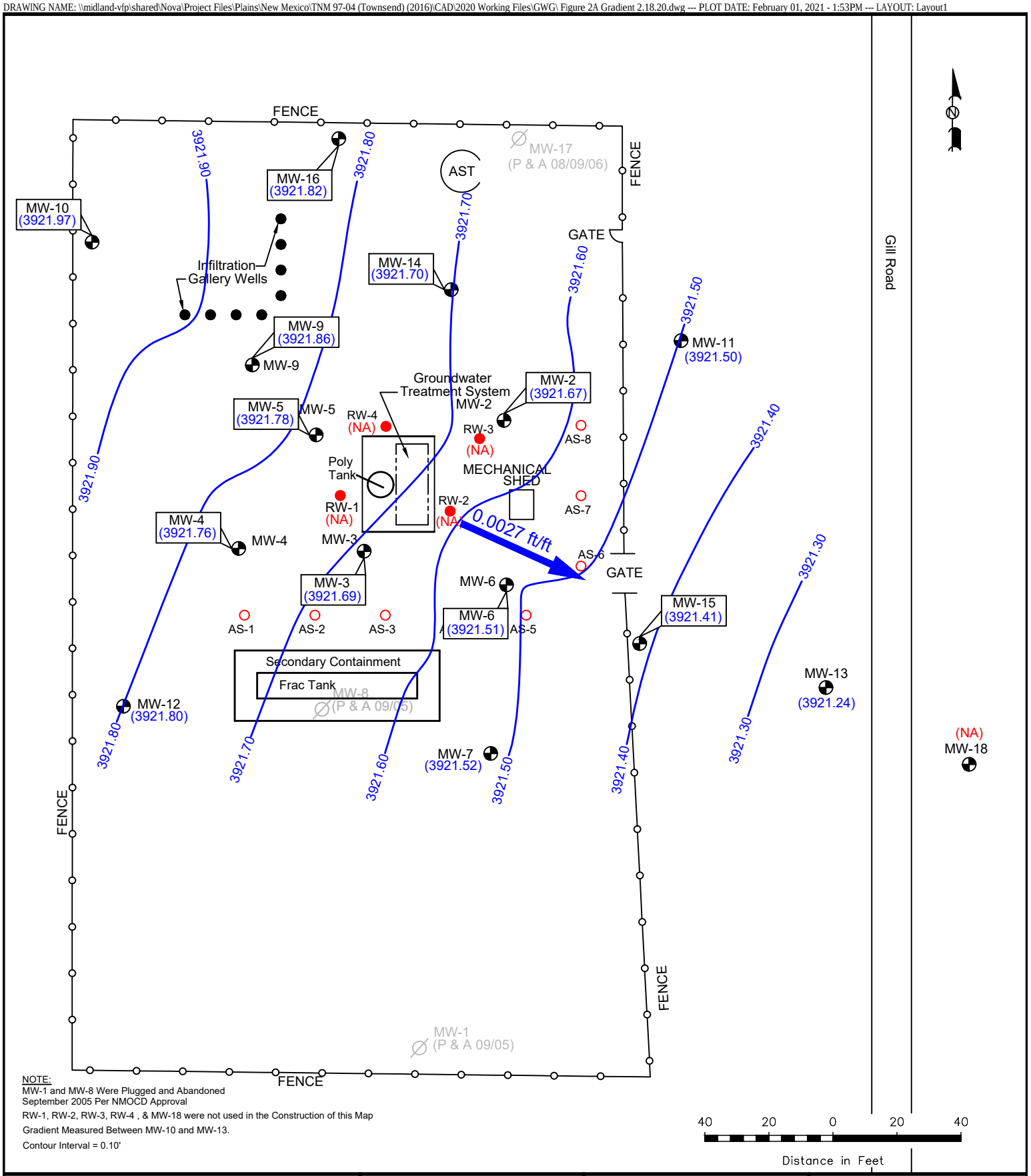
Distance in Feet

Figure 1
Site Location Map
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-294-0
Lea County, NM

Scale: 1" = 2000'	
CAD By: TA	Checked By: CS
Draft: March 10, 2016	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\GWG\ Figure 2A Gradient 2.18.20.dwg --- PLOT DATE: February 01, 2021 - 1:53PM --- LAYOUT: Layout1



NOTE:
MW-1 and MW-8 Were Plugged and Abandoned September 2005 Per NMOCD Approval
RW-1, RW-2, RW-3, RW-4 , & MW-18 were not used in the Construction of this Map
Gradient Measured Between MW-10 and MW-13.
Contour Interval = 0.10'

LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available

Figure 2A
Inferred Groundwater Gradient Map
(2/18/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: March 12, 2020	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

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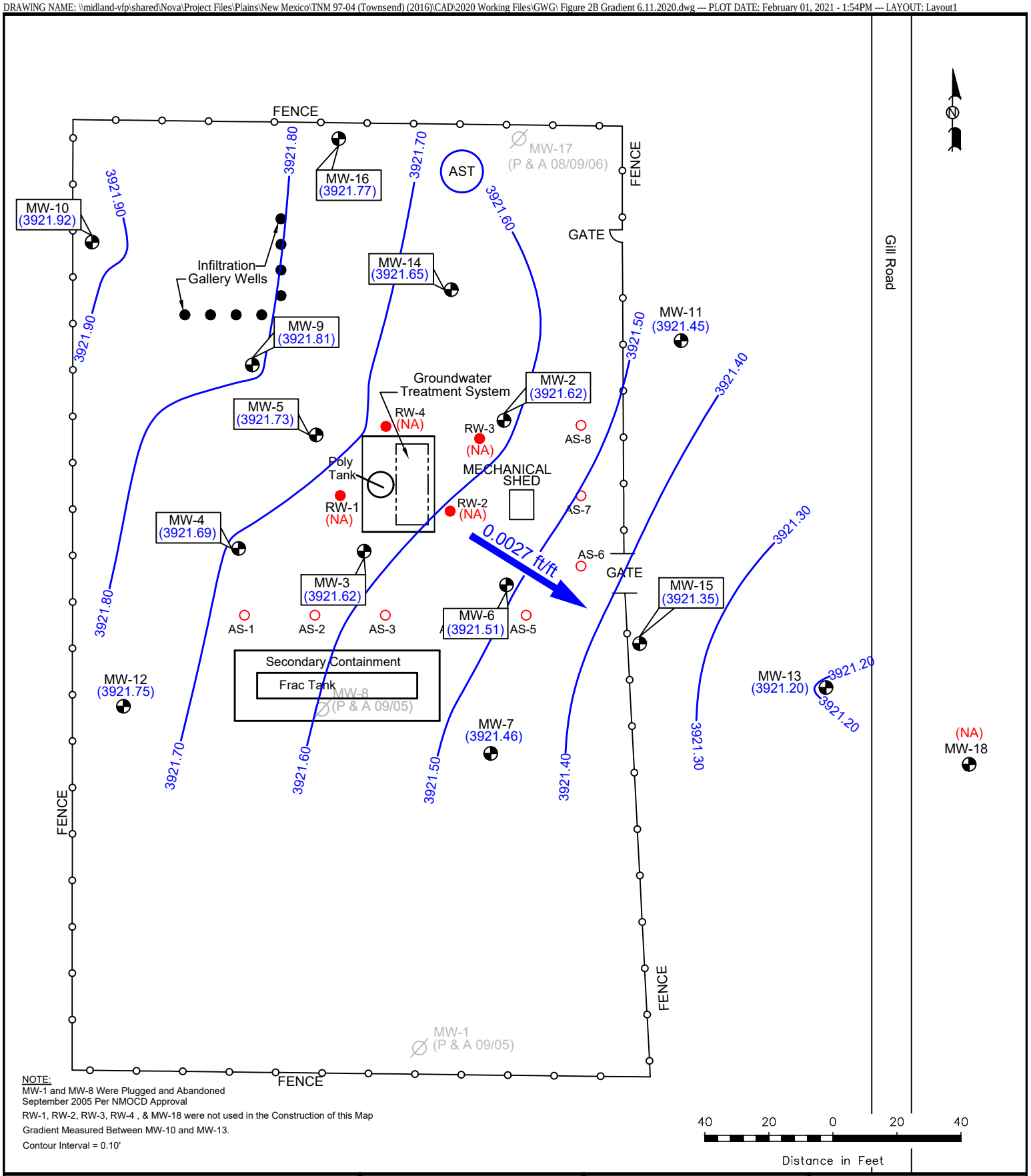
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\GWG\ Figure 2B Gradient 6.11.2020.dwg --- PLOT DATE: February 01, 2021 - 1:54PM --- LAYOUT: Layout1



NOTE:
MW-1 and MW-8 Were Plugged and Abandoned September 2005 Per NMOCD Approval
RW-1, RW-2, RW-3, RW-4 , & MW-18 were not used in the Construction of this Map
Gradient Measured Between MW-10 and MW-13.
Contour Interval = 0.10'

LEGEND:

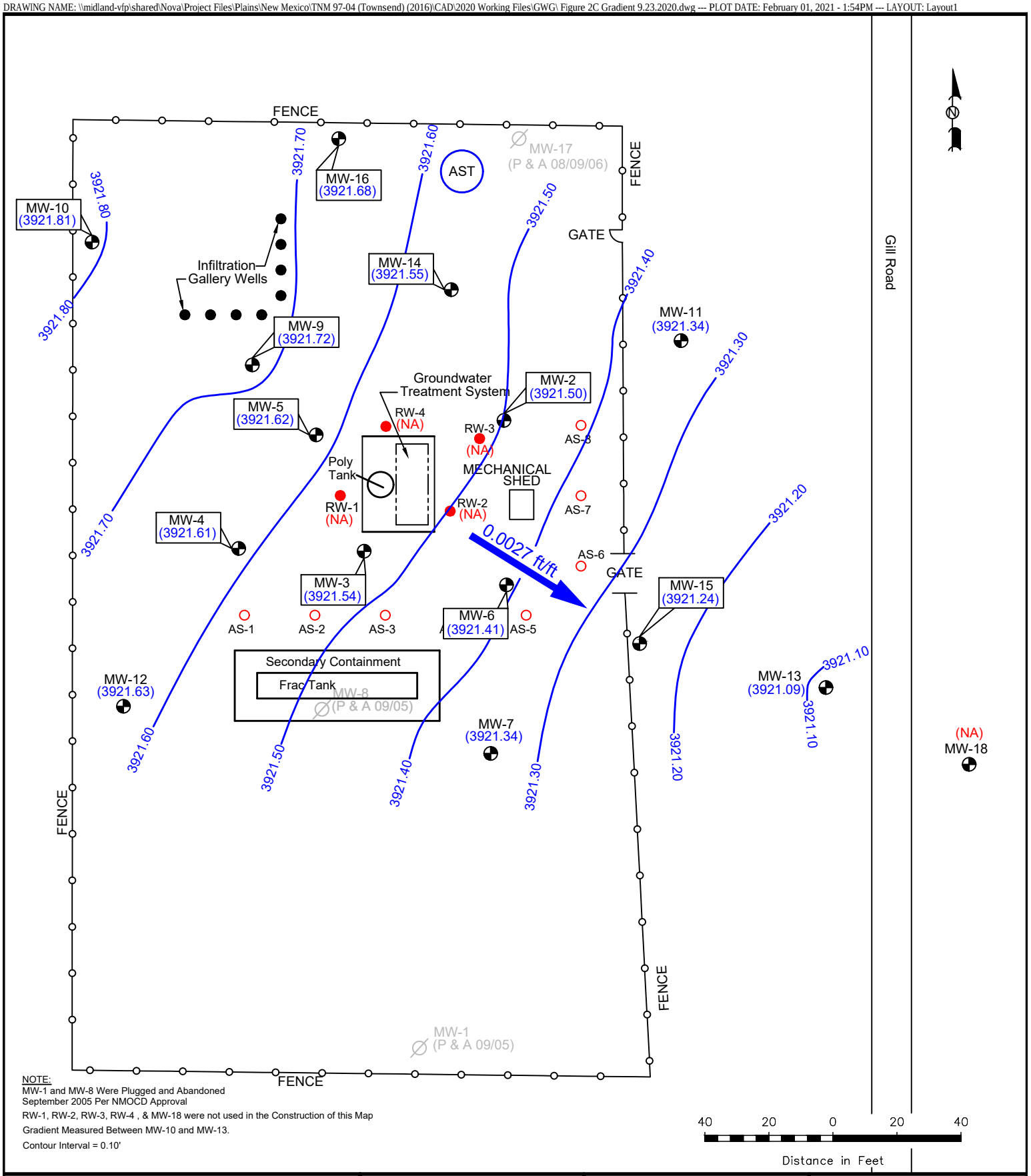
- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available

Figure 2B
Inferred Groundwater Gradient Map
(6/11/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: August 3, 2020	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\GWG\ Figure 2C Gradient 9.23.2020.dwg --- PLOT DATE: February 01, 2021 - 1:54PM --- LAYOUT: Layout1



NOTE:
MW-1 and MW-8 Were Plugged and Abandoned September 2005 Per NMOCD Approval
RW-1, RW-2, RW-3, RW-4 , & MW-18 were not used in the Construction of this Map
Gradient Measured Between MW-10 and MW-13.
Contour Interval = 0.10'

LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available

Figure 2C
Inferred Groundwater Gradient Map
(9/23/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: September 29, 2020	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

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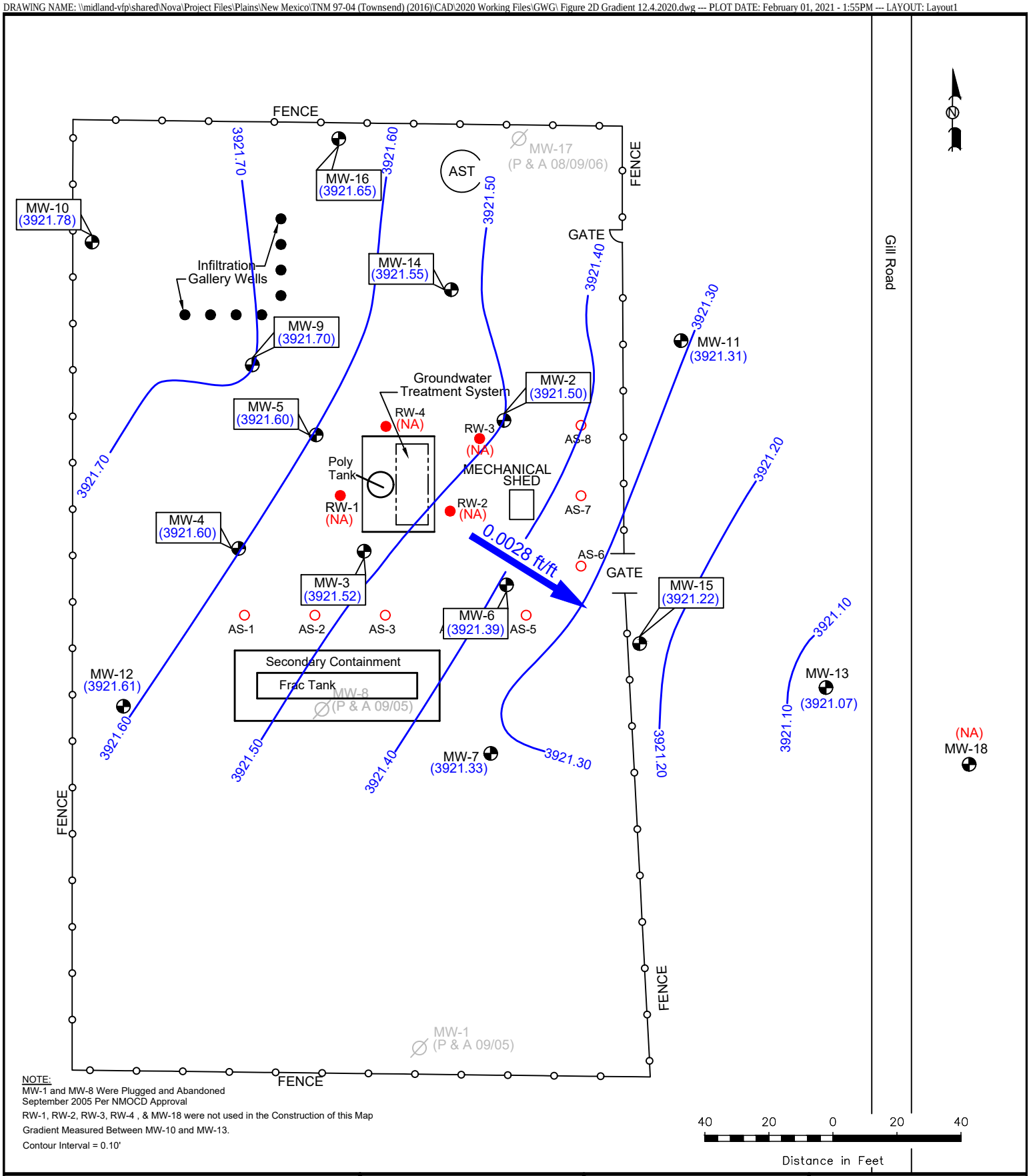
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\GWG\ Figure 2D Gradient 12.4.2020.dwg --- PLOT DATE: February 01, 2021 - 1:55PM --- LAYOUT: Layout1



NOTE:
MW-1 and MW-8 Were Plugged and Abandoned September 2005 Per NMOCD Approval
RW-1, RW-2, RW-3, RW-4 , & MW-18 were not used in the Construction of this Map
Gradient Measured Between MW-10 and MW-13.
Contour Interval = 0.10'

LEGEND:

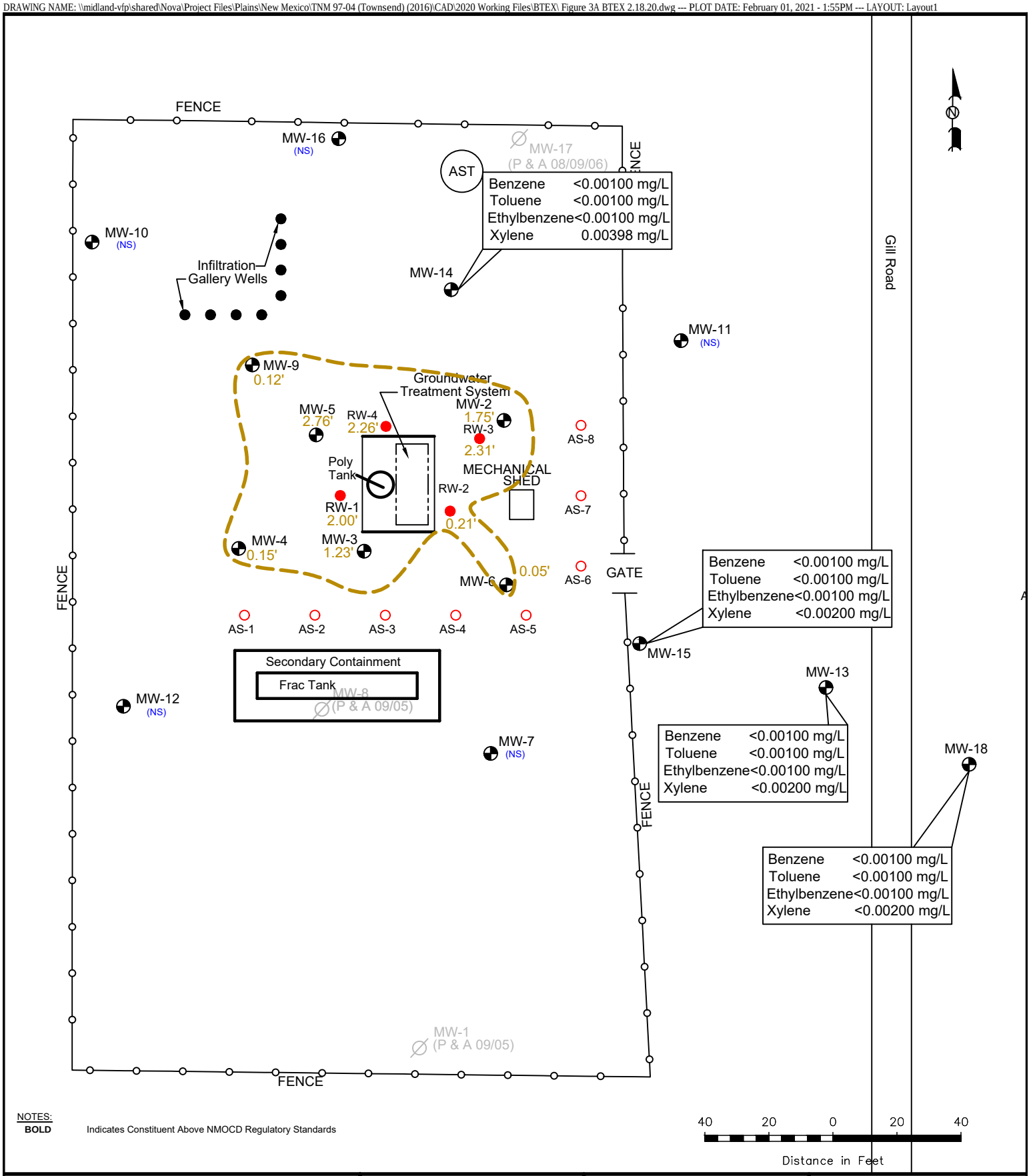
- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Groundwater Elevation Contour
- (NA) Not Available

Figure 2D
Inferred Groundwater Gradient Map
(12/4/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: December 24, 2020	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\BTEX\ Figure 3A BTEX 2.18.20.dwg --- PLOT DATE: February 01, 2021 - 1:55PM --- LAYOUT: Layout1



NOTES:
BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

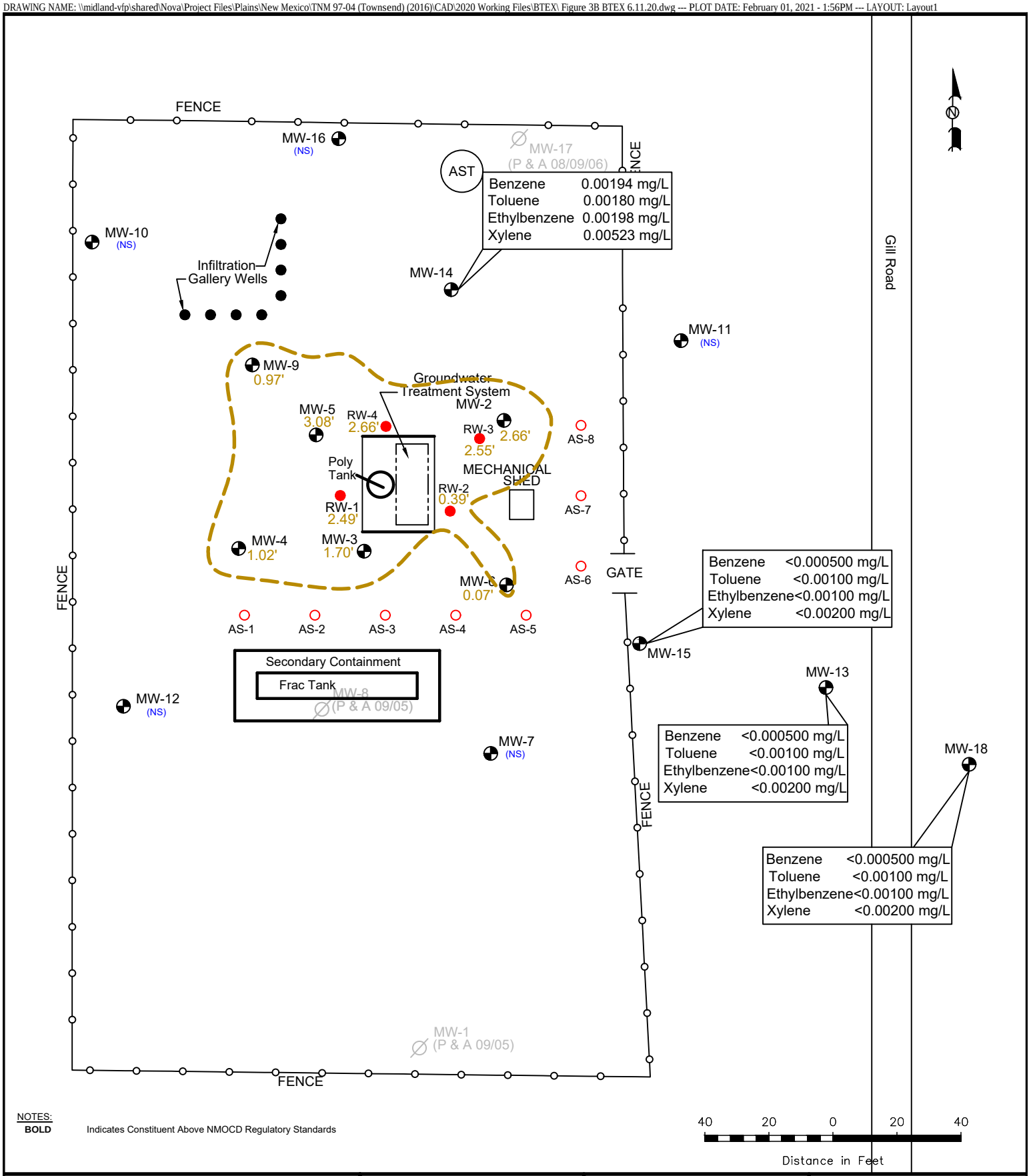
- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled

Figure 3A
Groundwater Concentration and Inferred PSH Extent Map
(2/18/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'
CAD By: CS | Checked By: CS
Draft: March 11, 2020
Lat. N 32.932527°, Long. W 103.420083°
SE1/4 SE1/4 Sec 11 T16S R35E
TRC Proj. No.: 014177

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\BTEX\ Figure 3B BTEX 6.11.20.dwg --- PLOT DATE: February 01, 2021 - 1:56PM --- LAYOUT: Layout1



NOTES:
BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

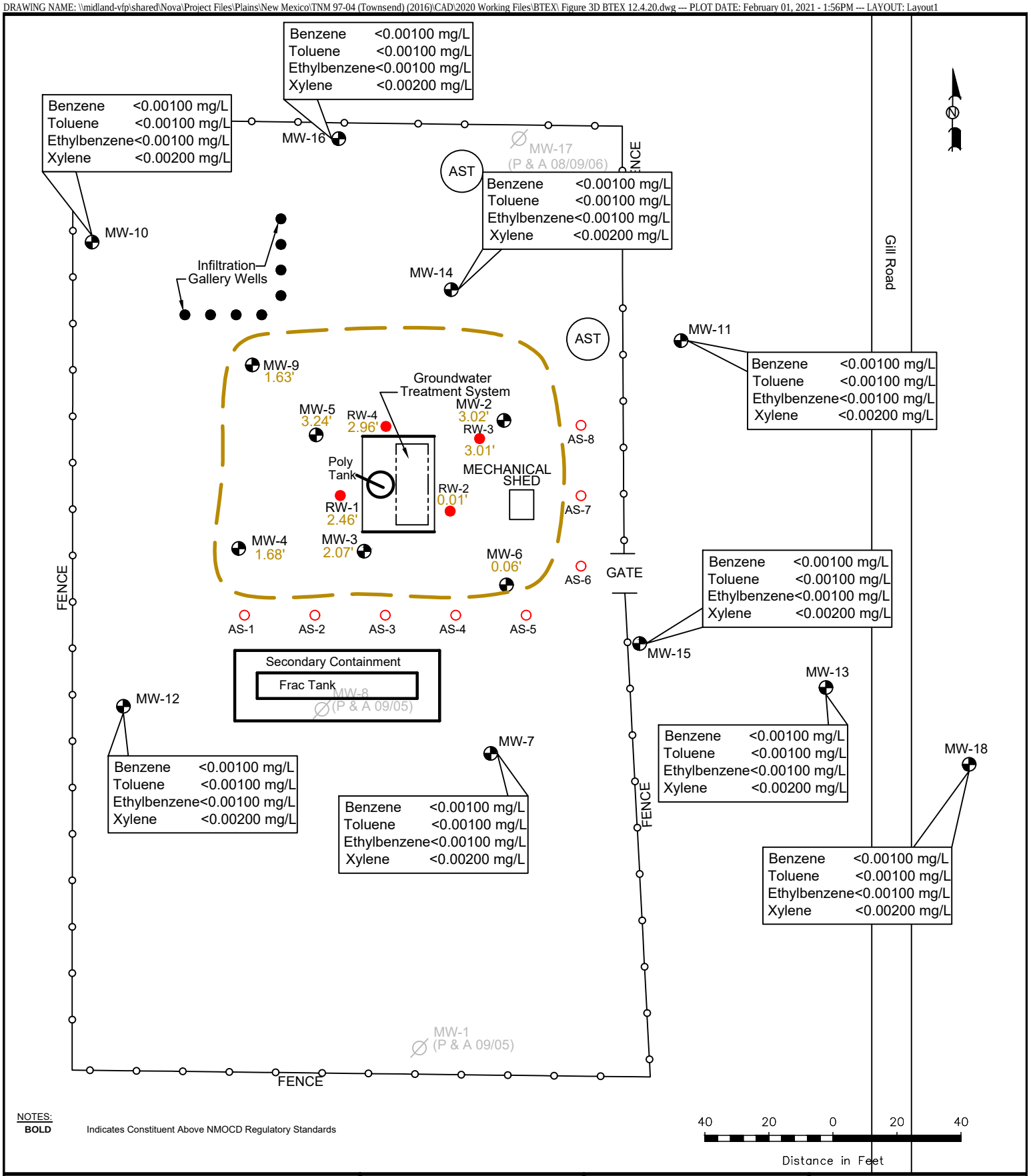
- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled

Figure 3B
Groundwater Concentration and Inferred PSH Extent Map
(6/11/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: June 22, 2020	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

DRAWING NAME: \\midland-vfp\shared\Nova\Project Files\Plains\New Mexico\TNM 97-04 (Townsend) (2016)\CAD\2020 Working Files\BTEX\ Figure 3D BTEX 12.4.20.dwg --- PLOT DATE: February 01, 2021 - 1:56PM --- LAYOUT: Layout1



NOTES:
BOLD Indicates Constituent Above NMOCD Regulatory Standards

LEGEND:

- Monitoring Well Location
- Recovery Well Location
- Air Sparging Well Location
- Infiltration Gallery Well Location
- Inferred PSH Extent
- <0.001 Constituent Concentration (mg/L)
- 2.42' Thickness of PSH (feet)
- (NS) Not Sampled

Figure 3D
Groundwater Concentration and Inferred PSH Extent Map
(12/4/2020 and 12/24/2020)
Plains Marketing, L.P.
TNM 97-04
NMOCD Reference # GW-0294
Lea County, NM

Scale: 1" = 40'	
CAD By: CS	Checked By: CS
Draft: Januuary 4, 2021	
Lat. N 32.932527°, Long. W 103.420083°	
SE1/4 SE1/4 Sec 11 T16S R35E	
TRC Proj. No.: 014177	

TRC
10 Desta Drive, Suite 150E
Midland, Texas 79705
432.520.7720

Tables

TABLE 1

2020 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/08/20	3974.62	52.57	55.30	2.73	3921.64
MW - 2	02/13/20	3974.62	52.74	54.45	1.71	3921.62
MW - 2	02/18/20	3974.62	52.69	54.44	1.75	3921.67
MW - 2	05/05/20	3974.62	52.60	55.12	2.52	3921.64
MW - 2	06/11/20	3974.62	52.60	55.26	2.66	3921.62
MW - 2	09/23/20	3974.62	52.67	55.67	3.00	3921.50
MW - 2	12/04/20	3974.62	52.67	55.69	3.02	3921.50
MW - 3	01/08/20	3974.60	52.74	54.16	1.42	3921.65
MW - 3	02/18/20	3974.60	52.73	53.96	1.23	3921.69
MW - 3	05/05/20	3974.60	52.71	54.24	1.53	3921.66
MW - 3	06/11/20	3974.60	52.73	54.43	1.70	3921.62
MW - 3	09/23/20	3974.60	52.75	54.82	2.07	3921.54
MW - 3	12/04/20	3974.60	52.77	54.84	2.07	3921.52
MW - 4	01/08/20	3974.53	52.72	53.18	0.46	3921.74
MW - 4	02/13/20	3974.53	52.75	52.85	0.10	3921.77
MW - 4	02/18/20	3974.53	52.75	52.90	0.15	3921.76
MW - 4	05/05/20	3974.53	52.66	53.50	0.84	3921.74
MW - 4	06/11/20	3974.53	52.69	53.71	1.02	3921.69
MW - 4	09/23/20	3974.53	52.70	54.16	1.46	3921.61
MW - 4	12/04/20	3974.53	52.68	54.36	1.68	3921.60
MW - 5	01/08/20	3974.27	52.05	55.10	3.05	3921.76
MW - 5	02/13/20	3974.27	52.19	54.43	2.24	3921.74
MW - 5	02/18/20	3974.27	52.08	54.84	2.76	3921.78
MW - 5	05/05/20	3974.27	52.08	55.01	2.93	3921.75
MW - 5	06/11/20	3974.27	52.08	55.16	3.08	3921.73
MW - 5	09/23/20	3974.27	52.17	55.34	3.17	3921.62
MW - 5	12/04/20	3974.27	52.18	55.42	3.24	3921.60
MW - 6	01/08/20	3974.72	53.18	53.22	0.04	3921.53
MW - 6	02/18/20	3974.72	53.20	53.25	0.05	3921.51
MW - 6	05/05/20	3974.72	53.18	53.28	0.10	3921.53
MW - 6	06/11/20	3974.72	53.20	53.27	0.07	3921.51
MW - 6	09/23/20	3974.72	53.30	53.36	0.06	3921.41
MW - 6	12/04/20	3974.72	53.32	53.38	0.06	3921.39
MW - 7	02/18/20	3974.60	-	53.08	0.00	3921.52
MW - 7	05/05/20	3974.60	-	53.12	0.00	3921.48
MW - 7	06/11/20	3974.60	-	53.14	0.00	3921.46
MW - 7	09/23/20	3974.60	-	53.26	0.00	3921.34
MW - 7	12/04/20	3974.60	-	53.27	0.00	3921.33

TABLE 1

2020 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	12/24/20	3974.60	-	53.26	0.00	3921.34
MW - 9	01/08/20	3975.06	53.15	53.66	0.51	3921.83
MW - 9	02/18/20	3975.06	53.18	53.30	0.12	3921.86
MW - 9	05/05/20	3975.06	53.12	53.86	0.74	3921.83
MW - 9	06/11/20	3975.06	53.10	54.07	0.97	3921.81
MW - 9	09/23/20	3975.06	53.13	54.53	1.40	3921.72
MW - 9	12/04/20	3975.06	53.12	54.75	1.63	3921.70
MW - 10	02/18/20	3975.02	-	53.05	0.00	3921.97
MW - 10	05/05/20	3975.02	-	53.09	0.00	3921.93
MW - 10	06/11/20	3975.02	-	53.10	0.00	3921.92
MW - 10	09/23/20	3975.02	-	53.21	0.00	3921.81
MW - 10	12/04/20	3975.02	-	53.24	0.00	3921.78
MW - 10	12/24/20	3975.02	-	53.25	0.00	3921.77
MW - 11	02/18/20	3975.30	-	53.80	0.00	3921.50
MW - 11	05/05/20	3975.30	-	53.83	0.00	3921.47
MW - 11	06/11/20	3975.30	-	53.85	0.00	3921.45
MW - 11	09/23/20	3975.30	-	53.96	0.00	3921.34
MW - 11	12/04/20	3975.30	-	53.99	0.00	3921.31
MW - 11	12/24/20	3975.30	-	54.00	0.00	3921.30
MW - 12	02/18/20	3974.55	-	52.75	0.00	3921.80
MW - 12	05/05/20	3974.55	-	52.78	0.00	3921.77
MW - 12	06/11/20	3974.55	-	52.80	0.00	3921.75
MW - 12	09/23/20	3974.55	-	52.92	0.00	3921.63
MW - 12	12/04/20	3974.55	-	52.94	0.00	3921.61
MW - 12	12/24/20	3974.55	-	52.92	0.00	3921.63
MW - 13	02/18/20	3975.00	-	53.76	0.00	3921.24
MW - 13	05/05/20	3975.00	-	53.76	0.00	3921.24
MW - 13	06/11/20	3975.00	-	53.80	0.00	3921.20
MW - 13	09/23/20	3975.00	-	53.91	0.00	3921.09
MW - 13	12/04/20	3975.00	-	53.93	0.00	3921.07
MW - 14	02/18/20	3976.15	-	54.45	0.00	3921.70
MW - 14	05/05/20	3976.15	-	54.46	0.00	3921.69
MW - 14	06/11/20	3976.15	-	54.50	0.00	3921.65
MW - 14	09/23/20	3976.15	-	54.60	0.00	3921.55
MW - 14	12/04/20	3976.15	-	54.62	0.00	3921.53
MW - 15	02/18/20	3974.69	-	53.28	0.00	3921.41
MW - 15	05/05/20	3974.69	-	53.31	0.00	3921.38

TABLE 1

2020 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/11/20	3974.69	-	53.34	0.00	3921.35
MW - 15	09/23/20	3974.69	-	53.45	0.00	3921.24
MW - 15	12/04/20	3974.69	-	53.47	0.00	3921.22
MW - 16	02/18/20	3975.12	-	53.30	0.00	3921.82
MW - 16	05/05/20	3975.12	-	53.34	0.00	3921.78
MW - 16	06/11/20	3975.12	-	53.35	0.00	3921.77
MW - 16	09/23/20	3975.12	-	53.44	0.00	3921.68
MW - 16	12/04/20	3975.12	-	53.47	0.00	3921.65
MW - 16	12/24/20	3975.12	-	53.49	0.00	3921.63
MW - 18	02/18/20	-	-	54.49	0.00	-
MW - 18	05/05/20	-	-	54.50	0.00	-
MW - 18	06/11/20	-	-	54.54	0.00	-
MW - 18	09/23/20	-	-	54.65	0.00	-
MW - 18	12/04/20	-	-	54.66	0.00	-
RW - 1	01/08/20	3970.79	48.45	50.49	2.04	3922.03
RW - 1	02/18/20	3970.79	48.49	50.49	2.00	3922.00
RW - 1	05/05/20	3970.79	48.42	50.49	2.07	3922.06
RW - 1	06/11/20	3970.79	48.50	50.99	2.49	3921.92
RW - 1	09/23/20	3970.79	48.53	51.31	2.78	3921.84
RW - 1	12/04/20	3970.79	48.59	51.05	2.46	3921.83
RW - 2	01/08/20	-	53.38	53.62	0.24	-
RW - 2	02/18/20	-	53.42	53.63	0.21	-
RW - 2	05/05/20	-	53.37	53.71	0.34	-
RW - 2	06/11/20	-	53.41	53.80	0.39	-
RW - 2	09/23/20	-	53.55	53.61	0.06	-
RW - 2	12/04/20	-	53.57	53.58	0.01	-
RW - 3	01/08/20	-	53.55	55.95	2.40	-
RW - 3	02/18/20	-	53.63	55.94	2.31	-
RW - 3	05/05/20	-	53.59	55.91	2.32	-
RW - 3	06/11/20	-	53.57	56.12	2.55	-
RW - 3	09/23/20	-	53.60	56.63	3.03	-
RW - 3	12/04/20	-	53.61	56.62	3.01	-
RW - 4	01/08/20	-	53.60	55.92	2.32	-
RW - 4	02/18/20	-	53.93	56.19	2.26	-
RW - 4	05/05/20	-	53.62	56.02	2.40	-
RW - 4	06/11/20	-	53.58	56.24	2.66	-
RW - 4	09/23/20	-	53.64	56.60	2.96	-
RW - 4	12/04/20	-	53.66	56.62	2.96	-

TABLE 1

2020 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO

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

TABLE 2

2020 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 2	02/18/20	Not Sampled Due to PSH in Well				
MW - 2	06/11/20	Not Sampled Due to PSH in Well				
MW - 2	09/23/20	Not Sampled Due to PSH in Well				
MW - 2	12/04/20	Not Sampled Due to PSH in Well				
MW - 3	02/18/20	Not Sampled Due to PSH in Well				
MW - 3	06/11/20	Not Sampled Due to PSH in Well				
MW - 3	09/23/20	Not Sampled Due to PSH in Well				
MW - 3	12/04/20	Not Sampled Due to PSH in Well				
MW - 4	02/18/20	Not Sampled Due to PSH in Well				
MW - 4	06/11/20	Not Sampled Due to PSH in Well				
MW - 4	09/23/20	Not Sampled Due to PSH in Well				
MW - 4	12/04/20	Not Sampled Due to PSH in Well				
MW - 5	02/18/20	Not Sampled Due to PSH in Well				
MW - 5	06/11/20	Not Sampled Due to PSH in Well				
MW - 5	09/23/20	Not Sampled Due to PSH in Well				
MW - 5	12/04/20	Not Sampled Due to PSH in Well				
MW - 6	02/18/20	Not Sampled Due to PSH in Well				
MW - 6	06/11/20	Not Sampled Due to PSH in Well				
MW - 6	09/23/20	Not Sampled Due to PSH in Well				
MW - 6	12/04/20	Not Sampled Due to PSH in Well				
MW - 7	02/18/20	Not Sampled on Current Sample Schedule				
MW - 7	06/11/20	Not Sampled on Current Sample Schedule				
MW - 7	09/23/20	Not Sampled on Current Sample Schedule				
MW - 7	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 9	02/18/20	Not Sampled Due to PSH in Well				
MW - 9	06/11/20	Not Sampled Due to PSH in Well				
MW - 9	09/23/20	Not Sampled Due to PSH in Well				
MW - 9	12/04/20	Not Sampled Due to PSH in Well				
MW - 10	02/18/20	Not Sampled on Current Sample Schedule				
MW - 10	06/11/20	Not Sampled on Current Sample Schedule				
MW - 10	09/23/20	Not Sampled on Current Sample Schedule				
MW - 10	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/18/20	Not Sampled on Current Sample Schedule				

TABLE 2

2020 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
MW - 11	06/11/20	Not Sampled on Current Sample Schedule				
MW - 11	09/23/20	Not Sampled on Current Sample Schedule				
MW - 11	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/18/20	Not Sampled on Current Sample Schedule				
MW - 12	06/11/20	Not Sampled on Current Sample Schedule				
MW - 12	09/23/20	Not Sampled on Current Sample Schedule				
MW - 12	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 13	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	02/18/20	<0.00100	<0.00100	<0.00100	0.00398	
MW - 14	06/11/20	0.00194	0.00180	0.00198	0.00523	
MW - 14	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 15	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	02/18/20	Not Sampled on Current Sample Schedule				
MW - 16	06/11/20	Not Sampled on Current Sample Schedule				
MW - 16	09/23/20	Not Sampled on Current Sample Schedule				
MW - 16	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 18	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	02/18/20	Not Sampled Due to PSH in Well				
RW - 1	06/11/20	Not Sampled Due to PSH in Well				
RW - 1	09/23/20	Not Sampled Due to PSH in Well				
RW - 1	12/04/20	Not Sampled Due to PSH in Well				
RW - 2	02/18/20	Not Sampled Due to PSH in Well				
RW - 2	06/11/20	Not Sampled Due to PSH in Well				
RW - 2	09/23/20	Not Sampled Due to PSH in Well				
RW - 2	12/04/20	Not Sampled Due to PSH in Well				

TABLE 2

2020 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
RW - 3	02/18/20	Not Sampled Due to PSH in Well				
RW - 3	06/11/20	Not Sampled Due to PSH in Well				
RW - 3	09/23/20	Not Sampled Due to PSH in Well				
RW - 3	12/04/20	Not Sampled Due to PSH in Well				
RW - 4	02/18/20	Not Sampled Due to PSH in Well				
RW - 4	06/11/20	Not Sampled Due to PSH in Well				
RW - 4	09/23/20	Not Sampled Due to PSH in Well				
RW - 4	12/04/20	Not Sampled Due to PSH in Well				

TABLE 3

2020 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-2	12/04/20	Not Sampled due to the presence of PSH.																	
MW-3	12/04/20	Not Sampled due to the presence of PSH.																	
MW-4	12/04/20	Not Sampled due to the presence of PSH.																	
MW-5	12/04/20	Not Sampled due to the presence of PSH.																	
MW-6	12/04/20	Not Sampled due to the presence of PSH.																	
MW-7	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	12/04/20	Not Sampled due to the presence of PSH.																	
MW-10	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-11	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-12	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-13	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-14	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-15	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-16	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-18	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 3

2020 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
RW-1	12/04/20	Not Sampled due to the presence of PSH.																		
RW-2	12/04/20	Not Sampled due to the presence of PSH.																		
RW-3	12/04/20	Not Sampled due to the presence of PSH.																		
RW-4	12/04/20	Not Sampled due to the presence of PSH.																		

TABLE 4

2020 NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		**5.0 mg/L**	**0.75 mg/L**	**0.05 mg/L**	**1.0 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**0.1 mg/L**	**1.0 mg/L**	**0.01 mg/L**	**0.05 mg/L**	**0.002 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**10 mg/L**
Post Metals	01/23/20	<0.0550	0.0651	<0.00200	0.00375	0.348	0.119	<0.00200	<0.0060	0.0157	0.245	<0.00100	<0.0910	<0.000250	<0.0110	0.0190	<0.00500	0.0173
Post-Metals	02/28/20	0.0138	0.141	<0.00800	0.0205	0.172	0.106	<0.00800	<0.0080	0.00934	0.373	<0.00800	<0.00800	<0.000250	0.00999	<0.00800	<0.00800	<0.00800
Post-Metals	03/25/20	<0.0200	0.175	<0.00800	0.0146	0.205	0.123	<0.00800	<0.0080	<0.00800	0.258	<0.00800	<0.00800	<0.000250	<0.00800	<0.00800	<0.00800	0.0318
Post-Metals	05/26/20	0.0194	0.107	<0.00500	<0.00200	<0.200	0.0766	<0.00500	<0.00200	0.00710	0.217	<0.00200	<0.00400	<0.0000800	<0.00200	0.00227	<0.00200	0.00749
Post-Metals	06/18/20	0.0197	0.0975	<0.00200	<0.00200	<0.00200	0.0513	<0.00500	<0.00200	0.00674	0.244	<0.00200	<0.00400	<0.000200	<0.00200	0.00210	<0.00200	0.00474
Post-Metals	07/14/20	<0.0550	0.176	<0.00800	0.00636	0.260	0.0210	0.00255	<0.0080	0.0110	0.319	<0.00800	<0.0200	<0.000250	0.00864	<0.00400	<0.00800	0.0165
Post-Metals	08/25/20	<0.0550	0.114	<0.00200	0.0241	0.443	0.0856	0.00348	<0.0060	0.00818	0.631	<0.00100	<0.0910	<0.000250	<0.0110	<0.00400	<0.00500	0.0151
Post-Metals	09/29/20	<0.0550	0.234	<0.00800	0.00485	0.0462	0.183	<0.00800	<0.0080	0.00877	0.303	<0.00800	<0.00800	<0.000250	0.00802	<0.00800	<0.00800	0.0131
Post-Metals	11/03/20	<0.0200	0.150	<0.00800	0.0208	**1.03**	**0.261**	<0.00800	<0.0080	0.00665	0.294	<0.00800	<0.00800	<0.000250	0.0113	0.00342	<0.00800	0.555
Post-Metals	11/17/20	<0.0400	0.170	<0.00800	0.0141	0.249	0.0939	0.00371	<0.0080	0.00742	0.288	<0.00800	<0.0200	<0.000250	0.0156	<0.00800	<0.00800	0.0326

TABLE 5

2020 BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		**0.01**	**0.75**	**0.75**	**0.62**
01/23/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
02/28/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
03/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
05/26/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
06/18/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
07/14/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
08/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
09/29/20	Post Carbon	0.00189	<0.00100	<0.00100	<0.00200
11/03/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
11/17/20	Post Carbon	0.00230	<0.00100	<0.00100	<0.00200

TABLE 6

2020 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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**			---
Post Carbon	01/23/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099
Post Carbon	02/28/20	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097			<0.000097
Post Carbon	03/25/20	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098			<0.000098
Post Carbon	05/26/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099
Post Carbon	06/18/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	07/14/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	08/25/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	09/29/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	11/03/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	11/17/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/02/00	3974.18	-	53.01	0.00	3921.17
MW - 1	04/25/00	3974.18	-	53.02	0.00	3921.16
MW - 1	09/06/00	3974.18	-	53.07	0.00	3921.11
MW - 1	11/28/00	3974.18	-	53.08	0.00	3921.10
MW - 1	02/21/01	3974.18	-	52.98	0.00	3921.20
MW - 1	05/31/01	3974.18	-	52.94	0.00	3921.24
MW - 1	08/23/01	3974.18	-	52.95	0.00	3921.23
MW - 1	11/21/01	3974.18	-	52.99	0.00	3921.19
MW - 1	02/13/02	3974.18	-	53.04	0.00	3921.14
MW - 1	06/12/02	3974.18	-	52.99	0.00	3921.19
MW - 1	08/26/02	3974.18	-	53.02	0.00	3921.16
MW - 1	11/21/02	3974.18	-	53.07	0.00	3921.11
MW - 1	02/05/03	3974.18	-	53.00	0.00	3921.18
MW - 1	05/07/03	3974.18	-	52.96	0.00	3921.22
MW - 1	08/18/03	3974.18	-	53.01	0.00	3921.17
MW - 1	12/01/03	3974.18	-	53.07	0.00	3921.11
MW - 1	02/05/04	3974.18	-	53.07	0.00	3921.11
MW - 1	05/05/04	3974.18	-	53.50	0.00	3920.68
MW - 1	09/01/04	3974.18	-	53.11	0.00	3921.07
MW - 1	12/15/04	3974.18	-	53.09	0.00	3921.09
MW - 1	03/22/05	3974.18	-	52.80	0.00	3921.38
MW - 1	06/22/05	3974.18	-	52.75	0.00	3921.43
MW - 1	09/14/05	PLUGGED & ABANDONED				
MW - 2	03/02/00	3974.62	52.49	55.38	2.89	3921.70
MW - 2	04/25/00	3974.62	52.59	55.42	2.83	3921.61
MW - 2	09/05/00	3974.62	52.58	55.71	3.13	3921.57
MW - 2	12/01/00	3974.62	52.75	55.23	2.48	3921.50
MW - 2	02/21/01	3974.62	52.52	55.75	3.23	3921.62
MW - 2	05/31/01	3974.62	52.77	54.75	1.98	3921.55
MW - 2	08/23/01	3974.62	52.40	55.83	3.43	3921.71
MW - 2	11/21/01	3974.62	53.02	54.21	1.19	3921.42
MW - 2	02/13/02	3974.62	52.48	56.14	3.66	3921.59
MW - 2	06/12/02	3974.62	52.44	56.11	3.67	3921.63
MW - 2	11/08/02	3974.62	52.59	55.99	3.40	3921.52
MW - 2	11/21/02	3974.62	53.13	53.54	0.41	3921.43
MW - 2	12/27/02	3974.62	52.64	55.65	3.01	3921.53
MW - 2	01/06/03	3974.62	52.80	54.81	2.01	3921.52
MW - 2	01/08/03	3974.62	52.95	54.14	1.19	3921.49
MW - 2	01/10/03	3974.62	53.15	53.32	0.17	3921.44
MW - 2	01/13/03	3974.62	53.14	53.32	0.18	3921.45
MW - 2	02/05/03	3974.62	52.70	55.28	2.58	3921.53
MW - 2	02/26/03	3974.62	52.57	55.74	3.17	3921.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/04/03	3974.62	52.58	55.75	3.17	3921.56
MW - 2	03/12/03	3974.62	52.60	55.79	3.19	3921.54
MW - 2	03/18/03	3974.62	52.61	55.71	3.10	3921.55
MW - 2	03/25/03	3974.62	52.60	55.77	3.17	3921.54
MW - 2	03/31/03	3974.62	52.59	55.71	3.12	3921.56
MW - 2	04/09/03	3974.62	52.60	53.13	0.53	3921.94
MW - 2	04/14/03	3974.62	52.64	52.89	0.25	3921.94
MW - 2	05/07/03	3974.62	52.52	55.73	3.21	3921.62
MW - 2	05/08/03	3974.62	52.60	55.81	3.21	3921.54
MW - 2	05/13/03	3974.62	52.61	55.79	3.18	3921.53
MW - 2	05/21/03	3974.62	52.62	55.83	3.21	3921.52
MW - 2	05/27/03	3974.62	52.57	55.71	3.14	3921.58
MW - 2	05/28/03	3974.62	52.63	55.83	3.20	3921.51
MW - 2	06/03/03	3974.62	52.76	55.81	3.05	3921.40
MW - 2	06/09/03	3974.62	52.62	55.79	3.17	3921.52
MW - 2	07/01/03	3974.62	52.80	53.81	1.01	3921.67
MW - 2	07/08/03	3974.62	52.69	55.92	3.23	3921.45
MW - 2	07/29/03	3974.62	52.57	55.72	3.15	3921.58
MW - 2	08/04/03	3974.62	52.76	55.91	3.15	3921.39
MW - 2	08/18/03	3974.62	52.85	54.18	1.33	3921.57
MW - 2	08/25/03	3974.62	52.86	56.04	3.18	3921.28
MW - 2	10/01/03	3974.62	52.76	52.99	0.23	3921.83
MW - 2	10/06/03	3974.62	52.63	55.69	3.06	3921.53
MW - 2	10/08/03	3974.62	52.95	56.07	3.12	3921.20
MW - 2	10/15/03	3974.62	52.93	56.08	3.15	3921.22
MW - 2	11/12/03	3974.62	53.04	54.18	1.14	3921.41
MW - 2	11/19/03	3974.62	53.03	56.18	3.15	3921.12
MW - 2	12/01/03	3974.62	53.08	56.21	3.13	3921.07
MW - 2	12/10/03	3974.62	52.74	55.82	3.08	3921.42
MW - 2	02/05/04	3974.62	53.09	56.18	3.09	3921.07
MW - 2	02/17/04	3974.62	52.78	53.51	0.73	3921.73
MW - 2	02/25/04	3974.62	53.06	56.03	2.97	3921.11
MW - 2	03/09/04	3974.62	52.83	55.87	3.04	3921.33
MW - 2	03/16/04	3974.62	52.85	55.80	2.95	3921.33
MW - 2	03/22/04	3974.62	53.32	54.00	0.68	3921.20
MW - 2	04/07/04	3974.62	52.88	53.14	0.26	3921.70
MW - 2	04/12/04	3974.62	53.21	56.03	2.82	3920.99
MW - 2	04/19/04	3974.62	52.88	53.98	1.10	3921.58
MW - 2	05/05/04	3974.62	52.88	55.83	2.95	3921.30
MW - 2	05/11/04	3974.62	52.98	55.95	2.97	3921.19
MW - 2	06/07/04	3974.62	52.63	55.49	2.86	3921.56
MW - 2	06/15/04	3974.62	-	52.57	0.00	3922.05
MW - 2	06/20/04	3974.62	52.57	WELL OBSTRUCTED		

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/21/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	06/28/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	07/08/04	3974.62	52.58	WELL OBSTRUCTED		
MW - 2	07/12/04	3974.62	52.59	WELL OBSTRUCTED		
MW - 2	08/12/04	3974.62	52.59	WELL OBSTRUCTED		
MW - 2	08/17/04	3974.62	52.63	WELL OBSTRUCTED		
MW - 2	08/26/04	3974.62	52.62	WELL OBSTRUCTED		
MW - 2	09/01/04	3974.62	53.86	54.75	0.89	3920.63
MW - 2	09/03/04	3974.62	53.86	54.75	0.89	3920.63
MW - 2	09/08/04	3974.62	53.92	54.75	0.83	3920.58
MW - 2	09/14/04	3974.62	52.90	54.75	1.85	3921.44
MW - 2	09/22/04	3974.62	53.01	54.75	1.74	3921.35
MW - 2	10/01/04	3974.62	52.88	54.90	2.02	3921.44
MW - 2	10/08/04	3974.62	52.94	55.10	2.16	3921.36
MW - 2	10/15/04	3974.62	53.10	55.10	2.00	3921.22
MW - 2	10/22/04	3974.62	52.73	55.15	2.42	3921.53
MW - 2	11/12/04	3974.62	52.68	55.65	2.97	3921.49
MW - 2	11/26/04	3974.62	52.70	54.60	1.90	3921.64
MW - 2	12/02/04	3974.62	52.72	55.50	2.78	3921.48
MW - 2	12/06/04	3974.62	52.99	55.31	2.32	3921.28
MW - 2	12/13/04	3974.62	52.80	54.70	1.90	3921.54
MW - 2	12/15/04	3974.62	52.80	54.70	1.90	3921.54
MW - 2	12/27/04	3974.62	52.80	55.20	2.40	3921.46
MW - 2	01/10/05	3974.62	52.57	55.40	2.83	3921.63
MW - 2	01/18/05	3974.62	52.63	55.17	2.54	3921.61
MW - 2	01/18/05	3974.62	52.78	54.33	1.55	3921.61
MW - 2	01/25/05	3974.62	52.51	55.35	2.84	3921.68
MW - 2	01/27/05	3974.62	52.55	55.22	2.67	3921.67
MW - 2	02/01/05	3974.62	52.52	55.55	3.03	3921.65
MW - 2	02/07/05	3974.62	52.50	55.34	2.84	3921.69
MW - 2	02/11/05	3974.62	52.50	55.23	2.73	3921.71
MW - 2	02/15/05	3974.62	52.49	55.25	2.76	3921.72
MW - 2	02/22/05	3974.62	52.46	55.44	2.98	3921.71
MW - 2	02/24/05	3974.62	52.43	55.50	3.07	3921.73
MW - 2	03/03/05	3974.62	52.43	55.41	2.98	3921.74
MW - 2	03/09/05	3974.62	52.43	55.35	2.92	3921.75
MW - 2	03/22/05	3974.62	53.03	53.13	0.10	3921.58
MW - 2	03/24/05	3974.62	53.03	53.13	0.10	3921.58
MW - 2	03/31/05	3974.62	53.05	53.12	0.07	3921.56
MW - 2	06/22/05	3974.62	52.86	53.38	0.52	3921.68
MW - 2	07/21/05	3974.62	52.73	53.24	0.51	3921.81
MW - 2	08/03/05	3974.62	52.45	54.54	2.09	3921.86
MW - 2	08/12/05	3974.62	52.42	54.58	2.16	3921.88

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	08/15/05	3974.62	52.48	54.40	1.92	3921.85
MW - 2	08/22/05	3974.62	52.41	54.50	2.09	3921.90
MW - 2	08/30/05	3974.62	52.40	54.64	2.24	3921.88
MW - 2	09/07/05	3974.62	52.38	54.62	2.24	3921.90
MW - 2	09/14/05	3974.62	52.32	54.63	2.31	3921.95
MW - 2	09/20/05	3974.62	52.39	54.48	2.09	3921.92
MW - 2	09/21/05	3974.62	52.36	54.61	2.25	3921.92
MW - 2	09/28/05	3974.62	52.38	54.60	2.22	3921.91
MW - 2	10/06/05	3974.62	52.32	54.85	2.53	3921.92
MW - 2	10/13/05	3974.62	52.32	54.85	2.53	3921.92
MW - 2	10/20/05	3974.62	52.32	54.84	2.52	3921.92
MW - 2	10/26/05	3974.62	52.33	54.83	2.50	3921.92
MW - 2	11/03/05	3974.62	52.28	54.80	2.52	3921.96
MW - 2	11/10/05	3974.62	52.29	54.79	2.50	3921.96
MW - 2	11/16/05	3974.62	52.31	54.79	2.48	3921.94
MW - 2	11/23/05	3974.62	52.33	54.75	2.42	3921.93
MW - 2	11/28/05	3974.62	52.27	54.83	2.56	3921.97
MW - 2	12/05/05	3974.62	52.30	54.72	2.42	3921.96
MW - 2	12/12/05	3974.62	52.29	54.70	2.41	3921.97
MW - 2	12/16/05	3974.62	53.01	53.84	0.83	3921.49
MW - 2	12/19/05	3974.62	52.35	54.76	2.41	3921.91
MW - 2	12/29/05	3974.62	52.26	54.82	2.56	3921.98
MW - 2	01/04/06	3974.62	52.30	54.80	2.50	3921.95
MW - 2	01/10/06	3974.62	52.29	54.80	2.51	3921.95
MW - 2	01/17/06	3974.62	52.29	54.78	2.49	3921.96
MW - 2	01/26/06	3974.62	52.26	54.78	2.52	3921.98
MW - 2	01/31/06	3974.62	52.28	54.74	2.46	3921.97
MW - 2	02/07/06	3974.62	52.27	54.73	2.46	3921.98
MW - 2	02/09/06	3974.62	52.34	54.57	2.23	3921.95
MW - 2	02/13/06	3974.62	52.28	54.60	2.32	3921.99
MW - 2	02/22/06	3974.62	52.27	54.73	2.46	3921.98
MW - 2	02/28/06	3974.62	52.29	54.70	2.41	3921.97
MW - 2	03/07/06	3974.62	52.27	54.68	2.41	3921.99
MW - 2	03/15/06	3974.62	52.24	54.70	2.46	3922.01
MW - 2	03/20/06	3974.62	52.22	54.64	2.42	3922.04
MW - 2	03/22/06	3974.62	52.60	53.40	0.80	3921.90
MW - 2	03/29/06	3974.62	52.24	54.57	2.33	3922.03
MW - 2	04/11/06	3974.62	52.21	54.59	2.38	3922.05
MW - 2	04/18/06	3974.62	52.22	54.60	2.38	3922.04
MW - 2	04/25/06	3974.62	52.29	54.63	2.34	3921.98
MW - 2	05/02/06	3974.62	52.22	53.98	1.76	3922.14
MW - 2	05/09/06	3974.62	52.21	54.43	2.22	3922.08
MW - 2	05/16/06	3974.62	52.22	54.61	2.39	3922.04

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/23/06	3974.62	52.23	54.59	2.36	3922.04
MW - 2	05/31/06	3974.62	52.21	54.58	2.37	3922.05
MW - 2	06/06/06	3974.62	52.22	54.54	2.32	3922.05
MW - 2	06/13/06	3974.62	52.22	54.54	2.32	3922.05
MW - 2	06/20/06	3974.62	52.21	54.51	2.30	3922.07
MW - 2	06/21/06	3974.62	52.36	53.85	1.49	3922.04
MW - 2	07/06/06	3974.62	52.20	54.53	2.33	3922.07
MW - 2	07/12/06	3974.62	52.25	54.31	2.06	3922.06
MW - 2	07/20/06	3974.62	52.29	53.18	0.89	3922.20
MW - 2	07/25/06	3974.62	52.25	54.28	2.03	3922.07
MW - 2	08/01/06	3974.62	52.26	54.31	2.05	3922.05
MW - 2	08/16/06	3974.62	52.26	54.32	2.06	3922.05
MW - 2	08/23/06	3974.62	52.27	53.26	0.99	3922.20
MW - 2	08/28/06	3974.62	52.28	54.24	1.96	3922.05
MW - 2	09/12/06	3974.62	52.25	54.27	2.02	3922.07
MW - 2	09/22/06	3974.62	52.27	54.27	2.00	3922.05
MW - 2	09/27/06	3974.62	52.27	54.20	1.93	3922.06
MW - 2	10/06/06	3974.62	52.25	54.29	2.04	3922.06
MW - 2	10/10/06	3974.62	52.69	54.19	1.50	3921.71
MW - 2	10/16/06	3974.62	52.28	54.25	1.97	3922.04
MW - 2	10/26/06	3974.62	52.27	54.25	1.98	3922.05
MW - 2	11/03/06	3974.62	52.27	54.24	1.97	3922.05
MW - 2	11/09/06	3974.62	52.28	54.14	1.86	3922.06
MW - 2	11/16/06	3974.62	52.26	54.18	1.92	3922.07
MW - 2	11/22/06	3974.62	52.25	54.18	1.93	3922.08
MW - 2	12/04/06	3974.62	52.25	54.15	1.90	3922.09
MW - 2	12/08/06	3974.62	52.25	54.19	1.94	3922.08
MW - 2	12/15/06	3974.62	52.16	54.37	2.21	3922.13
MW - 2	01/05/07	3974.62	52.20	54.43	2.23	3922.09
MW - 2	01/12/07	3974.62	52.19	54.37	2.18	3922.10
MW - 2	01/18/07	3974.62	52.17	54.37	2.20	3922.12
MW - 2	01/24/07	3974.62	52.20	54.35	2.15	3922.10
MW - 2	01/29/07	3974.62	52.17	54.28	2.11	3922.13
MW - 2	02/09/07	3974.62	52.17	54.31	2.14	3922.13
MW - 2	02/16/07	3974.62	52.18	54.34	2.16	3922.12
MW - 2	02/23/07	3974.62	52.15	54.25	2.10	3922.16
MW - 2	03/02/07	3974.62	52.16	54.30	2.14	3922.14
MW - 2	03/14/07	3974.62	52.20	53.88	1.68	3922.17
MW - 2	03/26/07	3974.62	52.19	54.13	1.94	3922.14
MW - 2	04/03/07	3974.62	52.15	54.22	2.07	3922.16
MW - 2	04/09/07	3974.62	52.14	54.20	2.06	3922.17
MW - 2	04/26/07	3974.62	52.15	54.21	2.06	3922.16
MW - 2	04/30/07	3974.62	52.16	54.13	1.97	3922.16

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/11/07	3974.62	52.15	54.16	2.01	3922.17
MW - 2	05/16/07	3974.62	52.16	54.13	1.97	3922.16
MW - 2	05/22/07	3974.62	52.15	54.12	1.97	3922.17
MW - 2	05/29/07	3974.62	52.13	54.12	1.99	3922.19
MW - 2	06/01/07	3974.62	52.12	54.14	2.02	3922.20
MW - 2	06/08/07	3974.62	52.14	54.12	1.98	3922.18
MW - 2	06/11/07	3974.62	52.16	54.00	1.84	3922.18
MW - 2	06/20/07	3974.62	52.15	54.10	1.95	3922.18
MW - 2	07/10/07	3974.62	52.13	54.08	1.95	3922.20
MW - 2	07/20/07	3974.62	52.14	54.06	1.92	3922.19
MW - 2	07/25/07	3974.62	52.14	54.02	1.88	3922.20
MW - 2	08/01/07	3974.62	52.11	54.01	1.90	3922.23
MW - 2	08/10/07	3974.62	52.15	54.02	1.87	3922.19
MW - 2	08/15/07	3974.62	52.14	54.00	1.86	3922.20
MW - 2	08/30/07	3974.62	52.15	54.00	1.85	3922.19
MW - 2	08/31/07	3974.62	52.15	54.00	1.85	3922.19
MW - 2	09/10/07	3974.62	52.14	53.98	1.84	3922.20
MW - 2	09/19/07	3974.62	52.12	53.98	1.86	3922.22
MW - 2	09/27/07	3974.62	52.11	53.94	1.83	3922.24
MW - 2	10/01/07	3974.62	52.14	53.88	1.74	3922.22
MW - 2	10/19/07	3974.62	52.10	53.96	1.86	3922.24
MW - 2	10/26/07	3974.62	52.10	53.91	1.81	3922.25
MW - 2	11/12/07	3974.62	52.12	53.89	1.77	3922.23
MW - 2	11/16/07	3974.62	52.10	53.88	1.78	3922.25
MW - 2	11/29/07	3974.62	52.10	53.89	1.79	3922.25
MW - 2	12/13/07	3974.62	52.10	53.86	1.76	3922.26
MW - 2	01/10/08	3974.62	52.08	53.79	1.71	3922.28
MW - 2	01/17/08	3974.62	52.10	53.79	1.69	3922.27
MW - 2	01/22/08	3974.62	52.08	53.74	1.66	3922.29
MW - 2	2/6/08 #1	3974.62	52.10	53.71	1.61	3922.28
MW - 2	02/06/08 #2	3974.62	52.32	52.79	0.47	3922.23
MW - 2	2/12/08#1	3974.62	52.11	53.72	1.61	3922.27
MW - 2	2/12/08#2	3974.62	52.34	52.68	0.34	3922.23
MW - 2	2/20/08 #1	3974.62	52.11	53.70	1.59	3922.27
MW - 2	2/20/08 #2	3974.62	52.30	52.78	0.48	3922.25
MW - 2	2/27/08 #1	3974.62	52.11	53.67	1.56	3922.28
MW - 2	2/27/08 #2	3974.62	52.28	52.87	0.59	3922.25
MW - 2	03/07/08	3974.62	52.10	53.66	1.56	3922.29
MW - 2	3/12/2008 #1	3974.62	52.10	53.66	1.56	3922.29
MW - 2	3/12/2008 #2	3974.62	52.29	52.30	0.01	3922.33
MW - 2	3/20/08 #1	3974.62	52.10	53.65	1.55	3922.29
MW - 2	3/20/08#2	3974.62	52.29	52.76	0.47	3922.26
MW - 2	3/23/08 #1	3974.62	52.09	53.64	1.55	3922.30

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	3/23/08 #2	3974.62	52.30	52.31	0.01	3922.32
MW - 2	4/2/08 #1	3974.62	52.09	53.60	1.51	3922.30
MW - 2	4/2/08 #2	3974.62	52.23	52.89	0.66	3922.29
MW - 2	4/9/08 #1	3974.62	52.09	53.59	1.50	3922.31
MW - 2	4/9/08 #2	3974.62	52.23	52.92	0.69	3922.29
MW - 2	04/16/08	3974.62	52.06	53.57	1.51	3922.33
MW - 2	04/23/08	3974.62	52.08	53.57	1.49	3922.32
MW - 2	04/30/08	3974.62	52.08	53.55	1.47	3922.32
MW - 2	05/29/08	3974.62	52.07	53.50	1.43	3922.34
MW - 2	06/02/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/03/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	06/11/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/18/08	3974.62	52.07	53.52	1.45	3922.33
MW - 2	06/23/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	07/01/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/09/08	3974.62	52.09	53.51	1.42	3922.32
MW - 2	07/15/08	3974.62	52.08	53.45	1.37	3922.33
MW - 2	07/22/08	3974.62	52.08	53.48	1.40	3922.33
MW - 2	08/02/08	3974.62	52.08	53.38	1.30	3922.35
MW - 2	08/13/08	3974.62	52.08	53.46	1.38	3922.33
MW - 2	09/03/08	3974.62	52.04	53.44	1.40	3922.37
MW - 2	09/11/08	3974.62	52.07	53.45	1.38	3922.34
MW - 2	09/19/08	3974.62	52.05	53.41	1.36	3922.37
MW - 2	09/26/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/10/08	3974.62	52.06	53.41	1.35	3922.36
MW - 2	10/17/08	3974.62	52.08	53.37	1.29	3922.35
MW - 2	10/21/08	3974.62	52.17	53.35	1.18	3922.27
MW - 2	10/30/08	3974.62	52.05	53.36	1.31	3922.37
MW - 2	11/04/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/18/08	3974.62	52.08	53.36	1.28	3922.35
MW - 2	11/25/08	3974.62	52.08	53.35	1.27	3922.35
MW - 2	11/25/08	3974.62	52.71	52.72	0.01	3921.91
MW - 2	12/10/08	3974.62	52.09	53.44	1.35	3922.33
MW - 2	12/18/08	3974.62	52.05	53.34	1.29	3922.38
MW - 2	01/06/09	3974.62	52.05	53.39	1.34	3922.37
MW - 2	01/14/09	3974.62	52.19	53.35	1.16	3922.26
MW - 2	01/21/09	3974.62	52.25	53.11	0.86	3922.24
MW - 2	01/22/09	3974.62	52.03	53.33	1.30	3922.40
MW - 2	01/30/09	3974.62	52.05	53.30	1.25	3922.38
MW - 2	02/03/09	3974.62	52.06	53.27	1.21	3922.38
MW - 2	02/12/09	3974.62	52.06	53.28	1.22	3922.38
MW - 2	02/19/09	3974.62	52.05	53.26	1.21	3922.39
MW - 2	03/04/09	3974.62	52.10	53.23	1.13	3922.35

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/06/09	3974.62	52.05	53.26	1.21	3922.39
MW - 2	03/11/09	3974.62	52.08	53.24	1.16	3922.37
MW - 2	03/16/09	3974.62	52.13	53.25	1.12	3922.32
MW - 2	03/19/09	3974.62	52.06	53.25	1.19	3922.38
MW - 2	03/24/09	3974.62	52.03	53.19	1.16	3922.42
MW - 2	04/03/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	04/15/09	3974.62	52.06	53.12	1.06	3922.40
MW - 2	04/17/09	3974.62	52.09	52.94	0.85	3922.40
MW - 2	04/22/09	3974.62	52.07	53.10	1.03	3922.40
MW - 2	04/29/09	3974.62	52.03	53.15	1.12	3922.42
MW - 2	05/20/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	05/20/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	06/09/09	3974.62	52.05	53.11	1.06	3922.41
MW - 2	06/17/09	3974.62	52.06	53.14	1.08	3922.40
MW - 2	06/23/09	3974.62	52.07	53.08	1.01	3922.40
MW - 2	07/01/09	3974.62	52.05	53.10	1.05	3922.41
MW - 2	07/08/09	3974.62	52.05	53.07	1.02	3922.42
MW - 2	07/15/09	3974.62	52.06	53.06	1.00	3922.41
MW - 2	07/17/09	3974.62	52.10	53.00	0.90	3922.39
MW - 2	07/23/09	3974.62	52.06	53.09	1.03	3922.41
MW - 2	07/24/09	3974.62	52.09	52.89	0.80	3922.41
MW - 2	07/30/09	3974.62	52.06	53.05	0.99	3922.41
MW - 2	08/04/09	3974.62	52.06	53.02	0.96	3922.42
MW - 2	08/12/09	3974.62	52.08	53.06	0.98	3922.39
MW - 2	08/20/09	3974.62	52.06	53.08	1.02	3922.41
MW - 2	08/26/09	3974.62	52.55	53.08	0.53	3921.99
MW - 2	09/02/09	3974.62	52.05	53.07	1.02	3922.42
MW - 2	09/09/09	3974.62	52.06	53.06	1.00	3922.41
MW - 2	09/14/09	3974.62	52.05	53.08	1.03	3922.42
MW - 2	09/21/09	3974.62	52.06	52.08	0.02	3922.56
MW - 2	10/01/09	3974.62	52.08	53.08	1.00	3922.39
MW - 2	10/08/09	3974.62	52.08	53.09	1.01	3922.39
MW - 2	10/14/09	3974.62	52.08	53.06	0.98	3922.39
MW - 2	10/21/09	3974.62	52.04	53.07	1.03	3922.43
MW - 2	10/28/09	3974.62	52.03	53.08	1.05	3922.43
MW - 2	11/04/09	3974.62	52.05	53.00	0.95	3922.43
MW - 2	11/11/09	3974.62	52.05	52.98	0.93	3922.43
MW - 2	11/18/09	3974.62	52.05	53.02	0.97	3922.42
MW - 2	11/25/09	3974.62	52.05	53.01	0.96	3922.43
MW - 2	12/02/09	3974.62	52.06	53.05	0.99	3922.41
MW - 2	12/10/09	3974.62	52.06	53.03	0.97	3922.41
MW - 2	12/17/09	3974.62	52.09	53.04	0.95	3922.39
MW - 2	12/21/09	3974.62	52.03	52.83	0.80	3922.47

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/30/09	3974.62	52.09	52.96	0.87	3922.40
MW - 2	01/07/10	3974.62	52.09	52.85	0.76	3922.42
MW - 2	01/18/10	3974.62	52.04	52.92	0.88	3922.45
MW - 2	02/02/10	3974.62	52.05	52.89	0.84	3922.44
MW - 2	02/11/10	3974.62	52.05	52.90	0.85	3922.44
MW - 2	02/18/10	3974.62	52.04	52.90	0.86	3922.45
MW - 2	02/25/10	3974.62	52.08	52.95	0.87	3922.41
MW - 2	03/02/10	3974.62	52.11	52.92	0.81	3922.39
MW - 2	03/04/10	3974.62	52.09	52.83	0.74	3922.42
MW - 2	03/10/10	3974.62	52.08	52.93	0.85	3922.41
MW - 2	03/12/10	3974.62	52.15	52.86	0.71	3922.36
MW - 2	03/15/10	3974.62	52.09	52.74	0.65	3922.43
MW - 2	03/18/10	3974.62	52.10	52.69	0.59	3922.43
MW - 2	03/22/10	3974.62	52.18	52.74	0.56	3922.36
MW - 2	03/24/10	3974.62	52.17	52.68	0.51	3922.37
MW - 2	03/30/10	3974.62	52.15	52.65	0.50	3922.40
MW - 2	04/07/10	3974.62	52.18	52.63	0.45	3922.37
MW - 2	04/12/10	3974.62	52.03	52.81	0.78	3922.47
MW - 2	04/16/10	3974.62	52.69	54.59	1.90	3921.65
MW - 2	04/20/10	3974.62	52.55	54.31	1.76	3921.81
MW - 2	04/27/10	3974.62	52.54	54.40	1.86	3921.80
MW - 2	04/30/10	3974.62	52.58	54.08	1.50	3921.82
MW - 2	05/12/10	3974.62	52.52	54.20	1.68	3921.85
MW - 2	05/14/10	3974.62	52.54	54.39	1.85	3921.80
MW - 2	05/17/10	3974.62	52.55	54.19	1.64	3921.82
MW - 2	05/20/10	3974.62	52.50	54.19	1.69	3921.87
MW - 2	05/25/10	3974.62	52.38	53.90	1.52	3922.01
MW - 2	06/01/10	3974.62	52.39	53.89	1.50	3922.01
MW - 2	06/09/10	3974.62	52.37	53.86	1.49	3922.03
MW - 2	06/16/10	3974.62	52.43	53.11	0.68	3922.09
MW - 2	06/28/10	3974.62	52.36	53.47	1.11	3922.09
MW - 2	07/09/10	3974.62	52.44	53.12	0.68	3922.08
MW - 2	07/14/10	3974.62	52.06	52.58	0.52	3922.48
MW - 2	07/23/10	3974.62	52.09	52.60	0.51	3922.45
MW - 2	07/29/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/05/10	3974.62	52.08	52.60	0.52	3922.46
MW - 2	08/12/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/16/10	3974.62	52.07	52.60	0.53	3922.47
MW - 2	08/18/10	3974.62	52.07	52.62	0.55	3922.47
MW - 2	08/26/10	3974.62	52.34	53.05	0.71	3922.17
MW - 2	09/02/10	3974.62	52.41	53.40	0.99	3922.06
MW - 2	09/09/10	3974.62	52.09	52.59	0.50	3922.46
MW - 2	09/30/10	3974.62	52.09	52.61	0.52	3922.45

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/07/10	3974.62	52.09	52.72	0.63	3922.44
MW - 2	10/14/10	3974.62	52.48	53.43	0.95	3922.00
MW - 2	10/21/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	11/04/10	3974.62	52.08	52.71	0.63	3922.45
MW - 2	11/10/10	3974.62	52.51	53.42	0.91	3921.97
MW - 2	12/01/10	3974.62	52.02	52.85	0.83	3922.48
MW - 2	12/08/10	3974.62	52.39	53.22	0.83	3922.11
MW - 2	01/26/11	3974.62	52.08	52.62	0.54	3922.46
MW - 2	02/28/11	3974.62	52.48	53.50	1.02	3921.99
MW - 2	03/04/11	3974.62	52.27	52.90	0.63	3922.26
MW - 2	03/09/11	3974.62	52.29	53.43	1.14	3922.16
MW - 2	04/28/11	3974.62	52.53	53.42	0.89	3921.96
MW - 2	05/04/11	3974.62	52.22	53.24	1.02	3922.25
MW - 2	05/11/11	3974.62	52.23	53.36	1.13	3922.22
MW - 2	05/12/11	3974.62	52.15	52.94	0.79	3922.35
MW - 2	05/18/11	3974.62	52.16	53.08	0.92	3922.32
MW - 2	05/23/11	3974.62	52.30	53.49	1.19	3922.14
MW - 2	06/08/11	3974.62	52.45	53.50	1.05	3922.01
MW - 2	06/16/11	3974.62	52.38	53.26	0.88	3922.11
MW - 2	06/22/11	3974.62	52.30	53.11	0.81	3922.20
MW - 2	06/30/11	3974.62	52.22	53.24	1.02	3922.25
MW - 2	07/06/11	3974.62	52.08	53.11	1.03	3922.39
MW - 2	07/13/11	3974.62	52.29	53.20	0.91	3922.19
MW - 2	07/15/11	3974.62	52.26	53.66	1.40	3922.15
MW - 2	07/19/11	3974.62	52.09	52.72	0.63	3922.44
MW - 2	07/21/11	3974.62	52.10	52.98	0.88	3922.39
MW - 2	07/26/11	3974.62	52.24	52.94	0.70	3922.28
MW - 2	07/28/11	3974.62	52.04	53.04	1.00	3922.43
MW - 2	08/02/11	3974.62	52.48	53.60	1.12	3921.97
MW - 2	08/09/11	3974.62	52.34	53.79	1.45	3922.06
MW - 2	08/12/11	3974.62	52.37	53.40	1.03	3922.10
MW - 2	08/15/11	3974.62	52.37	53.40	1.03	3922.10
MW - 2	08/16/11	3974.62	52.13	52.68	0.55	3922.41
MW - 2	08/19/11	3974.62	52.20	52.79	0.59	3922.33
MW - 2	08/23/11	3974.62	52.15	52.69	0.54	3922.39
MW - 2	08/26/11	3974.62	52.25	53.18	0.93	3922.23
MW - 2	08/30/11	3974.62	52.11	52.55	0.44	3922.44
MW - 2	09/01/11	3974.62	52.13	52.44	0.31	3922.44
MW - 2	09/08/11	3974.62	52.30	53.59	1.29	3922.13
MW - 2	09/13/11	3974.62	52.17	52.31	0.14	3922.43
MW - 2	09/15/11	3974.62	52.27	53.17	0.90	3922.22
MW - 2	09/22/11	3974.62	52.08	52.72	0.64	3922.44
MW - 2	10/06/11	3974.62	52.30	52.96	0.66	3922.22

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/13/11	3974.62	52.42	53.77	1.35	3922.00
MW - 2	10/26/11	3974.62	52.27	53.48	1.21	3922.17
MW - 2	11/22/11	3974.62	52.32	53.20	0.88	3922.17
MW - 2	12/02/11	3974.62	52.08	52.74	0.66	3922.44
MW - 2	12/29/11	3974.62	52.07	52.70	0.63	3922.46
MW - 2	01/26/12	3974.62	52.24	53.48	1.24	3922.19
MW - 2	01/31/12	3974.62	52.33	53.92	1.59	3922.05
MW - 2	02/15/12	3974.62	52.10	52.68	0.58	3922.43
MW - 2	02/28/12	3974.62	52.09	52.83	0.74	3922.42
MW - 2	03/20/12	3974.62	52.35	54.08	1.73	3922.01
MW - 2	03/27/12	3974.62	52.14	52.95	0.81	3922.36
MW - 2	04/10/12	3974.62	52.39	53.30	0.91	3922.09
MW - 2	04/19/12	3974.62	52.14	53.02	0.88	3922.35
MW - 2	04/26/12	3974.62	52.09	52.63	0.54	3922.45
MW - 2	05/08/12	3974.62	52.09	52.63	0.54	3922.45
MW - 2	05/15/12	3974.62	52.09	52.73	0.64	3922.43
MW - 2	05/17/12	3974.62	52.08	52.74	0.66	3922.44
MW - 2	06/05/12	3974.62	52.12	53.02	0.90	3922.37
MW - 2	06/21/12	3974.62	52.12	53.14	1.02	3922.35
MW - 2	06/28/12	3974.62	52.11	53.19	1.08	3922.35
MW - 2	07/17/12	3974.62	52.12	52.93	0.81	3922.38
MW - 2	08/01/12	3974.62	52.20	52.85	0.65	3922.32
MW - 2	10/02/12	3974.62	52.22	53.20	0.98	3922.25
MW - 2	10/09/12	3974.62	52.14	53.72	1.58	3922.24
MW - 2	10/16/12	3974.62	52.19	53.12	0.93	3922.29
MW - 2	10/25/12	3974.62	52.18	53.24	1.06	3922.28
MW - 2	10/30/12	3974.62	52.18	53.24	1.06	3922.28
MW - 2	11/29/12	3974.62	52.22	53.76	1.54	3922.17
MW - 2	12/14/12	3974.62	52.19	53.43	1.24	3922.24
MW - 2	02/11/13	3974.62	52.19	53.15	0.96	3922.29
MW - 2	04/11/13	3974.62	52.39	53.90	1.51	3922.00
MW - 2	04/15/13	3974.62	52.62	54.49	1.87	3921.72
MW - 2	04/22/13	3974.62	52.21	53.03	0.82	3922.29
MW - 2	05/06/13	3974.62	52.22	53.12	0.90	3922.27
MW - 2	05/09/13	3974.62	52.22	53.16	0.94	3922.26
MW - 2	05/20/13	3974.62	52.22	53.20	0.98	3922.25
MW - 2	05/24/13	3974.62	52.34	53.68	1.34	3922.08
MW - 2	05/29/13	3974.62	52.21	53.18	0.97	3922.26
MW - 2	05/31/13	3974.62	52.31	53.61	1.30	3922.12
MW - 2	06/07/13	3974.62	52.64	54.51	1.87	3921.70
MW - 2	06/12/13	3974.62	52.56	54.57	2.01	3921.76
MW - 2	06/14/13	3974.62	52.63	53.92	1.29	3921.80
MW - 2	06/19/13	3974.62	52.63	54.46	1.83	3921.72

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	06/21/13	3974.62	52.74	54.13	1.39	3921.67
MW - 2	06/25/13	3974.62	52.22	53.15	0.93	3922.26
MW - 2	06/26/13	3974.62	52.40	53.72	1.32	3922.02
MW - 2	07/03/13	3974.62	52.62	54.30	1.68	3921.75
MW - 2	07/09/13	3974.62	52.73	54.09	1.36	3921.69
MW - 2	07/11/13	3974.62	52.71	53.98	1.27	3921.72
MW - 2	07/24/13	3974.62	52.54	53.77	1.23	3921.90
MW - 2	07/26/13	3974.62	52.45	54.29	1.84	3921.89
MW - 2	07/31/13	3974.62	52.20	53.86	1.66	3922.17
MW - 2	08/02/13	3974.62	52.48	54.04	1.56	3921.91
MW - 2	08/06/13	3974.62	52.23	53.82	1.59	3922.15
MW - 2	08/14/13	3974.62	52.23	54.04	1.81	3922.12
MW - 2	08/21/13	3974.62	52.48	54.61	2.13	3921.82
MW - 2	08/26/13	3974.62	52.50	54.25	1.75	3921.86
MW - 2	09/06/13	3974.62	52.41	53.65	1.24	3922.02
MW - 2	08/30/13	3974.62	52.25	53.72	1.47	3922.15
MW - 2	09/13/13	3974.62	52.35	53.37	1.02	3922.12
MW - 2	09/27/13	3974.62	52.35	54.18	1.83	3922.00
MW - 2	09/30/13	3974.62	52.33	53.79	1.46	3922.07
MW - 2	10/02/13	3974.62	52.55	54.25	1.70	3921.82
MW - 2	10/03/13	3974.62	52.48	53.27	0.79	3922.02
MW - 2	10/11/13	3974.62	52.29	53.32	1.03	3922.18
MW - 2	10/17/13	3974.62	52.31	53.39	1.08	3922.15
MW - 2	10/22/13	3974.62	52.29	53.40	1.11	3922.16
MW - 2	10/24/13	3974.62	52.43	53.60	1.17	3922.01
MW - 2	10/30/13	3974.62	52.37	53.76	1.39	3922.04
MW - 2	11/01/13	3974.62	52.33	53.33	1.00	3922.14
MW - 2	11/04/13	3974.62	52.32	53.41	1.09	3922.14
MW - 2	11/08/13	3974.62	52.67	54.50	1.83	3921.68
MW - 2	11/13/13	3974.62	52.30	53.45	1.15	3922.15
MW - 2	11/15/13	3974.62	52.40	53.36	0.96	3922.08
MW - 2	11/18/13	3974.62	52.31	53.32	1.01	3922.16
MW - 2	12/12/13	3974.62	52.30	53.39	1.09	3922.16
MW - 2	12/16/13	3974.62	52.31	53.56	1.25	3922.12
MW - 2	12/18/13	3974.62	52.34	53.52	1.18	3922.10
MW - 2	12/23/13	3974.62	52.36	53.83	1.47	3922.04
MW - 2	12/30/13	3974.62	52.32	53.67	1.35	3922.10
MW - 2	01/01/14	3974.62	52.32	53.63	1.31	3922.10
MW - 2	01/06/14	3974.62	52.29	53.53	1.24	3922.14
MW - 2	01/15/14	3974.62	52.36	54.27	1.91	3921.97
MW - 2	01/17/14	3974.62	52.29	53.57	1.28	3922.14
MW - 2	01/20/14	3974.62	52.53	54.20	1.67	3921.84
MW - 2	01/22/14	3974.62	52.66	54.30	1.64	3921.71

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/29/14	3974.62	52.32	53.59	1.27	3922.11
MW - 2	02/04/14	3974.62	52.58	53.67	1.09	3921.88
MW - 2	02/13/14	3974.62	52.29	53.68	1.39	3922.12
MW - 2	02/21/14	3974.62	52.58	55.18	2.60	3921.65
MW - 2	02/26/14	3974.62	52.57	55.13	2.56	3921.67
MW - 2	03/12/14	3974.62	52.33	54.38	2.05	3921.98
MW - 2	03/14/14	3974.62	52.28	54.35	2.07	3922.03
MW - 2	03/17/14	3974.62	52.40	54.36	1.96	3921.93
MW - 2	03/24/14	3974.62	51.80	53.59	1.79	3922.55
MW - 2	03/26/14	3974.62	51.82	53.73	1.91	3922.51
MW - 2	04/09/14	3974.62	52.28	53.47	1.19	3922.16
MW - 2	04/18/14	3974.62	52.29	53.53	1.24	3922.14
MW - 2	04/21/14	3974.62	52.33	53.37	1.04	3922.13
MW - 2	04/28/14	3974.62	52.30	53.54	1.24	3922.13
MW - 2	05/09/14	3974.62	52.38	53.91	1.53	3922.01
MW - 2	05/12/14	3974.62	52.55	54.06	1.51	3921.84
MW - 2	05/19/14	3974.62	52.36	54.14	1.78	3921.99
MW - 2	05/28/14	3974.62	52.37	54.21	1.84	3921.97
MW - 2	06/04/14	3974.62	52.29	54.19	1.90	3922.05
MW - 2	06/13/14	3974.62	52.36	54.25	1.89	3921.98
MW - 2	06/16/14	3974.62	52.35	53.39	1.04	3922.11
MW - 2	07/02/14	3974.62	52.36	53.67	1.31	3922.06
MW - 2	07/07/14	3974.62	52.34	53.70	1.36	3922.08
MW - 2	07/18/14	3974.62	52.47	54.42	1.95	3921.86
MW - 2	07/30/14	3974.62	52.33	53.93	1.60	3922.05
MW - 2	08/11/14	3974.62	52.34	54.03	1.69	3922.03
MW - 2	08/22/14	3974.62	52.39	55.65	3.26	3921.74
MW - 2	08/23/14	3974.62	52.39	55.65	3.26	3921.74
MW - 2	09/10/14	3974.62	52.41	54.08	1.67	3921.96
MW - 2	09/23/14	3974.62	52.41	54.13	1.72	3921.95
MW - 2	09/25/14	3974.62	52.78	54.25	1.47	3921.62
MW - 2	10/03/14	3974.62	52.52	54.19	1.67	3921.85
MW - 2	10/15/14	3974.62	52.41	54.23	1.82	3921.94
MW - 2	10/17/14	3974.62	52.59	54.11	1.52	3921.80
MW - 2	10/24/14	3974.62	52.67	53.99	1.32	3921.75
MW - 2	10/27/14	3974.62	52.51	53.94	1.43	3921.90
MW - 2	10/31/14	3974.62	52.36	52.85	0.49	3922.19
MW - 2	11/03/14	3974.62	52.60	54.71	2.11	3921.70
MW - 2	11/10/14	3974.62	52.62	54.10	1.48	3921.78
MW - 2	11/14/14	3974.62	52.44	53.53	1.09	3922.02
MW - 2	11/17/14	3974.62	52.45	53.47	1.02	3922.02
MW - 2	11/18/14	3974.62	52.45	53.47	1.02	3922.02
MW - 2	11/21/14	3974.62	52.44	53.55	1.11	3922.01

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	12/03/14	3974.62	52.37	53.81	1.44	3922.03
MW - 2	12/05/14	3974.62	52.46	53.46	1.00	3922.01
MW - 2	12/12/14	3974.62	52.47	53.59	1.12	3921.98
MW - 2	12/15/14	3974.62	52.47	53.59	1.12	3921.98
MW - 2	12/19/14	3974.62	52.43	53.56	1.13	3922.02
MW - 2	12/22/14	3974.62	52.41	53.49	1.08	3922.05
MW - 2	01/05/15	3974.62	52.38	53.46	1.08	3922.08
MW - 2	01/09/15	3974.62	52.38	53.72	1.34	3922.04
MW - 2	01/14/15	3974.62	53.37	53.74	0.37	3921.19
MW - 2	01/21/15	3974.62	52.39	53.41	1.02	3922.08
MW - 2	02/18/15	3974.62	52.64	54.21	1.57	3921.74
MW - 2	02/19/15	3974.62	52.46	53.29	0.83	3922.04
MW - 2	03/09/15	3974.62	52.38	53.40	1.02	3922.09
MW - 2	03/11/15	3974.62	52.36	53.66	1.30	3922.07
MW - 2	03/18/15	3974.62	52.35	53.66	1.31	3922.07
MW - 2	03/31/15	3974.62	52.41	53.43	1.02	3922.06
MW - 2	04/09/15	3974.62	52.35	53.58	1.23	3922.09
MW - 2	04/15/15	3974.62	52.34	53.61	1.27	3922.09
MW - 2	04/22/15	3974.62	52.34	53.63	1.29	3922.09
MW - 2	05/12/15	3974.62	52.34	53.65	1.31	3922.08
MW - 2	05/26/15	3974.62	52.40	53.38	0.98	3922.07
MW - 2	06/01/15	3974.62	52.37	53.70	1.33	3922.05
MW - 2	06/04/15	3974.62	52.35	53.61	1.26	3922.08
MW - 2	06/22/15	3974.62	52.46	54.41	1.95	3921.87
MW - 2	06/26/15	3974.62	52.75	54.40	1.65	3921.62
MW - 2	07/22/15	3974.62	52.58	54.16	1.58	3921.80
MW - 2	07/27/15	3974.62	52.66	54.03	1.37	3921.75
MW - 2	08/18/15	3974.62	52.24	53.73	1.49	3922.16
MW - 2	09/09/15	3974.62	52.00	53.85	1.85	3922.34
MW - 2	09/30/15	3974.62	52.70	54.95	2.25	3921.58
MW - 2	10/08/15	3974.62	52.54	54.57	2.03	3921.78
MW - 2	10/16/15	3974.62	52.62	55.10	2.48	3921.63
MW - 2	10/21/15	3974.62	52.45	53.80	1.35	3921.97
MW - 2	11/18/15	3974.62	52.58	54.70	2.12	3921.72
MW - 2	11/23/15	3974.62	53.01	53.31	0.30	3921.57
MW - 2	12/04/15	3974.62	52.40	53.85	1.45	3922.00
MW - 2	12/09/15	3974.62	52.71	54.88	2.17	3921.58
MW - 2	01/12/16	3974.62	52.42	54.00	1.58	3921.96
MW - 2	01/22/16	3974.62	52.40	54.00	1.60	3921.98
MW - 2	01/25/16	3974.62	52.49	53.85	1.36	3921.93
MW - 2	02/12/16	3974.62	52.54	54.24	1.70	3921.83
MW - 2	02/17/16	3974.62	52.60	54.39	1.79	3921.75
MW - 2	02/24/16	3974.62	52.43	53.66	1.23	3922.01

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	03/09/16	3974.62	52.52	54.85	2.33	3921.75
MW - 2	03/30/16	3974.62	52.61	54.62	2.01	3921.71
MW - 2	04/13/16	3974.62	52.54	54.49	1.95	3921.79
MW - 2	04/27/16	3974.62	52.55	54.73	2.18	3921.74
MW - 2	05/11/16	3974.62	52.53	53.87	1.34	3921.89
MW - 2	06/03/16	3974.62	52.55	54.55	2.00	3921.77
MW - 2	06/13/16	3974.62	52.43	53.73	1.30	3922.00
MW - 2	07/01/16	3974.62	52.65	54.34	1.69	3921.72
MW - 2	07/08/16	3974.62	52.45	54.12	1.67	3921.92
MW - 2	07/12/16	3974.62	52.46	54.00	1.54	3921.93
MW - 2	07/18/16	3974.62	52.54	53.88	1.34	3921.88
MW - 2	08/02/16	3974.62	52.49	54.00	1.51	3921.90
MW - 2	08/12/16	3974.62	52.50	54.27	1.77	3921.85
MW - 2	08/17/16	3974.62	52.44	54.25	1.81	3921.91
MW - 2	09/21/16	3974.62	52.43	54.07	1.64	3921.94
MW - 2	10/21/16	3974.62	52.35	54.20	1.85	3921.99
MW - 2	10/24/16	3974.62	52.53	54.36	1.83	3921.82
MW - 2	10/26/16	3974.62	52.99	53.02	0.03	3921.63
MW - 2	10/31/16	3974.62	52.48	54.30	1.82	3921.87
MW - 2	11/21/16	3974.62	52.64	54.43	1.79	3921.71
MW - 2	11/28/16	3974.62	52.40	53.92	1.52	3921.99
MW - 2	12/07/16	3974.62	52.53	54.51	1.98	3921.79
MW - 2	12/14/16	3974.62	52.71	54.33	1.62	3921.67
MW - 2	12/21/16	3974.62	52.42	53.82	1.40	3921.99
MW - 2	01/04/17	3974.62	52.40	53.96	1.56	3921.99
MW - 2	01/12/17	3974.62	52.41	53.98	1.57	3921.97
MW - 2	01/26/17	3974.62	52.52	54.56	2.04	3921.79
MW - 2	02/07/17	3974.62	52.40	54.17	1.77	3921.95
MW - 2	02/21/17	3974.62	52.40	53.94	1.54	3921.99
MW - 2	02/23/17	3974.62	52.38	53.91	1.53	3922.01
MW - 2	03/08/17	3974.62	52.55	54.41	1.86	3921.79
MW - 2	04/07/17	3974.62	52.38	53.90	1.52	3922.01
MW - 2	04/18/17	3974.62	52.39	53.90	1.51	3922.00
MW - 2	05/10/17	3974.62	52.48	54.39	1.91	3921.85
MW - 2	05/24/17	3974.62	52.38	52.87	0.49	3922.17
MW - 2	06/02/17	3974.62	52.36	53.99	1.63	3922.02
MW - 2	07/12/17	3974.62	52.53	54.94	2.41	3921.73
MW - 2	07/19/17	3974.62	52.55	54.48	1.93	3921.78
MW - 2	07/27/17	3974.62	52.38	54.29	1.91	3921.95
MW - 2	08/11/17	3974.62	52.51	54.89	2.38	3921.75
MW - 2	08/24/17	3974.62	52.43	54.17	1.74	3921.93
MW - 2	09/05/17	3974.62	52.45	54.22	1.77	3921.90
MW - 2	10/18/17	3974.62	52.55	54.53	1.98	3921.77

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	10/25/17	3974.62	52.51	54.11	1.60	3921.87
MW - 2	11/01/17	3974.62	52.50	54.13	1.63	3921.88
MW - 2	11/08/17	3974.62	52.48	53.30	0.82	3922.02
MW - 2	11/28/17	3974.62	52.46	53.40	0.94	3922.02
MW - 2	12/19/17	3974.62	52.45	54.29	1.84	3921.89
MW - 2	01/16/18	3974.62	52.38	54.28	1.90	3921.96
MW - 2	01/30/18	3974.62	52.45	54.18	1.73	3921.91
MW - 2	02/06/18	3974.62	52.48	54.34	1.86	3921.86
MW - 2	02/13/18	3974.62	52.50	54.36	1.86	3921.84
MW - 2	02/26/18	3974.62	52.47	54.12	1.65	3921.90
MW - 2	04/03/18	3974.62	52.48	54.09	1.61	3921.90
MW - 2	04/17/18	3974.62	52.46	54.12	1.66	3921.91
MW - 2	05/07/18	3974.62	52.46	54.64	2.18	3921.83
MW - 2	06/21/18	3974.62	52.49	54.37	1.88	3921.85
MW - 2	06/26/18	3974.62	52.48	54.35	1.87	3921.86
MW - 2	07/12/18	3974.62	52.51	54.36	1.85	3921.83
MW - 2	07/17/18	3974.62	52.51	54.37	1.86	3921.83
MW - 2	08/01/18	3974.62	52.53	54.39	1.86	3921.81
MW - 2	08/09/18	3974.62	52.52	54.34	1.82	3921.83
MW - 2	08/23/18	3974.62	52.54	54.43	1.89	3921.80
MW - 2	08/30/18	3974.62	52.57	53.51	0.94	3921.91
MW - 2	08/31/18	3974.62	52.59	54.21	1.62	3921.79
MW - 2	09/11/18	3974.62	52.63	53.91	1.28	3921.80
MW - 2	09/19/18	3974.62	52.57	53.91	1.34	3921.85
MW - 2	10/16/18	3974.62	52.57	53.96	1.39	3921.84
MW - 2	11/01/18	3974.62	52.56	53.81	1.25	3921.87
MW - 2	11/05/18	3974.62	52.52	54.16	1.64	3921.85
MW - 2	11/14/18	3974.62	52.52	53.79	1.27	3921.91
MW - 2	12/04/18	3974.62	52.53	54.58	2.05	3921.78
MW - 2	12/06/18	3974.62	52.51	54.56	2.05	3921.80
MW - 2	12/18/18	3974.62	52.65	54.02	1.37	3921.76
MW - 2	12/20/18	3974.62	52.66	54.52	1.86	3921.68
MW - 2	12/26/18	3974.62	52.62	53.99	1.37	3921.79
MW - 2	01/08/19	3974.62	52.62	54.01	1.39	3921.79
MW - 2	01/10/19	3974.62	52.61	53.97	1.36	3921.81
MW - 2	01/15/19	3974.62	52.66	53.92	1.26	3921.77
MW - 2	01/24/19	3974.62	52.88	53.91	1.03	3921.59
MW - 2	02/11/19	3974.62	52.80	53.99	1.19	3921.64
MW - 2	02/18/19	3974.62	52.48	53.97	1.49	3921.92
MW - 2	04/16/19	3974.62	52.74	54.01	1.27	3921.69
MW - 2	04/23/19	3974.62	52.88	54.21	1.33	3921.54
MW - 2	04/30/19	3974.62	52.55	54.39	1.84	3921.79
MW - 2	05/07/19	3974.62	52.72	54.10	1.38	3921.69

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	05/09/19	3974.62	52.78	54.09	1.31	3921.64
MW - 2	05/14/19	3974.62	52.67	54.01	1.34	3921.75
MW - 2	06/04/19	3974.62	52.80	54.01	1.21	3921.64
MW - 2	06/11/19	3974.62	52.82	53.98	1.16	3921.63
MW - 2	06/13/19	3974.62	52.77	53.99	1.22	3921.67
MW - 2	06/17/19	3974.62	52.58	53.76	1.18	3921.86
MW - 2	07/01/19	3974.62	52.51	53.97	1.46	3921.89
MW - 2	07/02/19	3974.62	52.56	53.80	1.24	3921.87
MW - 2	08/19/19	3974.62	52.59	53.24	0.65	3921.93
MW - 2	08/29/19	3974.62	52.58	53.29	0.71	3921.93
MW - 2	09/03/19	3974.62	52.51	53.26	0.75	3922.00
MW - 2	09/10/19	3974.62	52.49	53.24	0.75	3922.02
MW - 2	10/01/19	3974.62	52.54	53.22	0.68	3921.98
MW - 2	10/22/19	3974.62	52.56	53.31	0.75	3921.95
MW - 2	11/11/19	3974.62	52.65	53.27	0.62	3921.88
MW - 2	11/15/19	3974.62	52.60	55.24	2.64	3921.62
MW - 2	01/08/20	3974.62	52.57	55.30	2.73	3921.64
MW - 2	02/13/20	3974.62	52.74	54.45	1.71	3921.62
MW - 2	02/18/20	3974.62	52.69	54.44	1.75	3921.67
MW - 2	05/05/20	3974.62	52.60	55.12	2.52	3921.64
MW - 2	06/11/20	3974.62	52.60	55.26	2.66	3921.62
MW - 2	09/23/20	3974.62	52.67	55.67	3.00	3921.50
MW - 2	12/04/20	3974.62	52.67	55.69	3.02	3921.50
MW - 3	03/02/00	3974.60	52.71	55.03	2.32	3921.54
MW - 3	04/25/00	3974.60	52.61	55.09	2.48	3921.62
MW - 3	09/06/00	3974.60	52.54	55.66	3.12	3921.59
MW - 3	11/28/00	3974.60	52.64	55.57	2.93	3921.52
MW - 3	02/21/01	3974.60	52.94	53.50	0.56	3921.58
MW - 3	05/31/01	3974.60	52.51	55.71	3.20	3921.61
MW - 3	08/23/01	3974.60	52.46	55.80	3.34	3921.64
MW - 3	11/21/01	3974.60	52.46	55.81	3.35	3921.64
MW - 3	02/13/02	3974.60	52.51	55.78	3.27	3921.60
MW - 3	06/12/02	3974.60	52.47	55.17	2.70	3921.73
MW - 3	08/26/02	3974.60	55.74	52.49	-3.25	3919.35
MW - 3	11/08/02	3974.60	53.15	53.21	0.06	3921.44
MW - 3	11/21/02	3974.60	53.15	53.21	0.06	3921.44
MW - 3	12/27/02	3974.60	52.64	55.24	2.60	3921.57
MW - 3	01/06/03	3974.60	52.87	54.47	1.60	3921.49
MW - 3	01/08/03	3974.60	52.77	54.69	1.92	3921.54
MW - 3	01/10/03	3974.60	53.04	53.46	0.42	3921.50
MW - 3	01/13/03	3974.60	53.04	53.41	0.37	3921.50
MW - 3	02/05/03	3974.60	53.04	53.41	0.37	3921.50

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/26/03	3974.60	52.81	54.24	1.43	3921.58
MW - 3	03/04/03	3974.60	52.84	54.25	1.41	3921.55
MW - 3	03/12/03	3974.60	52.65	55.24	2.59	3921.56
MW - 3	03/18/03	3974.60	52.72	55.30	2.58	3921.49
MW - 3	03/25/03	3974.60	52.64	55.30	2.66	3921.56
MW - 3	03/31/03	3974.60	52.95	53.74	0.79	3921.53
MW - 3	04/09/03	3974.60	52.41	52.98	0.57	3922.10
MW - 3	04/14/03	3974.60	52.68	52.91	0.23	3921.89
MW - 3	05/07/03	3974.60	52.56	55.23	2.67	3921.64
MW - 3	05/08/03	3974.60	52.64	55.30	2.66	3921.56
MW - 3	05/13/03	3974.60	52.66	55.36	2.70	3921.54
MW - 3	05/21/03	3974.60	52.65	55.40	2.75	3921.54
MW - 3	05/28/03	3974.60	53.03	53.87	0.84	3921.44
MW - 3	06/03/03	3974.60	52.72	55.12	2.40	3921.52
MW - 3	06/09/03	3974.60	52.65	55.50	2.85	3921.52
MW - 3	07/01/03	3974.60	52.68	55.81	3.13	3921.45
MW - 3	07/08/03	3974.60	52.68	55.84	3.16	3921.45
MW - 3	07/29/03	3974.60	52.53	55.71	3.18	3921.59
MW - 3	08/04/03	3974.60	52.70	55.91	3.21	3921.42
MW - 3	08/18/03	3974.60	52.81	56.01	3.20	3921.31
MW - 3	08/25/03	3974.60	53.83	56.06	2.23	3920.44
MW - 3	10/01/03	3974.60	52.60	54.81	2.21	3921.67
MW - 3	10/06/03	3974.60	62.62	55.73	-6.89	3913.01
MW - 3	10/08/03	3974.60	52.90	56.09	3.19	3921.22
MW - 3	10/15/03	3974.60	52.89	56.04	3.15	3921.24
MW - 3	11/12/03	3974.60	53.21	56.72	3.51	3920.86
MW - 3	11/19/03	3974.60	52.99	56.08	3.09	3921.15
MW - 3	12/01/03	3974.60	53.05	56.08	3.03	3921.10
MW - 3	12/10/03	3974.60	52.72	55.74	3.02	3921.43
MW - 3	02/05/04	3974.60	53.04	56.11	3.07	3921.10
MW - 3	02/17/04	3974.60	52.80	55.64	2.84	3921.37
MW - 3	02/25/04	3974.60	53.03	56.08	3.05	3921.11
MW - 3	03/09/04	3974.60	52.83	55.86	3.03	3921.32
MW - 3	03/16/04	3974.60	52.79	55.81	3.02	3921.36
MW - 3	03/22/04	3974.60	52.85	54.16	1.31	3921.55
MW - 3	04/07/04	3974.60	52.87	53.18	0.31	3921.68
MW - 3	04/12/04	3974.60	52.97	55.02	2.05	3921.32
MW - 3	04/19/04	3974.60	52.80	53.06	0.26	3921.76
MW - 3	05/05/04	3974.60	52.87	55.57	2.70	3921.33
MW - 3	05/11/04	3974.60	53.02	55.68	2.66	3921.18
MW - 3	06/07/04	3974.60	52.62	55.29	2.67	3921.58
MW - 3	06/15/04	3974.60	52.65	55.27	2.62	3921.56
MW - 3	06/20/04	3974.60	52.65	55.27	2.62	3921.56

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	06/21/04	3974.60	52.61	55.32	2.71	3921.58
MW - 3	06/28/04	3974.60	52.62	55.34	2.72	3921.57
MW - 3	07/08/04	3974.60	52.60	55.31	2.71	3921.59
MW - 3	07/12/04	3974.60	52.57	55.33	2.76	3921.62
MW - 3	08/06/04	3974.60	52.69	55.36	2.67	3921.51
MW - 3	08/12/04	3974.60	52.68	55.37	2.69	3921.52
MW - 3	08/17/04	3974.60	52.63	55.30	2.67	3921.57
MW - 3	08/26/04	3974.60	52.63	55.79	3.16	3921.50
MW - 3	09/01/04	3974.60	52.74	55.15	2.41	3921.50
MW - 3	09/03/04	3974.60	52.83	55.22	2.39	3921.41
MW - 3	09/08/04	3974.60	52.78	55.42	2.64	3921.42
MW - 3	09/14/04	3974.60	52.76	55.05	2.29	3921.50
MW - 3	09/22/04	3974.60	52.86	55.05	2.19	3921.41
MW - 3	10/01/04	3974.60	52.73	55.30	2.57	3921.48
MW - 3	10/08/04	3974.60	52.78	55.16	2.38	3921.46
MW - 3	10/15/04	3974.60	52.65	54.80	2.15	3921.63
MW - 3	10/22/04	3974.60	52.66	55.20	2.54	3921.56
MW - 3	11/12/04	3974.60	53.11	53.44	0.33	3921.44
MW - 3	11/26/04	3974.60	53.10	53.60	0.50	3921.43
MW - 3	12/02/04	3974.60	53.25	53.50	0.25	3921.31
MW - 3	12/06/04	3974.60	53.09	53.59	0.50	3921.44
MW - 3	12/13/04	3974.60	53.12	53.60	0.48	3921.41
MW - 3	12/15/04	3974.60	53.12	53.60	0.48	3921.41
MW - 3	12/27/04	3974.60	52.87	54.20	1.33	3921.53
MW - 3	01/10/05	3974.60	52.72	54.54	1.82	3921.61
MW - 3	01/18/05	3974.60	52.70	54.70	2.00	3921.60
MW - 3	01/18/05	3974.60	52.81	53.85	1.04	3921.63
MW - 3	01/25/05	3974.60	52.65	54.58	1.93	3921.66
MW - 3	01/27/05	3974.60	52.70	54.40	1.70	3921.65
MW - 3	02/01/05	3974.60	52.66	54.47	1.81	3921.67
MW - 3	02/07/05	3974.60	52.60	54.49	1.89	3921.72
MW - 3	02/11/05	3974.60	52.63	54.38	1.75	3921.71
MW - 3	02/15/05	3974.60	52.64	54.36	1.72	3921.70
MW - 3	02/22/05	3974.60	52.50	54.89	2.39	3921.74
MW - 3	02/24/05	3974.60	52.51	54.85	2.34	3921.74
MW - 3	03/03/05	3974.60	52.49	54.90	2.41	3921.75
MW - 3	03/09/05	3974.60	52.49	54.92	2.43	3921.75
MW - 3	03/22/05	3974.60	52.52	54.84	2.32	3921.73
MW - 3	03/24/05	3974.60	52.52	54.84	2.32	3921.73
MW - 3	03/31/05	3974.60	DAMAGED		-	-
MW - 3	06/22/05	3974.60	52.45	54.60	2.15	3921.83
MW - 3	07/21/05	3974.60	52.38	54.60	2.22	3921.89
MW - 3	08/03/05	3974.60	52.40	54.52	2.12	3921.88

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	08/12/05	3974.60	52.39	53.43	1.04	3922.05
MW - 3	08/15/05	3974.60	52.44	54.27	1.83	3921.89
MW - 3	08/22/05	3974.60	52.43	54.34	1.91	3921.88
MW - 3	08/30/05	3974.60	52.39	54.38	1.99	3921.91
MW - 3	09/07/05	3974.60	52.40	54.39	1.99	3921.90
MW - 3	09/14/05	3974.60	52.43	54.30	1.87	3921.89
MW - 3	09/20/05	3974.60	52.40	54.20	1.80	3921.93
MW - 3	09/21/05	3974.60	52.43	54.33	1.90	3921.89
MW - 3	09/28/05	3974.60	52.39	54.36	1.97	3921.91
MW - 3	10/06/05	3974.60	52.30	54.68	2.38	3921.94
MW - 3	10/13/05	3974.60	52.30	54.66	2.36	3921.95
MW - 3	10/20/05	3974.60	52.31	54.60	2.29	3921.95
MW - 3	10/26/05	3974.60	52.32	54.60	2.28	3921.94
MW - 3	11/03/05	3974.60	52.28	54.59	2.31	3921.97
MW - 3	11/10/05	3974.60	52.27	54.62	2.35	3921.98
MW - 3	11/16/05	3974.60	52.31	54.58	2.27	3921.95
MW - 3	11/23/05	3974.60	52.36	54.50	2.14	3921.92
MW - 3	11/28/05	3974.60	52.25	54.60	2.35	3922.00
MW - 3	12/05/05	3974.60	52.30	54.49	2.19	3921.97
MW - 3	12/12/05	3974.60	52.29	54.51	2.22	3921.98
MW - 3	12/16/05	3974.60	52.89	53.78	0.89	3921.58
MW - 3	12/19/05	3974.60	52.36	54.53	2.17	3921.91
MW - 3	12/29/05	3974.60	52.28	54.60	2.32	3921.97
MW - 3	01/04/06	3974.60	52.33	54.58	2.25	3921.93
MW - 3	01/10/06	3974.60	52.29	54.58	2.29	3921.97
MW - 3	01/17/06	3974.60	52.28	54.52	2.24	3921.98
MW - 3	01/26/06	3974.60	52.27	54.52	2.25	3921.99
MW - 3	01/31/06	3974.60	52.28	54.50	2.22	3921.99
MW - 3	02/07/06	3974.60	52.27	54.46	2.19	3922.00
MW - 3	02/09/06	3974.60	52.36	54.15	1.79	3921.97
MW - 3	02/13/06	3974.60	52.25	54.49	2.24	3922.01
MW - 3	02/22/06	3974.60	52.25	54.53	2.28	3922.01
MW - 3	02/28/06	3974.60	52.27	54.50	2.23	3922.00
MW - 3	03/07/06	3974.60	52.28	54.46	2.18	3921.99
MW - 3	03/15/06	3974.60	52.25	54.44	2.19	3922.02
MW - 3	03/20/06	3974.60	52.24	54.37	2.13	3922.04
MW - 3	03/22/06	3974.60	52.71	52.78	0.07	3921.88
MW - 3	03/29/06	3974.60	52.28	54.11	1.83	3922.05
MW - 3	04/11/06	3974.60	52.23	54.29	2.06	3922.06
MW - 3	04/18/06	3974.60	52.23	54.32	2.09	3922.06
MW - 3	04/25/06	3974.60	52.32	54.12	1.80	3922.01
MW - 3	05/02/06	3974.60	52.23	54.43	2.20	3922.04
MW - 3	05/09/06	3974.60	52.22	54.30	2.08	3922.07

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/16/06	3974.60	52.22	54.29	2.07	3922.07
MW - 3	05/23/06	3974.60	52.23	54.30	2.07	3922.06
MW - 3	05/31/06	3974.60	52.23	54.31	2.08	3922.06
MW - 3	06/06/06	3974.60	52.22	54.21	1.99	3922.08
MW - 3	06/13/06	3974.60	52.21	54.24	2.03	3922.09
MW - 3	06/20/06	3974.60	52.21	54.23	2.02	3922.09
MW - 3	06/21/06	3974.60	52.34	53.66	1.32	3922.06
MW - 3	07/06/06	3974.60	52.22	54.25	2.03	3922.08
MW - 3	07/12/06	3974.60	52.29	53.96	1.67	3922.06
MW - 3	07/20/06	3974.60	52.25	53.99	1.74	3922.09
MW - 3	07/25/06	3974.60	52.29	53.88	1.59	3922.07
MW - 3	08/01/06	3974.60	52.29	53.90	1.61	3922.07
MW - 3	08/16/06	3974.60	52.32	53.78	1.46	3922.06
MW - 3	08/23/06	3974.60	53.33	53.75	0.42	3921.21
MW - 3	08/28/06	3974.60	52.32	53.79	1.47	3922.06
MW - 3	09/12/06	3974.60	52.32	53.77	1.45	3922.06
MW - 3	09/22/06	3974.60	52.34	54.01	1.67	3922.01
MW - 3	10/06/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	10/10/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	12/04/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	12/15/06	3974.60	WELL OBSTRUCTED		-	-
MW - 3	01/05/07	3974.60	WELL OBSTRUCTED		-	-
MW - 3	02/09/07	3974.60	INSUFFICIENT		-	-
MW - 3	03/14/07	3974.60	52.20	53.73	1.53	3922.17
MW - 3	03/26/07	3974.60	52.16	53.99	1.83	3922.17
MW - 3	04/03/07	3974.60	52.14	54.06	1.92	3922.17
MW - 3	04/09/07	3974.60	52.13	54.03	1.90	3922.19
MW - 3	04/26/07	3974.60	52.13	54.06	1.93	3922.18
MW - 3	04/30/07	3974.60	52.16	53.96	1.80	3922.17
MW - 3	05/11/07	3974.60	52.13	54.00	1.87	3922.19
MW - 3	05/16/07	3974.60	52.16	53.90	1.74	3922.18
MW - 3	05/22/07	3974.60	52.14	53.93	1.79	3922.19
MW - 3	05/29/07	3974.60	52.13	53.94	1.81	3922.20
MW - 3	06/01/07	3974.60	52.12	53.96	1.84	3922.20
MW - 3	06/08/07	3974.60	52.13	53.95	1.82	3922.20
MW - 3	06/11/07	3974.60	52.18	53.80	1.62	3922.18
MW - 3	06/20/07	3974.60	52.13	53.90	1.77	3922.20
MW - 3	07/10/07	3974.60	52.12	53.90	1.78	3922.21
MW - 3	07/20/07	3974.60	52.12	53.90	1.78	3922.21
MW - 3	07/25/07	3974.60	52.12	53.84	1.72	3922.22
MW - 3	08/01/07	3974.60	52.11	53.81	1.70	3922.24
MW - 3	08/10/07	3974.60	52.12	53.86	1.74	3922.22
MW - 3	08/15/07	3974.60	52.12	53.77	1.65	3922.23

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	08/30/07	3974.60	52.12	53.83	1.71	3922.22
MW - 3	08/31/07	3974.60	52.12	53.83	1.71	3922.22
MW - 3	09/10/07	3974.60	52.11	53.81	1.70	3922.24
MW - 3	09/19/07	3974.60	52.11	53.79	1.68	3922.24
MW - 3	10/01/07	3974.60	52.22	53.36	1.14	3922.21
MW - 3	10/19/07	3974.60	52.14	53.59	1.45	3922.24
MW - 3	11/12/07	3974.60	52.15	53.52	1.37	3922.24
MW - 3	12/13/07	3974.60	52.08	53.72	1.64	3922.27
MW - 3	03/07/08	3974.60	52.06	53.62	1.56	3922.31
MW - 3	05/29/08	3974.60	52.04	53.41	1.37	3922.35
MW - 3	06/02/08	3974.60	52.04	53.35	1.31	3922.36
MW - 3	06/03/08	3974.60	52.04	53.35	1.31	3922.36
MW - 3	08/02/08	3974.60	52.05	53.45	1.40	3922.34
MW - 3	09/03/08	3974.60	52.01	53.42	1.41	3922.38
MW - 3	09/19/08	3974.60	52.13	53.38	1.25	3922.28
MW - 3	09/26/08	3974.60	52.08	53.38	1.30	3922.33
MW - 3	10/10/08	3974.60	52.01	53.34	1.33	3922.39
MW - 3	10/17/08	3974.60	52.04	53.32	1.28	3922.37
MW - 3	10/21/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	10/30/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/04/08	3974.60	52.03	53.26	1.23	3922.39
MW - 3	11/18/08	3974.60	52.03	53.30	1.27	3922.38
MW - 3	11/25/08	3974.60	52.06	53.33	1.27	3922.35
MW - 3	12/10/08	3974.60	52.04	53.29	1.25	3922.37
MW - 3	12/18/08	3974.60	52.02	53.31	1.29	3922.39
MW - 3	01/06/09	3974.60	52.00	53.29	1.29	3922.41
MW - 3	01/14/09	3974.60	52.03	53.31	1.28	3922.38
MW - 3	01/21/09	3974.60	52.03	53.25	1.22	3922.39
MW - 3	01/22/09	3974.60	52.02	53.02	1.00	3922.43
MW - 3	01/30/09	3974.60	52.04	53.27	1.23	3922.38
MW - 3	02/03/09	3974.60	52.03	53.20	1.17	3922.39
MW - 3	02/12/09	3974.60	52.02	53.20	1.18	3922.40
MW - 3	02/19/09	3974.60	52.02	53.17	1.15	3922.41
MW - 3	03/04/09	3974.60	52.05	53.03	0.98	3922.40
MW - 3	03/06/09	3974.60	52.01	53.05	1.04	3922.43
MW - 3	03/11/09	3974.60	52.04	53.19	1.15	3922.39
MW - 3	03/16/09	3974.60	52.08	53.06	0.98	3922.37
MW - 3	03/19/09	3974.60	52.03	53.19	1.16	3922.40
MW - 3	03/24/09	3974.60	51.99	52.92	0.93	3922.47
MW - 3	04/03/09	3974.60	51.58	52.70	1.12	3922.85
MW - 3	04/15/09	3974.60	52.01	53.10	1.09	3922.43
MW - 3	04/17/09	3974.60	52.07	53.04	0.97	3922.38
MW - 3	04/22/09	3974.60	51.97	53.06	1.09	3922.47

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	04/29/09	3974.60	52.06	53.14	1.08	3922.38
MW - 3	05/20/09	3974.60	52.00	53.09	1.09	3922.44
MW - 3	05/20/09	3974.60	52.00	53.09	1.09	3922.44
MW - 3	06/09/09	3974.60	51.99	53.14	1.15	3922.44
MW - 3	06/17/09	3974.60	52.00	53.12	1.12	3922.43
MW - 3	06/23/09	3974.60	51.95	53.08	1.13	3922.48
MW - 3	07/01/09	3974.60	52.00	53.16	1.16	3922.43
MW - 3	07/08/09	3974.60	52.02	53.14	1.12	3922.41
MW - 3	07/15/09	3974.60	52.00	53.08	1.08	3922.44
MW - 3	07/17/09	3974.60	52.04	53.05	1.01	3922.41
MW - 3	07/23/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	07/24/09	3974.60	52.05	52.87	0.82	3922.43
MW - 3	07/30/09	3974.60	52.08	53.19	1.11	3922.35
MW - 3	08/04/09	3974.60	52.00	53.02	1.02	3922.45
MW - 3	08/12/09	3974.60	52.02	53.08	1.06	3922.42
MW - 3	08/20/09	3974.60	52.00	53.08	1.08	3922.44
MW - 3	08/26/09	3974.60	51.98	52.73	0.75	3922.51
MW - 3	09/02/09	3974.60	51.99	53.11	1.12	3922.44
MW - 3	09/09/09	3974.60	52.02	53.11	1.09	3922.42
MW - 3	09/14/09	3974.60	52.01	53.06	1.05	3922.43
MW - 3	09/21/09	3974.60	52.01	53.10	1.09	3922.43
MW - 3	10/01/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	10/08/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	10/08/09	3974.60	52.02	53.12	1.10	3922.42
MW - 3	10/14/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	10/21/09	3974.60	52.02	53.15	1.13	3922.41
MW - 3	10/28/09	3974.60	52.97	53.09	0.12	3921.61
MW - 3	11/04/09	3974.60	51.99	53.02	1.03	3922.46
MW - 3	11/11/09	3974.60	51.99	53.00	1.01	3922.46
MW - 3	11/18/09	3974.60	52.03	53.10	1.07	3922.41
MW - 3	11/25/09	3974.60	51.99	53.09	1.10	3922.45
MW - 3	12/02/09	3974.60	52.02	53.09	1.07	3922.42
MW - 3	12/10/09	3974.60	52.00	53.03	1.03	3922.45
MW - 3	12/17/09	3974.60	52.06	53.05	0.99	3922.39
MW - 3	12/21/09	3974.60	52.02	52.72	0.70	3922.48
MW - 3	12/30/09	3974.60	52.11	52.99	0.88	3922.36
MW - 3	01/07/10	3974.60	52.06	52.72	0.66	3922.44
MW - 3	01/18/10	3974.60	52.08	52.64	0.56	3922.44
MW - 3	02/02/10	3974.60	52.02	52.93	0.91	3922.44
MW - 3	02/11/10	3974.60	51.97	52.91	0.94	3922.49
MW - 3	02/18/10	3974.60	51.98	51.99	0.01	3922.62
MW - 3	02/25/10	3974.60	52.04	53.00	0.96	3922.42
MW - 3	03/02/10	3974.60	52.05	52.95	0.90	3922.42

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	03/04/10	3974.60	52.00	52.83	0.83	3922.48
MW - 3	03/10/10	3974.60	51.98	52.93	0.95	3922.48
MW - 3	03/12/10	3974.60	52.07	52.84	0.77	3922.41
MW - 3	03/15/10	3974.60	52.03	52.77	0.74	3922.46
MW - 3	03/18/10	3974.60	52.06	52.77	0.71	3922.43
MW - 3	03/22/10	3974.60	52.10	52.80	0.70	3922.40
MW - 3	03/24/10	3974.60	52.12	52.73	0.61	3922.39
MW - 3	03/30/10	3974.60	52.08	52.74	0.66	3922.42
MW - 3	04/07/10	3974.60	52.10	52.74	0.64	3922.40
MW - 3	04/12/10	3974.60	52.00	52.72	0.72	3922.49
MW - 3	04/16/10	3974.60	52.39	54.08	1.69	3921.96
MW - 3	04/20/10	3974.60	52.34	53.61	1.27	3922.07
MW - 3	04/27/10	3974.60	52.42	53.74	1.32	3921.98
MW - 3	04/30/10	3974.60	52.32	53.31	0.99	3922.13
MW - 3	05/12/10	3974.60	52.36	53.78	1.42	3922.03
MW - 3	05/14/10	3974.60	52.33	53.33	1.00	3922.12
MW - 3	05/17/10	3974.60	52.52	53.74	1.22	3921.90
MW - 3	05/20/10	3974.60	52.37	53.78	1.41	3922.02
MW - 3	05/25/10	3974.60	52.26	53.13	0.87	3922.21
MW - 3	06/01/10	3974.60	52.25	53.14	0.89	3922.22
MW - 3	06/09/10	3974.60	52.27	53.11	0.84	3922.20
MW - 3	06/16/10	3974.60	52.28	52.96	0.68	3922.22
MW - 3	06/28/10	3974.60	52.32	53.37	1.05	3922.12
MW - 3	07/09/10	3974.60	52.29	52.94	0.65	3922.21
MW - 3	07/23/10	3974.60	51.99	52.67	0.68	3922.51
MW - 3	07/29/10	3974.60	51.99	52.68	0.69	3922.51
MW - 3	08/05/10	3974.60	51.98	52.70	0.72	3922.51
MW - 3	08/12/10	3974.60	51.98	52.73	0.75	3922.51
MW - 3	08/16/10	3974.60	51.98	52.73	0.75	3922.51
MW - 3	08/18/10	3974.60	51.98	52.75	0.77	3922.50
MW - 3	08/26/10	3974.60	52.11	53.04	0.93	3922.35
MW - 3	09/02/10	3974.60	52.19	53.40	1.21	3922.23
MW - 3	09/09/10	3974.60	51.96	52.71	0.75	3922.53
MW - 3	09/30/10	3974.60	52.04	52.58	0.54	3922.48
MW - 3	10/07/10	3974.60	52.04	52.65	0.61	3922.47
MW - 3	10/14/10	3974.60	52.30	53.90	1.60	3922.06
MW - 3	10/21/10	3974.60	52.28	53.89	1.61	3922.08
MW - 3	11/04/10	3974.60	52.18	53.24	1.06	3922.26
MW - 3	11/10/10	3974.60	52.29	53.87	1.58	3922.07
MW - 3	12/01/10	3974.60	51.96	52.81	0.85	3922.51
MW - 3	12/08/10	3974.60	52.09	53.16	1.07	3922.35
MW - 3	01/26/11	3974.60	52.00	52.75	0.75	3922.49
MW - 3	02/28/11	3974.60	52.27	53.87	1.60	3922.09

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	03/04/11	3974.60	52.08	52.88	0.80	3922.40
MW - 3	03/09/11	3974.60	52.07	53.57	1.50	3922.31
MW - 3	04/28/11	3974.60	52.11	53.12	1.01	3922.34
MW - 3	05/04/11	3974.60	52.09	52.12	0.03	3922.51
MW - 3	05/11/11	3974.60	52.14	53.11	0.97	3922.31
MW - 3	05/12/11	3974.60	52.10	53.06	0.96	3922.36
MW - 3	05/18/11	3974.60	52.13	53.18	1.05	3922.31
MW - 3	05/23/11	3974.60	52.07	53.02	0.95	3922.39
MW - 3	06/08/11	3974.60	52.11	53.19	1.08	3922.33
MW - 3	06/16/11	3974.60	52.09	53.05	0.96	3922.37
MW - 3	06/22/11	3974.60	52.11	53.10	0.99	3922.34
MW - 3	06/30/11	3974.60	52.05	53.52	1.47	3922.33
MW - 3	07/06/11	3974.60	51.98	53.15	1.17	3922.44
MW - 3	07/13/11	3974.60	52.08	53.25	1.17	3922.34
MW - 3	07/15/11	3974.60	52.10	53.50	1.40	3922.29
MW - 3	07/19/11	3974.60	52.15	53.08	0.93	3922.31
MW - 3	07/21/11	3974.60	52.02	53.04	1.02	3922.43
MW - 3	07/26/11	3974.60	52.15	53.05	0.90	3922.32
MW - 3	07/28/11	3974.60	52.12	53.06	0.94	3922.34
MW - 3	08/02/11	3974.60	52.25	53.76	1.51	3922.12
MW - 3	08/09/11	3974.60	52.20	53.68	1.48	3922.18
MW - 3	08/12/11	3974.60	52.13	53.38	1.25	3922.28
MW - 3	08/15/11	3974.60	52.13	53.38	1.25	3922.28
MW - 3	08/16/11	3974.60	52.12	53.80	1.68	3922.23
MW - 3	08/19/11	3974.60	52.13	53.71	1.58	3922.23
MW - 3	08/23/11	3974.60	52.16	53.30	1.14	3922.27
MW - 3	08/26/11	3974.60	52.21	53.25	1.04	3922.23
MW - 3	08/30/11	3974.60	52.02	52.69	0.67	3922.48
MW - 3	09/01/11	3974.60	52.05	52.42	0.37	3922.49
MW - 3	09/08/11	3974.60	52.14	53.89	1.75	3922.20
MW - 3	09/13/11	3974.60	52.10	53.49	1.39	3922.29
MW - 3	09/15/11	3974.60	52.22	52.28	0.06	3922.37
MW - 3	09/22/11	3974.60	52.03	52.75	0.72	3922.46
MW - 3	10/06/11	3974.60	52.04	52.92	0.88	3922.43
MW - 3	10/11/11	3974.60	52.17	53.19	1.02	3922.28
MW - 3	10/13/11	3974.60	52.19	53.91	1.72	3922.15
MW - 3	10/26/11	3974.60	51.13	53.36	2.23	3923.14
MW - 3	11/22/11	3974.60	52.17	53.24	1.07	3922.27
MW - 3	12/02/11	3974.60	52.01	52.94	0.93	3922.45
MW - 3	12/29/11	3974.60	51.99	52.86	0.87	3922.48
MW - 3	01/26/12	3974.60	52.04	53.28	1.24	3922.37
MW - 3	01/31/12	3974.60	52.08	53.40	1.32	3922.32
MW - 3	02/15/12	3974.60	52.01	52.83	0.82	3922.47

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	02/28/12	3974.60	52.04	53.24	1.20	3922.38
MW - 3	03/20/12	3974.60	52.07	53.42	1.35	3922.33
MW - 3	03/27/12	3974.60	52.57	53.37	0.80	3921.91
MW - 3	04/10/12	3974.60	52.13	53.36	1.23	3922.29
MW - 3	04/19/12	3974.60	52.09	53.43	1.34	3922.31
MW - 3	04/26/12	3974.60	52.00	52.75	0.75	3922.49
MW - 3	05/08/12	3974.60	52.01	52.76	0.75	3922.48
MW - 3	05/15/12	3974.60	51.98	53.01	1.03	3922.47
MW - 3	05/17/12	3974.60	51.96	53.02	1.06	3922.48
MW - 3	06/05/12	3974.60	52.03	53.40	1.37	3922.36
MW - 3	06/21/12	3974.60	52.02	53.51	1.49	3922.36
MW - 3	06/28/12	3974.60	52.02	53.57	1.55	3922.35
MW - 3	07/17/12	3974.60	52.00	53.23	1.23	3922.42
MW - 3	08/01/12	3974.60	52.08	53.13	1.05	3922.36
MW - 3	10/02/12	3974.60	52.08	53.48	1.40	3922.31
MW - 3	10/09/12	3974.60	52.04	53.89	1.85	3922.28
MW - 3	10/16/12	3974.60	52.10	53.32	1.22	3922.32
MW - 3	10/25/12	3974.60	52.09	53.50	1.41	3922.30
MW - 3	10/30/12	3974.60	52.08	53.51	1.43	3922.31
MW - 3	11/29/12	3974.60	52.05	54.10	2.05	3922.24
MW - 3	12/14/12	3974.60	52.10	53.63	1.53	3922.27
MW - 3	02/11/13	3974.60	52.12	53.29	1.17	3922.30
MW - 3	03/18/13	3974.60	52.29	52.48	0.19	3922.28
MW - 3	04/11/13	3974.60	52.58	52.65	0.07	3922.01
MW - 3	05/06/13	3974.60	52.17	53.08	0.91	3922.29
MW - 3	05/29/13	3974.60	52.55	52.69	0.14	3922.03
MW - 3	06/26/13	3974.60	52.63	52.68	0.05	3921.96
MW - 3	07/31/13	3974.60	52.46	52.49	0.03	3922.14
MW - 3	08/06/13	3974.60	52.46	52.48	0.02	3922.14
MW - 3	09/30/13	3974.60	52.50	52.60	0.10	3922.09
MW - 3	11/18/13	3974.60	52.32	53.19	0.87	3922.15
MW - 3	02/04/14	3974.60	52.36	53.10	0.74	3922.13
MW - 3	04/28/14	3974.60	52.34	53.06	0.72	3922.15
MW - 3	05/28/14	3974.60	52.53	52.85	0.32	3922.02
MW - 3	07/30/14	3974.60	53.79	53.80	0.01	3920.81
MW - 3	08/23/14	3974.60	53.27	53.80	0.53	3921.25
MW - 3	09/10/14	3974.60	52.51	53.42	0.91	3921.95
MW - 3	09/23/14	3974.60	52.38	53.97	1.59	3921.98
MW - 3	10/31/14	3974.60	52.49	52.91	0.42	3922.05
MW - 3	11/18/14	3974.60	52.45	53.30	0.85	3922.02
MW - 3	01/05/15	3974.60	52.71	53.09	0.38	3921.83
MW - 3	01/09/15	3974.60	52.34	53.57	1.23	3922.08
MW - 3	01/14/15	3974.60	52.33	53.66	1.33	3922.07

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	01/21/15	3974.60	52.72	53.07	0.35	3921.83
MW - 3	02/19/15	3974.60	52.74	52.82	0.08	3921.85
MW - 3	03/09/15	3974.60	52.74	53.09	0.35	3921.81
MW - 3	03/11/15	3974.60	52.81	53.19	0.38	3921.73
MW - 3	03/31/15	3974.60	52.74	53.09	0.35	3921.81
MW - 3	04/09/15	3974.60	52.44	52.92	0.48	3922.09
MW - 3	04/15/15	3974.60	52.33	52.37	0.04	3922.26
MW - 3	04/22/15	3974.60	52.33	53.50	1.17	3922.09
MW - 3	05/12/15	3974.60	52.30	53.62	1.32	3922.10
MW - 3	05/26/15	3974.60	52.71	53.04	0.33	3921.84
MW - 3	06/01/15	3974.60	52.34	53.41	1.07	3922.10
MW - 3	06/04/15	3974.60	52.29	53.67	1.38	3922.10
MW - 3	07/27/15	3974.60	52.71	52.73	0.02	3921.89
MW - 3	08/18/15	3974.60	52.45	52.85	0.40	3922.09
MW - 3	10/08/15	3974.60	52.74	53.21	0.47	3921.79
MW - 3	10/21/15	3974.60	52.49	53.15	0.66	3922.01
MW - 3	11/23/15	3974.60	53.31	54.94	1.63	3921.05
MW - 3	01/12/16	3974.60	52.51	53.35	0.84	3921.96
MW - 3	02/11/16	3974.60	52.47	53.04	0.57	3922.04
MW - 3	02/24/16	3974.60	52.49	53.07	0.58	3922.02
MW - 3	06/13/16	3974.60	52.47	53.13	0.66	3922.03
MW - 3	08/02/16	3974.60	52.52	53.56	1.04	3921.92
MW - 3	11/28/16	3974.60	52.45	53.40	0.95	3922.01
MW - 3	02/21/17	3974.60	52.48	53.31	0.83	3922.00
MW - 3	05/24/17	3974.60	52.50	53.09	0.59	3922.01
MW - 3	07/12/17	3974.60	52.50	53.09	0.59	3922.01
MW - 3	08/11/17	3974.60	52.54	53.11	0.57	3921.97
MW - 3	10/18/17	3974.60	52.67	53.54	0.87	3921.80
MW - 3	11/28/17	3974.60	52.55	53.56	1.01	3921.90
MW - 3	12/19/17	3974.60	52.53	53.66	1.13	3921.90
MW - 3	01/16/18	3974.60	52.45	54.08	1.63	3921.91
MW - 3	02/26/18	3974.60	52.60	53.20	0.60	3921.91
MW - 3	04/03/18	3974.60	52.59	53.24	0.65	3921.91
MW - 3	04/17/18	3974.60	52.52	53.49	0.97	3921.93
MW - 3	05/07/18	3974.60	52.76	52.94	0.18	3921.81
MW - 3	06/26/18	3974.60	52.60	53.61	1.01	3921.85
MW - 3	07/12/18	3974.60	52.48	54.28	1.80	3921.85
MW - 3	08/01/18	3974.60	52.60	54.50	1.90	3921.72
MW - 3	08/09/18	3974.60	52.45	54.32	1.87	3921.87
MW - 3	08/23/18	3974.60	52.47	54.49	2.02	3921.83
MW - 3	08/30/18	3974.60	52.69	53.49	0.80	3921.79
MW - 3	08/31/18	3974.60	52.49	54.38	1.89	3921.83
MW - 3	09/11/18	3974.60	52.53	54.13	1.60	3921.83

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	09/13/18	3974.60	52.55	53.71	1.16	3921.88
MW - 3	09/19/18	3974.60	52.54	54.19	1.65	3921.81
MW - 3	09/26/18	3974.60	52.31	53.37	1.06	3922.13
MW - 3	10/04/18	3974.60	52.50	53.68	1.18	3921.92
MW - 3	11/14/18	3974.60	52.65	52.88	0.23	3921.92
MW - 3	12/18/18	3974.60	52.64	53.81	1.17	3921.78
MW - 3	02/18/19	3974.60	52.64	53.59	0.95	3921.82
MW - 3	05/14/19	3974.60	52.54	53.94	1.40	3921.85
MW - 3	08/19/19	3974.60	52.85	53.77	0.92	3921.61
MW - 3	11/11/19	3974.60	52.90	53.81	0.91	3921.56
MW - 3	01/08/20	3974.60	52.74	54.16	1.42	3921.65
MW - 3	02/18/20	3974.60	52.73	53.96	1.23	3921.69
MW - 3	05/05/20	3974.60	52.71	54.24	1.53	3921.66
MW - 3	06/11/20	3974.60	52.73	54.43	1.70	3921.62
MW - 3	09/23/20	3974.60	52.75	54.82	2.07	3921.54
MW - 3	12/04/20	3974.60	52.77	54.84	2.07	3921.52
MW - 4	03/02/00	3974.53	52.58	54.30	1.72	3921.69
MW - 4	04/25/00	3974.53	52.59	54.38	1.79	3921.67
MW - 4	09/06/00	3974.53	52.44	55.11	2.67	3921.69
MW - 4	11/28/00	3974.53	52.48	55.25	2.77	3921.63
MW - 4	02/21/01	3974.53	52.38	55.15	2.77	3921.73
MW - 4	05/31/01	3974.53	52.43	55.22	2.79	3921.68
MW - 4	08/23/01	3974.53	52.38	55.24	2.86	3921.72
MW - 4	11/21/01	3974.53	52.37	55.15	2.78	3921.74
MW - 4	02/13/02	3974.53	52.42	55.21	2.79	3921.69
MW - 4	06/12/02	3974.53	52.31	55.44	3.13	3921.75
MW - 4	08/26/02	3974.53	52.33	55.50	3.17	3921.72
MW - 4	11/08/02	3974.53	52.94	53.18	0.24	3921.55
MW - 4	11/21/02	3974.53	52.61	54.63	2.02	3921.62
MW - 4	12/27/02	3974.53	52.53	54.86	2.33	3921.65
MW - 4	01/06/03	3974.53	52.74	53.93	1.19	3921.61
MW - 4	01/08/03	3974.53	52.77	53.81	1.04	3921.60
MW - 4	01/10/03	3974.53	52.86	53.31	0.45	3921.60
MW - 4	01/13/03	3974.53	52.87	53.26	0.39	3921.60
MW - 4	02/05/03	3974.53	52.91	52.99	0.08	3921.61
MW - 4	02/26/03	3974.53	52.72	53.86	1.14	3921.64
MW - 4	03/04/03	3974.53	52.70	53.86	1.16	3921.66
MW - 4	03/12/03	3974.53	52.78	53.69	0.91	3921.61
MW - 4	03/18/03	3974.53	52.91	53.30	0.39	3921.56
MW - 4	03/25/03	3974.53	52.85	53.32	0.47	3921.61
MW - 4	03/31/03	3974.53	52.82	53.41	0.59	3921.62
MW - 4	04/09/03	3974.53	52.81	53.33	0.52	3921.64

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	04/14/03	3974.53	52.79	53.48	0.69	3921.64
MW - 4	05/07/03	3974.53	52.50	54.57	2.07	3921.72
MW - 4	05/08/03	3974.53	52.58	54.67	2.09	3921.64
MW - 4	05/13/03	3974.53	52.57	54.66	2.09	3921.65
MW - 4	05/21/03	3974.53	52.58	54.71	2.13	3921.63
MW - 4	05/27/03	3974.53	52.73	53.62	0.89	3921.67
MW - 4	05/28/03	3974.53	52.82	53.65	0.83	3921.59
MW - 4	06/03/03	3974.53	52.68	54.35	1.67	3921.60
MW - 4	06/10/03	3974.53	52.82	53.60	0.78	3921.59
MW - 4	07/01/03	3974.53	52.91	53.66	0.75	3921.51
MW - 4	07/08/03	3974.53	52.77	54.30	1.53	3921.53
MW - 4	07/29/03	3974.53	52.57	54.38	1.81	3921.69
MW - 4	08/04/03	3974.53	52.85	54.17	1.32	3921.48
MW - 4	08/18/03	3974.53	52.84	53.39	0.55	3921.61
MW - 4	08/25/03	3974.53	52.85	54.86	2.01	3921.38
MW - 4	10/06/03	3974.53	52.91	53.17	0.26	3921.58
MW - 4	10/08/03	3974.53	53.12	53.98	0.86	3921.28
MW - 4	10/15/03	3974.53	53.14	53.88	0.74	3921.28
MW - 4	11/12/03	3974.53	53.14	54.94	1.80	3921.12
MW - 4	11/19/03	3974.53	53.10	54.58	1.48	3921.21
MW - 4	12/01/03	3974.53	53.29	53.70	0.41	3921.18
MW - 4	12/10/03	3974.53	52.96	53.50	0.54	3921.49
MW - 4	02/05/04	3974.53	53.32	53.78	0.46	3921.14
MW - 4	02/17/04	3974.53	53.87	54.28	0.41	3920.60
MW - 4	02/25/04	3974.53	53.28	53.80	0.52	3921.17
MW - 4	03/09/04	3974.53	52.84	54.59	1.75	3921.43
MW - 4	03/16/04	3974.53	52.85	54.56	1.71	3921.42
MW - 4	03/22/04	3974.53	52.84	53.14	0.30	3921.65
MW - 4	04/07/04	3974.53	52.90	53.37	0.47	3921.56
MW - 4	04/12/04	3974.53	52.83	54.74	1.91	3921.41
MW - 4	04/19/04	3974.53	52.87	52.99	0.12	3921.64
MW - 4	05/05/04	3974.53	52.82	54.83	2.01	3921.41
MW - 4	05/11/04	3974.53	53.00	54.74	1.74	3921.27
MW - 4	06/07/04	3974.53	52.58	54.57	1.99	3921.65
MW - 4	06/15/04	3974.53	52.60	54.49	1.89	3921.65
MW - 4	06/20/04	3974.53	52.60	54.49	1.89	3921.65
MW - 4	06/21/04	3974.53	52.56	54.55	1.99	3921.67
MW - 4	06/28/04	3974.53	52.57	54.51	1.94	3921.67
MW - 4	07/08/04	3974.53	52.55	54.53	1.98	3921.68
MW - 4	07/12/04	3974.53	52.54	54.52	1.98	3921.69
MW - 4	08/06/04	3974.53	52.58	54.51	1.93	3921.66
MW - 4	08/12/04	3974.53	52.60	54.59	1.99	3921.63
MW - 4	08/17/04	3974.53	52.64	54.72	2.08	3921.58

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/26/04	3974.53	52.60	54.79	2.19	3921.60
MW - 4	09/01/04	3974.53	52.67	54.40	1.73	3921.60
MW - 4	09/03/04	3974.53	52.67	54.45	1.78	3921.59
MW - 4	09/08/04	3974.53	52.66	54.63	1.97	3921.57
MW - 4	09/14/04	3974.53	52.69	54.46	1.77	3921.57
MW - 4	09/22/04	3974.53	52.81	54.39	1.58	3921.48
MW - 4	10/01/04	3974.53	52.67	54.62	1.95	3921.57
MW - 4	10/08/04	3974.53	52.69	54.44	1.75	3921.58
MW - 4	10/15/04	3974.53	52.60	54.30	1.70	3921.68
MW - 4	10/22/04	3974.53	52.62	54.56	1.94	3921.62
MW - 4	11/12/04	3974.53	52.68	53.69	1.01	3921.70
MW - 4	11/26/04	3974.53	52.65	54.55	1.90	3921.60
MW - 4	12/02/04	3974.53	52.70	54.50	1.80	3921.56
MW - 4	12/06/04	3974.53	52.77	54.21	1.44	3921.54
MW - 4	12/13/04	3974.53	52.72	54.40	1.68	3921.56
MW - 4	12/15/04	3974.53	52.72	54.40	1.68	3921.56
MW - 4	12/27/04	3974.53	52.65	54.47	1.82	3921.61
MW - 4	01/10/05	3974.53	52.14	54.40	2.26	3922.05
MW - 4	01/18/05	3974.53	52.59	54.15	1.56	3921.71
MW - 4	01/18/05	3974.53	52.68	53.51	0.83	3921.73
MW - 4	01/25/05	3974.53	52.54	54.10	1.56	3921.76
MW - 4	01/27/05	3974.53	52.55	53.90	1.35	3921.78
MW - 4	02/01/05	3974.53	52.56	53.93	1.37	3921.76
MW - 4	02/07/05	3974.53	52.50	54.01	1.51	3921.80
MW - 4	02/11/05	3974.53	52.50	53.98	1.48	3921.81
MW - 4	02/15/05	3974.53	52.53	53.96	1.43	3921.79
MW - 4	02/22/05	3974.53	52.47	54.10	1.63	3921.82
MW - 4	02/24/05	3974.53	52.50	54.15	1.65	3921.78
MW - 4	03/03/05	3974.53	52.46	54.13	1.67	3921.82
MW - 4	03/09/05	3974.53	52.46	54.92	2.46	3921.70
MW - 4	03/22/05	3974.53	52.45	54.05	1.60	3921.84
MW - 4	03/24/05	3974.53	52.45	54.05	1.60	3921.84
MW - 4	03/31/05	3974.53	52.47	54.03	1.56	3921.83
MW - 4	06/22/05	3974.53	52.36	54.10	1.74	3921.91
MW - 4	07/21/05	3974.53	52.89	53.64	0.75	3921.53
MW - 4	08/03/05	3974.53	52.33	52.80	0.47	3922.13
MW - 4	08/12/05	3974.53	52.32	53.40	1.08	3922.05
MW - 4	08/15/05	3974.53	52.35	53.60	1.25	3921.99
MW - 4	08/22/05	3974.53	52.34	53.66	1.32	3921.99
MW - 4	08/30/05	3974.53	52.32	53.70	1.38	3922.00
MW - 4	09/07/05	3974.53	52.32	53.92	1.60	3921.97
MW - 4	09/14/05	3974.53	52.30	53.68	1.38	3922.02
MW - 4	09/20/05	3974.53	52.33	53.59	1.26	3922.01

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	09/21/05	3974.53	52.33	53.69	1.36	3922.00
MW - 4	09/28/05	3974.53	52.30	53.70	1.40	3922.02
MW - 4	10/06/05	3974.53	52.27	53.85	1.58	3922.02
MW - 4	10/13/05	3974.53	52.28	53.81	1.53	3922.02
MW - 4	10/20/05	3974.53	52.30	53.75	1.45	3922.01
MW - 4	10/26/05	3974.53	52.28	53.75	1.47	3922.03
MW - 4	11/03/05	3974.53	52.25	53.75	1.50	3922.06
MW - 4	11/10/05	3974.53	52.24	53.75	1.51	3922.06
MW - 4	11/16/05	3974.53	52.27	53.72	1.45	3922.04
MW - 4	11/23/05	3974.53	52.30	53.68	1.38	3922.02
MW - 4	11/28/05	3974.53	52.23	53.75	1.52	3922.07
MW - 4	12/05/05	3974.53	52.28	53.65	1.37	3922.04
MW - 4	12/12/05	3974.53	52.27	53.68	1.41	3922.05
MW - 4	12/16/05	3974.53	52.40	53.04	0.64	3922.03
MW - 4	12/19/05	3974.53	52.30	53.60	1.30	3922.04
MW - 4	12/29/05	3974.53	52.25	53.71	1.46	3922.06
MW - 4	01/04/06	3974.53	52.38	53.70	1.32	3921.95
MW - 4	01/10/06	3974.53	52.25	53.70	1.45	3922.06
MW - 4	01/17/06	3974.53	52.26	53.65	1.39	3922.06
MW - 4	01/26/06	3974.53	52.23	53.63	1.40	3922.09
MW - 4	01/31/06	3974.53	52.25	53.60	1.35	3922.08
MW - 4	02/07/06	3974.53	52.25	53.56	1.31	3922.08
MW - 4	02/09/06	3974.53	52.27	53.65	1.38	3922.05
MW - 4	02/13/06	3974.53	52.29	53.55	1.26	3922.05
MW - 4	02/22/06	3974.53	52.25	53.71	1.46	3922.06
MW - 4	02/28/06	3974.53	52.29	53.68	1.39	3922.03
MW - 4	03/07/06	3974.53	52.30	53.63	1.33	3922.03
MW - 4	03/15/06	3974.53	52.23	53.55	1.32	3922.10
MW - 4	03/20/06	3974.53	52.22	53.46	1.24	3922.12
MW - 4	03/22/06	3974.53	52.52	52.54	0.02	3922.01
MW - 4	03/29/06	3974.53	52.25	53.32	1.07	3922.12
MW - 4	04/11/06	3974.53	52.22	53.39	1.17	3922.13
MW - 4	04/18/06	3974.53	52.22	53.40	1.18	3922.13
MW - 4	04/25/06	3974.53	52.29	53.14	0.85	3922.11
MW - 4	05/02/06	3974.53	52.22	53.34	1.12	3922.14
MW - 4	05/09/06	3974.53	52.21	53.30	1.09	3922.16
MW - 4	05/16/06	3974.53	52.23	52.31	0.08	3922.29
MW - 4	05/23/06	3974.53	52.23	53.29	1.06	3922.14
MW - 4	05/31/06	3974.53	52.20	53.36	1.16	3922.16
MW - 4	06/06/06	3974.53	52.22	53.26	1.04	3922.15
MW - 4	06/13/06	3974.53	52.23	53.29	1.06	3922.14
MW - 4	06/20/06	3974.53	52.20	53.28	1.08	3922.17
MW - 4	06/21/06	3974.53	52.30	52.90	0.60	3922.14

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/06/06	3974.53	52.21	53.30	1.09	3922.16
MW - 4	07/12/06	3974.53	52.23	53.17	0.94	3922.16
MW - 4	07/20/06	3974.53	52.23	53.12	0.89	3922.17
MW - 4	07/25/06	3974.53	52.25	53.11	0.86	3922.15
MW - 4	08/01/06	3974.53	52.24	53.15	0.91	3922.15
MW - 4	08/16/06	3974.53	52.33	52.81	0.48	3922.13
MW - 4	08/23/06	3974.53	52.27	53.00	0.73	3922.15
MW - 4	08/28/06	3974.53	52.27	53.00	0.73	3922.15
MW - 4	09/12/06	3974.53	52.25	53.06	0.81	3922.16
MW - 4	09/22/06	3974.53	52.25	53.15	0.90	3922.15
MW - 4	09/27/06	3974.53	52.27	53.04	0.77	3922.14
MW - 4	10/06/06	3974.53	52.21	53.24	1.03	3922.17
MW - 4	10/10/06	3974.53	52.24	53.16	0.92	3922.15
MW - 4	10/16/06	3974.53	52.23	53.30	1.07	3922.14
MW - 4	10/26/06	3974.53	52.21	53.20	0.99	3922.17
MW - 4	11/03/06	3974.53	52.22	53.18	0.96	3922.17
MW - 4	11/09/06	3974.53	52.20	53.15	0.95	3922.19
MW - 4	11/16/06	3974.53	52.22	53.18	0.96	3922.17
MW - 4	11/22/06	3974.53	52.22	53.11	0.89	3922.18
MW - 4	12/04/06	3974.53	52.21	53.12	0.91	3922.18
MW - 4	12/08/06	3974.53	52.21	53.17	0.96	3922.18
MW - 4	12/15/06	3974.53	52.19	53.12	0.93	3922.20
MW - 4	01/05/07	3974.53	52.18	53.18	1.00	3922.20
MW - 4	01/12/07	3974.53	52.20	53.13	0.93	3922.19
MW - 4	01/18/07	3974.53	52.20	53.14	0.94	3922.19
MW - 4	01/24/07	3974.53	52.20	53.10	0.90	3922.20
MW - 4	01/29/07	3974.53	52.18	53.06	0.88	3922.22
MW - 4	02/09/07	3974.53	52.16	53.04	0.88	3922.24
MW - 4	02/16/07	3974.53	52.20	53.07	0.87	3922.20
MW - 4	02/23/07	3974.53	52.15	53.03	0.88	3922.25
MW - 4	03/02/07	3974.53	52.20	53.10	0.90	3922.20
MW - 4	03/14/07	3974.53	52.19	52.80	0.61	3922.25
MW - 4	03/26/07	3974.53	52.17	52.94	0.77	3922.24
MW - 4	04/03/07	3974.53	52.14	52.98	0.84	3922.26
MW - 4	04/09/07	3974.53	52.16	52.95	0.79	3922.25
MW - 4	04/26/07	3974.53	52.16	52.96	0.80	3922.25
MW - 4	04/30/07	3974.53	52.12	52.94	0.82	3922.29
MW - 4	05/11/07	3974.53	52.15	52.94	0.79	3922.26
MW - 4	05/16/07	3974.53	52.17	52.88	0.71	3922.25
MW - 4	05/22/07	3974.53	52.15	52.87	0.72	3922.27
MW - 4	05/29/07	3974.53	52.14	52.90	0.76	3922.28
MW - 4	06/01/07	3974.53	52.15	52.90	0.75	3922.27
MW - 4	06/08/07	3974.53	52.15	52.90	0.75	3922.27

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/11/07	3974.53	52.18	52.81	0.63	3922.26
MW - 4	06/20/07	3974.53	52.15	52.90	0.75	3922.27
MW - 4	07/10/07	3974.53	52.13	52.85	0.72	3922.29
MW - 4	07/20/07	3974.53	52.14	52.83	0.69	3922.29
MW - 4	07/25/07	3974.53	52.14	52.78	0.64	3922.29
MW - 4	08/01/07	3974.53	52.12	52.81	0.69	3922.31
MW - 4	08/10/07	3974.53	52.14	52.81	0.67	3922.29
MW - 4	08/15/07	3974.53	52.13	52.76	0.63	3922.31
MW - 4	08/30/07	3974.53	52.13	52.80	0.67	3922.30
MW - 4	08/31/07	3974.53	52.13	52.80	0.67	3922.30
MW - 4	09/10/07	3974.53	52.13	52.77	0.64	3922.30
MW - 4	09/19/07	3974.53	52.12	52.76	0.64	3922.31
MW - 4	09/27/07	3974.53	52.12	52.72	0.60	3922.32
MW - 4	10/01/07	3974.53	52.12	52.67	0.55	3922.33
MW - 4	10/19/07	3974.53	52.10	52.75	0.65	3922.33
MW - 4	10/26/07	3974.53	52.12	52.68	0.56	3922.33
MW - 4	11/12/07	3974.53	52.14	52.46	0.32	3922.34
MW - 4	11/16/07	3974.53	52.16	52.47	0.31	3922.32
MW - 4	11/29/07	3974.53	59.18	59.88	0.70	3915.25
MW - 4	12/13/07	3974.53	52.10	52.63	0.53	3922.35
MW - 4	01/10/08	3974.53	52.05	52.60	0.55	3922.40
MW - 4	01/17/08	3974.53	52.09	52.60	0.51	3922.36
MW - 4	01/22/08	3974.53	52.08	52.58	0.50	3922.38
MW - 4	2/6/08 #1	3974.53	52.09	52.55	0.46	3922.37
MW - 4	02/06/08 #2	3974.53	52.15	52.25	0.10	3922.37
MW - 4	2/12/08 #1	3974.53	52.09	52.56	0.47	3922.37
MW - 4	2/12/08 #2	3974.53	52.16	52.24	0.08	3922.36
MW - 4	2/20/08 #1	3974.53	52.07	52.25	0.18	3922.43
MW - 4	2/20/08 #2	3974.53	52.14	52.25	0.11	3922.37
MW - 4	2/27/08 #1	3974.53	52.08	52.51	0.43	3922.39
MW - 4	2/27/08 #2	3974.53	52.12	52.25	0.13	3922.39
MW - 4	03/07/08	3974.53	52.05	52.48	0.43	3922.42
MW - 4	3/12/2008 #1	3974.53	52.05	52.48	0.43	3922.42
MW - 4	3/12/08 #2	3974.53	52.11	52.21	0.10	3922.41
MW - 4	3/20/2008 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	3/20/08 #2	3974.53	52.11	52.13	0.02	3922.42
MW - 4	3/23/08 #1	3974.53	52.06	52.47	0.41	3922.41
MW - 4	3/23/08 #2	3974.53	52.11	52.22	0.11	3922.40
MW - 4	4/2/08 #1	3974.53	52.07	52.45	0.38	3922.40
MW - 4	4/2/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	4/9/08 #1	3974.53	52.05	52.45	0.40	3922.42
MW - 4	4/9/08 #2	3974.53	52.09	52.26	0.17	3922.41
MW - 4	04/16/08	3974.53	52.06	52.42	0.36	3922.42

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	04/23/08	3974.53	52.05	52.45	0.40	3922.42
MW - 4	04/30/08	3974.53	52.05	52.41	0.36	3922.43
MW - 4	05/29/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	06/02/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/03/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	06/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	06/18/08	3974.53	52.04	52.38	0.34	3922.44
MW - 4	06/23/08	3974.53	52.03	52.36	0.33	3922.45
MW - 4	07/01/08	3974.53	52.05	52.38	0.33	3922.43
MW - 4	07/09/08	3974.53	52.05	52.39	0.34	3922.43
MW - 4	07/15/08	3974.53	52.03	52.37	0.34	3922.45
MW - 4	07/22/08	3974.53	52.03	52.35	0.32	3922.45
MW - 4	08/02/08	3974.53	52.02	52.38	0.36	3922.46
MW - 4	08/13/08	3974.53	52.02	52.55	0.53	3922.43
MW - 4	09/03/08	3974.53	52.02	52.38	0.36	3922.46
MW - 4	09/11/08	3974.53	52.03	52.38	0.35	3922.45
MW - 4	09/19/08	3974.53	52.01	52.33	0.32	3922.47
MW - 4	09/26/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/10/08	3974.53	52.02	52.33	0.31	3922.46
MW - 4	10/17/08	3974.53	52.02	52.29	0.27	3922.47
MW - 4	10/21/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	10/30/08	3974.53	52.02	52.30	0.28	3922.47
MW - 4	11/04/08	3974.53	52.02	52.32	0.30	3922.47
MW - 4	11/18/08	3974.53	52.04	52.30	0.26	3922.45
MW - 4	11/25/08	3974.53	52.05	52.29	0.24	3922.44
MW - 4	12/10/08	3974.53	52.03	52.32	0.29	3922.46
MW - 4	12/18/08	3974.53	52.03	52.30	0.27	3922.46
MW - 4	01/06/09	3974.53	52.03	52.35	0.32	3922.45
MW - 4	01/14/09	3974.53	52.09	52.29	0.20	3922.41
MW - 4	01/21/09	3974.53	52.08	52.25	0.17	3922.42
MW - 4	01/22/09	3974.53	52.03	53.33	1.30	3922.31
MW - 4	01/30/09	3974.53	52.01	52.25	0.24	3922.48
MW - 4	02/03/09	3974.53	52.00	52.25	0.25	3922.49
MW - 4	02/12/09	3974.53	51.99	52.30	0.31	3922.49
MW - 4	02/19/09	3974.53	52.00	52.29	0.29	3922.49
MW - 4	03/04/09	3974.53	52.07	52.33	0.26	3922.42
MW - 4	03/06/09	3974.53	52.01	52.28	0.27	3922.48
MW - 4	03/11/09	3974.53	52.02	52.28	0.26	3922.47
MW - 4	03/16/09	3974.53	52.11	52.35	0.24	3922.38
MW - 4	03/19/09	3974.53	52.01	52.26	0.25	3922.48
MW - 4	03/24/09	3974.53	51.98	52.05	0.07	3922.54
MW - 4	04/03/09	3974.53	51.99	52.20	0.21	3922.51
MW - 4	04/15/09	3974.53	52.02	52.12	0.10	3922.50

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	04/17/09	3974.53	52.03	52.11	0.08	3922.49
MW - 4	04/21/09	3974.53	51.96	52.19	0.23	3922.54
MW - 4	04/29/09	3974.53	52.01	52.12	0.11	3922.50
MW - 4	05/20/09	3974.53	51.99	52.11	0.12	3922.52
MW - 4	05/20/09	3974.53	51.99	52.11	0.12	3922.52
MW - 4	06/09/09	3974.53	51.98	52.11	0.13	3922.53
MW - 4	06/17/09	3974.53	51.98	52.12	0.14	3922.53
MW - 4	06/23/09	3974.53	51.95	52.17	0.22	3922.55
MW - 4	07/01/09	3974.53	51.98	52.11	0.13	3922.53
MW - 4	07/08/09	3974.53	sheen	52.12	0.00	3922.41
MW - 4	07/15/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	07/17/09	3974.53	sheen	52.05	0.00	3922.48
MW - 4	07/23/09	3974.53	52.00	52.11	0.11	3922.51
MW - 4	07/24/09	3974.53	52.00	52.10	0.10	3922.52
MW - 4	07/30/09	3974.53	52.00	52.14	0.14	3922.51
MW - 4	08/04/09	3974.53	51.98	52.10	0.12	3922.53
MW - 4	08/12/09	3974.53	51.98	52.12	0.14	3922.53
MW - 4	08/20/09	3974.53	51.99	52.10	0.11	3922.52
MW - 4	08/26/09	3974.53	sheen	52.13	0.00	3922.40
MW - 4	09/02/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	09/09/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	09/14/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	09/21/09	3974.53	sheen	52.03	0.00	3922.50
MW - 4	10/01/09	3974.53	sheen	52.04	0.00	3922.49
MW - 4	10/08/09	3974.53	sheen	52.04	0.00	3922.49
MW - 4	10/14/09	3974.53	sheen	52.03	0.00	3922.50
MW - 4	10/21/09	3974.53	sheen	52.05	0.00	3922.48
MW - 4	10/28/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	11/04/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	11/11/09	3974.53	sheen	52.00	0.00	3922.53
MW - 4	11/18/09	3974.53	sheen	52.00	0.00	3922.53
MW - 4	11/25/09	3974.53	sheen	52.01	0.00	3922.52
MW - 4	12/02/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	12/10/09	3974.53	sheen	52.02	0.00	3922.51
MW - 4	12/17/09	3974.53	sheen	52.06	0.00	3922.47
MW - 4	12/21/09	3974.53	sheen	51.99	0.00	3922.54
MW - 4	12/30/09	3974.53	sheen	52.09	0.00	3922.44
MW - 4	01/07/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	01/18/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	02/02/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	02/11/10	3974.53	sheen	52.01	0.00	3922.52
MW - 4	02/18/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	02/25/10	3974.53	sheen	52.02	0.00	3922.51

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	03/02/10	3974.53	sheen	52.09	0.00	3922.44
MW - 4	03/04/10	3974.53	sheen	51.92	0.00	3922.61
MW - 4	03/10/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	03/12/10	3974.53	sheen	52.05	0.00	3922.48
MW - 4	03/15/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	03/18/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	03/22/10	3974.53	-	52.05	0.00	3922.48
MW - 4	03/24/10	3974.53	-	52.08	0.00	3922.45
MW - 4	03/30/10	3974.53	sheen	52.04	0.00	3922.49
MW - 4	04/07/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	04/12/10	3974.53	sheen	51.98	0.00	3922.55
MW - 4	04/16/10	3974.53	sheen	52.29	0.00	3922.24
MW - 4	04/20/10	3974.53	-	52.18	0.00	3922.35
MW - 4	04/27/10	3974.53	sheen	52.24	0.00	3922.29
MW - 4	04/30/10	3974.53	-	52.17	0.00	3922.36
MW - 4	05/12/10	3974.53	sheen	52.23	0.00	3922.30
MW - 4	05/14/10	3974.53	-	52.18	0.00	3922.35
MW - 4	05/17/10	3974.53	-	52.37	0.00	3922.16
MW - 4	05/20/10	3974.53	sheen	52.25	0.00	3922.28
MW - 4	05/25/10	3974.53	sheen	52.10	0.00	3922.43
MW - 4	06/01/10	3974.53	sheen	52.09	0.00	3922.44
MW - 4	06/09/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	06/16/10	3974.53	sheen	52.05	0.00	3922.48
MW - 4	06/28/10	3974.53	52.15	52.16	0.01	3922.38
MW - 4	07/09/10	3974.53	sheen	52.07	0.00	3922.46
MW - 4	07/14/10	3974.53	sheen	51.96	0.00	3922.57
MW - 4	07/23/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	07/29/10	3974.53	sheen	51.94	0.00	3922.59
MW - 4	08/05/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	08/12/10	3974.53	sheen	51.97	0.00	3922.56
MW - 4	08/16/10	3974.53	sheen	51.97	0.00	3922.56
MW - 4	08/18/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	08/25/10	3974.53	sheen	52.03	0.00	3922.50
MW - 4	09/09/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	09/30/10	3974.53	sheen	51.95	0.00	3922.58
MW - 4	10/07/10	3974.53	sheen	52.00	0.00	3922.53
MW - 4	10/14/10	3974.53	sheen	52.19	0.00	3922.34
MW - 4	10/21/10	3974.53	sheen	52.21	0.00	3922.32
MW - 4	11/04/10	3974.53	sheen	52.02	0.00	3922.51
MW - 4	11/10/10	3974.53	sheen	52.27	0.00	3922.26
MW - 4	12/01/10	3974.53	sheen	51.99	0.00	3922.54
MW - 4	12/08/10	3974.53	sheen	52.13	0.00	3922.40
MW - 4	01/26/11	3974.53	-	51.99	0.00	3922.54

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	02/28/11	3974.53	-	52.24	0.00	3922.29
MW - 4	03/04/11	3974.53	-	52.00	0.00	3922.53
MW - 4	03/09/11	3974.53	52.09	52.11	0.02	3922.44
MW - 4	04/28/11	3974.53	-	52.03	0.00	3922.50
MW - 4	05/04/11	3974.53	-	52.02	0.00	3922.51
MW - 4	05/11/11	3974.53	-	52.10	0.00	3922.43
MW - 4	05/12/11	3974.53	-	51.97	0.00	3922.56
MW - 4	05/18/11	3974.53	-	52.02	0.00	3922.51
MW - 4	05/23/11	3974.53	-	52.07	0.00	3922.46
MW - 4	06/08/11	3974.53	-	52.07	0.00	3922.46
MW - 4	06/16/11	3974.53	-	52.05	0.00	3922.48
MW - 4	06/22/11	3974.53	-	52.03	0.00	3922.50
MW - 4	06/30/11	3974.53	-	52.02	0.00	3922.51
MW - 4	07/06/11	3974.53	-	51.97	0.00	3922.56
MW - 4	07/13/11	3974.53	-	52.14	0.00	3922.39
MW - 4	07/15/11	3974.53	-	52.02	0.00	3922.51
MW - 4	07/19/11	3974.53	-	52.01	0.00	3922.52
MW - 4	07/21/11	3974.53	-	51.96	0.00	3922.57
MW - 4	07/26/11	3974.53	-	51.98	0.00	3922.55
MW - 4	07/28/11	3974.53	-	51.95	0.00	3922.58
MW - 4	08/02/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/09/11	3974.53	-	51.93	0.00	3922.60
MW - 4	08/12/11	3974.53	-	51.99	0.00	3922.54
MW - 4	08/15/11	3974.53	-	51.99	0.00	3922.54
MW - 4	08/16/11	3974.53	-	52.10	0.00	3922.43
MW - 4	08/19/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/23/11	3974.53	-	52.09	0.00	3922.44
MW - 4	08/26/11	3974.53	-	52.12	0.00	3922.41
MW - 4	08/30/11	3974.53	-	52.06	0.00	3922.47
MW - 4	09/01/11	3974.53	-	52.09	0.00	3922.44
MW - 4	09/08/11	3974.53	-	52.14	0.00	3922.39
MW - 4	09/13/11	3974.53	-	52.09	0.00	3922.44
MW - 4	09/15/11	3974.53	-	52.14	0.00	3922.39
MW - 4	09/22/11	3974.53	-	51.98	0.00	3922.55
MW - 4	10/06/11	3974.53	-	51.98	0.00	3922.55
MW - 4	10/11/11	3974.53	-	52.06	0.00	3922.47
MW - 4	10/13/11	3974.53	-	52.16	0.00	3922.37
MW - 4	10/26/11	3974.53	-	52.09	0.00	3922.44
MW - 4	11/22/11	3974.53	-	52.12	0.00	3922.41
MW - 4	12/02/11	3974.53	-	52.03	0.00	3922.50
MW - 4	12/29/11	3974.53	-	51.98	0.00	3922.55
MW - 4	01/26/12	3974.53	-	52.06	0.00	3922.47
MW - 4	01/31/12	3974.53	-	52.72	0.00	3921.81

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	02/15/12	3974.53	-	51.97	0.00	3922.56
MW - 4	02/28/12	3974.53	-	52.02	0.00	3922.51
MW - 4	03/20/12	3974.53	52.03	52.11	0.08	3922.49
MW - 4	03/27/12	3974.53	52.03	52.05	0.02	3922.50
MW - 4	04/10/12	3974.53	52.04	52.13	0.09	3922.48
MW - 4	04/19/12	3974.53	-	52.06	0.00	3922.47
MW - 4	04/26/12	3974.53	-	51.98	0.00	3922.55
MW - 4	05/08/12	3974.53	-	51.99	0.00	3922.54
MW - 4	05/15/12	3974.53	-	51.99	0.00	3922.54
MW - 4	05/17/12	3974.53	-	51.97	0.00	3922.56
MW - 4	06/05/12	3974.53	-	52.07	0.00	3922.46
MW - 4	06/21/12	3974.53	-	52.18	0.00	3922.35
MW - 4	06/28/12	3974.53	-	52.24	0.00	3922.29
MW - 4	07/17/12	3974.53	-	53.08	0.00	3921.45
MW - 4	08/01/12	3974.53	-	52.08	0.00	3922.45
MW - 4	10/02/12	3974.53	52.14	52.19	0.05	3922.38
MW - 4	10/09/12	3974.53	-	52.16	0.00	3922.37
MW - 4	10/16/12	3974.53	52.12	52.13	0.01	3922.41
MW - 4	10/25/12	3974.53	-	52.16	0.00	3922.37
MW - 4	10/30/12	3974.53	-	52.14	0.00	3922.39
MW - 4	11/29/12	3974.53	-	52.22	0.00	3922.31
MW - 4	12/14/12	3974.53	52.18	52.19	0.01	3922.35
MW - 4	02/11/13	3974.53	-	52.15	0.00	3922.38
MW - 4	04/11/13	3974.53	-	52.35	0.00	3922.18
MW - 4	04/15/13	3974.53	-	52.32	0.00	3922.21
MW - 4	04/22/13	3974.53	52.13	52.15	0.02	3922.40
MW - 4	05/06/13	3974.53	52.15	52.18	0.03	3922.38
MW - 4	05/09/13	3974.53	-	52.15	0.00	3922.38
MW - 4	05/20/13	3974.53	-	52.17	0.00	3922.36
MW - 4	05/24/13	3974.53	-	52.31	0.00	3922.22
MW - 4	05/29/13	3974.53	-	52.35	0.00	3922.18
MW - 4	05/31/13	3974.53	-	52.24	0.00	3922.29
MW - 4	06/07/13	3974.53	52.39	52.40	0.01	3922.14
MW - 4	06/12/13	3974.53	-	52.36	0.00	3922.17
MW - 4	06/14/13	3974.53	-	52.33	0.00	3922.20
MW - 4	06/19/13	3974.53	-	52.45	0.00	3922.08
MW - 4	06/21/13	3974.53	-	52.39	0.00	3922.14
MW - 4	06/25/13	3974.53	-	52.16	0.00	3922.37
MW - 4	06/26/13	3974.53	-	52.34	0.00	3922.19
MW - 4	07/03/13	3974.53	52.38	52.39	0.01	3922.15
MW - 4	07/09/13	3974.53	52.39	52.43	0.04	3922.13
MW - 4	07/11/13	3974.53	-	52.38	0.00	3922.15
MW - 4	07/24/13	3974.53	-	52.35	0.00	3922.18

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/26/13	3974.53	-	52.34	0.00	3922.19
MW - 4	07/31/13	3974.53	-	52.25	0.00	3922.28
MW - 4	08/02/13	3974.53	-	52.33	0.00	3922.20
MW - 4	08/06/13	3974.53	-	52.26	0.00	3922.27
MW - 4	08/14/13	3974.53	-	52.28	0.00	3922.25
MW - 4	08/21/13	3974.53	-	52.37	0.00	3922.16
MW - 4	08/26/13	3974.53	-	52.36	0.00	3922.17
MW - 4	09/06/13	3974.53	-	52.35	0.00	3922.18
MW - 4	08/30/13	3974.53	-	52.30	0.00	3922.23
MW - 4	09/13/13	3974.53	-	52.30	0.00	3922.23
MW - 4	09/27/13	3974.53	-	52.36	0.00	3922.17
MW - 4	09/30/13	3974.53	-	52.35	0.00	3922.18
MW - 4	10/02/13	3974.53	-	52.44	0.00	3922.09
MW - 4	10/03/13	3974.53	-	52.33	0.00	3922.20
MW - 4	10/11/13	3974.53	-	52.26	0.00	3922.27
MW - 4	10/17/13	3974.53	-	52.28	0.00	3922.25
MW - 4	10/22/13	3974.53	-	52.28	0.00	3922.25
MW - 4	10/24/13	3974.53	-	52.41	0.00	3922.12
MW - 4	10/30/13	3974.53	-	52.36	0.00	3922.17
MW - 4	11/01/13	3974.53	-	52.27	0.00	3922.26
MW - 4	11/04/13	3974.53	-	52.30	0.00	3922.23
MW - 4	11/08/13	3974.53	-	52.40	0.00	3922.13
MW - 4	11/13/13	3974.53	-	52.28	0.00	3922.25
MW - 4	11/15/13	3974.53	-	52.28	0.00	3922.25
MW - 4	11/19/13	3974.53	-	52.33	0.00	3922.20
MW - 4	12/08/13	3974.53	52.28	52.31	0.03	3922.25
MW - 4	12/12/13	3974.53	-	52.30	0.00	3922.23
MW - 4	12/16/13	3974.53	52.31	52.32	0.01	3922.22
MW - 4	12/18/13	3974.53	-	52.35	0.00	3922.18
MW - 4	12/23/13	3974.53	-	52.35	0.00	3922.18
MW - 4	12/30/13	3974.53	-	52.33	0.00	3922.20
MW - 4	01/01/14	3974.53	-	52.31	0.00	3922.22
MW - 4	01/06/14	3974.53	-	52.30	0.00	3922.23
MW - 4	01/15/14	3974.53	-	52.42	0.00	3922.11
MW - 4	01/17/14	3974.53	-	52.31	0.00	3922.22
MW - 4	01/20/14	3974.53	-	52.45	0.00	3922.08
MW - 4	01/22/14	3974.53	-	52.47	0.00	3922.06
MW - 4	01/29/14	3974.53	-	52.34	0.00	3922.19
MW - 4	02/04/14	3974.53	-	52.32	0.00	3922.21
MW - 4	02/13/14	3974.53	-	52.36	0.00	3922.17
MW - 4	02/21/14	3974.53	-	52.47	0.00	3922.06
MW - 4	02/26/14	3974.53	52.59	53.03	0.44	3921.87
MW - 4	03/12/14	3974.53	-	52.42	0.00	3922.11

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	03/14/14	3974.53	-	52.43	0.00	3922.10
MW - 4	03/17/14	3974.53	-	52.41	0.00	3922.12
MW - 4	03/24/14	3974.53	-	52.35	0.00	3922.18
MW - 4	03/26/14	3974.53	-	52.39	0.00	3922.14
MW - 4	04/09/14	3974.53	-	51.28	0.00	3923.25
MW - 4	04/18/14	3974.53	52.28	52.30	0.02	3922.25
MW - 4	04/21/14	3974.53	-	52.28	0.00	3922.25
MW - 4	04/28/14	3974.53	52.29	52.30	0.01	3922.24
MW - 4	05/09/14	3974.53	52.32	52.47	0.15	3922.19
MW - 4	05/12/14	3974.53	52.36	52.42	0.06	3922.16
MW - 4	05/19/14	3974.53	52.31	52.35	0.04	3922.21
MW - 4	05/28/14	3974.53	52.37	52.40	0.03	3922.16
MW - 4	06/04/14	3974.53	52.33	52.40	0.07	3922.19
MW - 4	06/13/14	3974.53	52.42	52.49	0.07	3922.10
MW - 4	06/16/14	3974.53	52.31	52.34	0.03	3922.22
MW - 4	07/02/14	3974.53	52.33	52.41	0.08	3922.19
MW - 4	07/07/14	3974.53	-	52.36	0.00	3922.17
MW - 4	07/18/14	3974.53	-	52.58	0.00	3921.95
MW - 4	07/30/14	3974.53	52.38	52.40	0.02	3922.15
MW - 4	08/11/14	3974.53	52.40	52.43	0.03	3922.13
MW - 4	08/22/14	3974.53	52.40	52.47	0.07	3922.12
MW - 4	08/23/14	3974.53	52.40	52.47	0.07	3922.12
MW - 4	09/10/14	3974.53	52.45	52.56	0.11	3922.06
MW - 4	09/23/14	3974.53	52.46	52.58	0.12	3922.05
MW - 4	09/25/14	3974.53	52.65	52.68	0.03	3921.88
MW - 4	10/03/14	3974.53	52.46	52.51	0.05	3922.06
MW - 4	10/15/14	3974.53	52.49	52.54	0.05	3922.03
MW - 4	10/17/14	3974.53	52.58	52.64	0.06	3921.94
MW - 4	10/24/14	3974.53	52.56	52.59	0.03	3921.97
MW - 4	10/27/14	3974.53	52.54	52.58	0.04	3921.98
MW - 4	10/31/14	3974.53	52.40	52.42	0.02	3922.13
MW - 4	11/03/14	3974.53	52.53	52.59	0.06	3921.99
MW - 4	11/10/14	3974.53	52.40	52.46	0.06	3922.12
MW - 4	11/14/14	3974.53	52.38	52.44	0.06	3922.14
MW - 4	11/17/14	3974.53	-	52.40	0.00	3922.13
MW - 4	11/18/14	3974.53	52.40	52.44	0.04	3922.12
MW - 4	11/21/14	3974.53	52.39	52.46	0.07	3922.13
MW - 4	12/03/14	3974.53	52.38	52.49	0.11	3922.13
MW - 4	12/05/14	3974.53	52.40	52.44	0.04	3922.12
MW - 4	12/12/14	3974.53	52.41	52.51	0.10	3922.11
MW - 4	12/15/14	3974.53	52.41	52.51	0.10	3922.11
MW - 4	12/19/14	3974.53	51.97	52.08	0.11	3922.54
MW - 4	12/22/14	3974.53	51.95	52.04	0.09	3922.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	01/05/15	3974.53	51.91	52.06	0.15	3922.60
MW - 4	01/09/15	3974.53	52.35	52.52	0.17	3922.15
MW - 4	01/14/15	3974.53	52.35	52.54	0.19	3922.15
MW - 4	01/21/15	3974.53	51.92	52.08	0.16	3922.59
MW - 4	02/18/15	3974.53	52.40	52.73	0.33	3922.08
MW - 4	02/19/15	3974.53	52.35	52.49	0.14	3922.16
MW - 4	03/09/15	3974.53	51.92	52.09	0.17	3922.58
MW - 4	03/11/15	3974.53	52.33	52.57	0.24	3922.16
MW - 4	03/18/15	3974.53	52.31	52.57	0.26	3922.18
MW - 4	03/31/15	3974.53	51.94	52.06	0.12	3922.57
MW - 4	04/09/15	3974.53	52.28	52.59	0.31	3922.20
MW - 4	04/15/15	3974.53	52.27	52.60	0.33	3922.21
MW - 4	04/22/15	3974.53	52.28	52.65	0.37	3922.19
MW - 4	05/12/15	3974.53	52.31	52.59	0.28	3922.18
MW - 4	05/26/15	3974.53	51.93	52.07	0.14	3922.58
MW - 4	06/01/15	3974.53	52.30	52.58	0.28	3922.19
MW - 4	06/04/15	3974.53	52.32	52.59	0.27	3922.17
MW - 4	06/22/15	3974.53	52.42	52.80	0.38	3922.05
MW - 4	06/26/15	3974.53	52.42	52.77	0.35	3922.06
MW - 4	07/22/15	3974.53	52.27	52.53	0.26	3922.22
MW - 4	07/27/15	3974.53	52.43	52.73	0.30	3922.06
MW - 4	08/18/15	3974.53	52.32	52.56	0.24	3922.17
MW - 4	09/09/15	3974.53	52.49	52.87	0.38	3921.98
MW - 4	09/30/15	3974.53	52.56	53.00	0.44	3921.90
MW - 4	10/08/15	3974.53	52.48	52.64	0.16	3922.03
MW - 4	10/16/15	3974.53	52.54	52.76	0.22	3921.96
MW - 4	10/21/15	3974.53	52.40	52.55	0.15	3922.11
MW - 4	11/18/15	3974.53	52.54	52.65	0.11	3921.97
MW - 4	11/23/15	3974.53	52.40	52.58	0.18	3922.10
MW - 4	12/04/15	3974.60	52.36	52.55	0.19	3922.21
MW - 4	12/09/15	3974.53	52.55	52.85	0.30	3921.94
MW - 4	01/12/16	3974.53	52.41	52.63	0.22	3922.09
MW - 4	01/22/16	3974.53	52.39	52.60	0.21	3922.11
MW - 4	01/25/16	3974.53	52.45	52.50	0.05	3922.07
MW - 4	02/12/16	3974.53	52.47	52.75	0.28	3922.02
MW - 4	02/17/16	3974.53	52.43	52.61	0.18	3922.07
MW - 4	02/24/16	3974.53	52.37	52.54	0.17	3922.13
MW - 4	03/09/16	3974.53	52.47	52.74	0.27	3922.02
MW - 4	03/30/16	3974.53	52.46	52.66	0.20	3922.04
MW - 4	04/13/16	3974.53	52.40	52.65	0.25	3922.09
MW - 4	04/27/16	3974.53	52.48	52.50	0.02	3922.05
MW - 4	05/11/16	3974.53	52.47	52.48	0.01	3922.06
MW - 4	06/03/16	3974.53	52.49	52.60	0.11	3922.02

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/13/16	3974.53	52.42	52.45	0.03	3922.11
MW - 4	07/01/16	3974.53	52.50	52.59	0.09	3922.02
MW - 4	07/08/16	3974.53	52.52	52.59	0.07	3922.00
MW - 4	07/12/16	3974.53	52.10	52.50	0.40	3922.37
MW - 4	07/18/16	3974.53	52.49	52.54	0.05	3922.03
MW - 4	08/02/16	3974.53	52.50	52.55	0.05	3922.02
MW - 4	08/12/16	3974.53	-	52.59	0.00	3921.94
MW - 4	08/17/16	3974.53	-	52.53	0.00	3922.00
MW - 4	09/21/16	3974.53	-	52.53	0.00	3922.00
MW - 4	10/21/16	3974.53	-	52.49	0.00	3922.04
MW - 4	10/24/16	3974.53	-	52.67	0.00	3921.86
MW - 4	10/26/16	3974.53	-	52.60	0.00	3921.93
MW - 4	10/31/16	3974.53	-	52.62	0.00	3921.91
MW - 4	11/21/16	3974.53	-	52.49	0.00	3922.04
MW - 4	11/28/16	3974.53	-	52.47	0.00	3922.06
MW - 4	12/07/16	3974.53	-	52.55	0.00	3921.98
MW - 4	12/21/16	3974.53	-	52.46	0.00	3922.07
MW - 4	01/04/17	3974.53	-	52.45	0.00	3922.08
MW - 4	01/12/17	3974.53	-	52.46	0.00	3922.07
MW - 4	01/26/17	3974.53	-	52.57	0.00	3921.96
MW - 4	02/07/17	3974.53	-	52.50	0.00	3922.03
MW - 4	02/21/17	3974.53	-	52.45	0.00	3922.08
MW - 4	02/23/17	3974.53	-	52.44	0.00	3922.09
MW - 4	03/08/17	3974.53	-	52.55	0.00	3921.98
MW - 4	04/07/17	3974.53	52.43	52.45	0.02	3922.10
MW - 4	04/18/17	3974.53	52.44	52.46	0.02	3922.09
MW - 4	05/10/17	3974.53	52.48	52.69	0.21	3922.02
MW - 4	05/24/17	3974.53	52.39	52.59	0.20	3922.11
MW - 4	06/02/17	3974.53	52.39	52.63	0.24	3922.10
MW - 4	07/12/17	3974.53	52.45	52.88	0.43	3922.02
MW - 4	07/19/17	3974.53	52.44	52.83	0.39	3922.03
MW - 4	07/27/17	3974.53	52.42	52.81	0.39	3922.05
MW - 4	08/11/17	3974.53	52.47	52.83	0.36	3922.01
MW - 4	08/24/17	3974.53	52.44	52.91	0.47	3922.02
MW - 4	09/05/17	3974.53	52.45	52.96	0.51	3922.00
MW - 4	10/18/17	3974.53	52.52	53.08	0.56	3921.93
MW - 4	10/25/17	3974.53	52.51	53.98	1.47	3921.80
MW - 4	11/01/17	3974.53	52.51	53.97	1.46	3921.80
MW - 4	11/08/17	3974.53	-	52.48	0.00	3922.05
MW - 4	11/28/17	3974.53	52.49	52.93	0.44	3921.97
MW - 4	12/19/17	3974.53	52.48	52.93	0.45	3921.98
MW - 4	01/16/18	3974.53	52.51	52.89	0.38	3921.96
MW - 4	01/30/18	3974.53	52.49	52.81	0.32	3921.99

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	02/06/18	3974.53	52.56	52.78	0.22	3921.94
MW - 4	02/13/18	3974.53	52.57	52.81	0.24	3921.92
MW - 4	02/26/18	3974.53	52.50	52.69	0.19	3922.00
MW - 4	04/03/18	3974.53	52.47	52.76	0.29	3922.02
MW - 4	04/17/18	3974.53	52.47	52.86	0.39	3922.00
MW - 4	05/07/18	3974.53	52.51	52.93	0.42	3921.96
MW - 4	06/21/18	3974.53	52.51	53.11	0.60	3921.93
MW - 4	06/26/18	3974.53	52.48	53.07	0.59	3921.96
MW - 4	07/12/18	3974.53	52.52	52.94	0.42	3921.95
MW - 4	07/17/18	3974.53	52.53	52.96	0.43	3921.94
MW - 4	08/01/18	3974.53	52.56	52.88	0.32	3921.92
MW - 4	08/09/18	3974.53	52.57	52.82	0.25	3921.92
MW - 4	08/23/18	3974.53	52.59	52.88	0.29	3921.90
MW - 4	08/30/18	3974.53	52.62	52.78	0.16	3921.89
MW - 4	08/31/18	3974.53	52.61	52.83	0.22	3921.89
MW - 4	09/11/18	3974.53	52.61	52.74	0.13	3921.90
MW - 4	09/19/18	3974.53	52.63	52.76	0.13	3921.88
MW - 4	11/01/18	3974.53	52.66	52.73	0.07	3921.86
MW - 4	11/05/18	3974.53	52.63	52.68	0.05	3921.89
MW - 4	10/16/18	3974.53	52.63	52.80	0.17	-
MW - 4	11/14/18	3974.53	52.64	52.68	0.04	3921.88
MW - 4	12/04/18	3974.53	52.64	52.84	0.20	3921.86
MW - 4	12/06/18	3974.53	52.63	52.80	0.17	3921.87
MW - 4	12/18/18	3974.53	52.66	52.75	0.09	3921.86
MW - 4	12/20/18	3974.53	52.65	52.83	0.18	3921.85
MW - 4	12/26/18	3974.53	-	52.66	0.00	3921.87
MW - 4	01/08/19	3974.53	-	52.67	0.00	3921.86
MW - 4	01/10/19	3974.53	-	52.65	0.00	3921.88
MW - 4	01/15/19	3974.53	-	52.69	0.00	3921.84
MW - 4	01/24/19	3974.53	-	52.93	0.00	3921.60
MW - 4	02/11/19	3974.53	-	52.71	0.00	3921.82
MW - 4	02/18/19	3974.53	-	52.72	0.00	3921.81
MW - 4	04/16/19	3974.53	-	52.98	0.00	3921.55
MW - 4	04/23/19	3974.53	-	52.75	0.00	3921.78
MW - 4	04/30/19	3974.53	52.65	52.68	0.03	3921.88
MW - 4	05/07/19	3974.53	-	52.64	0.00	3921.89
MW - 4	05/09/19	3974.53	-	52.70	0.00	3921.83
MW - 4	05/14/19	3974.53	-	52.61	0.00	3921.92
MW - 4	06/04/19	3974.53	-	53.01	0.00	3921.52
MW - 4	06/11/19	3974.53	-	53.05	0.00	3921.48
MW - 4	06/13/19	3974.53	-	53.43	0.00	3921.10
MW - 4	06/17/19	3974.53	-	53.36	0.00	3921.17
MW - 4	07/01/19	3974.53	-	52.74	0.00	3921.79

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/02/19	3974.53	-	52.68	0.00	3921.85
MW - 4	08/19/19	3974.53	-	52.87	0.00	3921.66
MW - 4	08/29/19	3974.53	-	52.80	0.00	3921.73
MW - 4	09/03/19	3974.53	-	52.86	0.00	3921.67
MW - 4	09/10/19	3974.53	-	53.02	0.00	3921.51
MW - 4	10/01/19	3974.53	-	52.86	0.00	3921.67
MW - 4	10/22/19	3974.53	-	53.13	0.00	3921.40
MW - 4	11/11/19	3974.53	-	53.12	0.00	3921.41
MW - 4	11/15/19	3974.53	52.80	52.96	0.16	3921.71
MW - 4	01/08/20	3974.53	52.72	53.18	0.46	3921.74
MW - 4	02/13/20	3974.53	52.75	52.85	0.10	3921.77
MW - 4	02/18/20	3974.53	52.75	52.90	0.15	3921.76
MW - 4	05/05/20	3974.53	52.66	53.50	0.84	3921.74
MW - 4	06/11/20	3974.53	52.69	53.71	1.02	3921.69
MW - 4	09/23/20	3974.53	52.70	54.16	1.46	3921.61
MW - 4	12/04/20	3974.53	52.68	54.36	1.68	3921.60
MW - 5	03/02/00	3974.28	52.09	55.50	3.41	3921.68
MW - 5	04/25/00	3974.28	52.04	55.59	3.55	3921.71
MW - 5	09/06/00	3974.28	52.11	55.48	3.37	3921.66
MW - 5	11/28/00	3974.28	52.21	55.46	3.25	3921.58
MW - 5	02/21/01	3974.28	52.07	55.40	3.33	3921.71
MW - 5	05/31/01	3974.28	52.11	55.48	3.37	3921.66
MW - 5	08/23/01	3974.28	52.08	55.45	3.37	3921.69
MW - 5	11/21/01	3974.28	52.20	55.43	3.23	3921.60
MW - 5	02/13/02	3974.28	52.14	55.43	3.29	3921.65
MW - 5	06/12/02	3974.28	52.04	55.65	3.61	3921.70
MW - 5	08/26/02	3974.28	52.04	55.68	3.64	3921.69
MW - 5	11/08/02	3974.28	52.71	52.97	0.26	3921.53
MW - 5	11/21/02	3974.28	52.73	53.01	0.28	3921.51
MW - 5	12/27/02	3974.28	52.24	55.09	2.85	3921.61
MW - 5	01/06/03	3974.28	52.30	54.80	2.50	3921.61
MW - 5	01/08/03	3974.28	52.41	54.24	1.83	3921.60
MW - 5	01/10/03	3974.28	52.71	52.96	0.25	3921.53
MW - 5	01/13/03	3974.28	52.69	52.93	0.24	3921.55
MW - 5	02/05/03	3974.28	52.68	52.94	0.26	3921.56
MW - 5	02/26/03	3974.28	52.20	56.05	3.85	3921.50
MW - 5	03/04/03	3974.28	52.19	56.07	3.88	3921.51
MW - 5	03/12/03	3974.28	52.22	55.12	2.90	3921.63
MW - 5	03/18/03	3974.28	52.74	52.96	0.22	3921.51
MW - 5	03/25/03	3974.28	52.68	53.04	0.36	3921.55
MW - 5	03/31/03	3974.28	52.64	53.12	0.48	3921.57
MW - 5	04/09/03	3974.28	52.68	52.91	0.23	3921.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	04/14/03	3974.28	52.71	52.79	0.08	3921.56
MW - 5	05/07/03	3974.28	52.17	54.47	2.30	3921.77
MW - 5	05/08/03	3974.28	52.25	55.04	2.79	3921.61
MW - 5	05/13/03	3974.28	52.32	55.04	2.72	3921.55
MW - 5	05/21/03	3974.27	52.25	55.14	2.89	3921.59
MW - 5	05/27/03	3974.27	52.22	54.96	2.74	3921.64
MW - 5	05/28/03	3974.27	52.27	55.11	2.84	3921.57
MW - 5	06/03/03	3974.27	52.77	52.84	0.07	3921.49
MW - 5	06/10/03	3974.27	52.72	52.90	0.18	3921.52
MW - 5	07/01/03	3974.27	52.79	52.93	0.14	3921.46
MW - 5	07/08/03	3974.27	52.37	54.92	2.55	3921.52
MW - 5	07/29/03	3974.27	52.25	54.83	2.58	3921.63
MW - 5	08/04/03	3974.27	52.61	54.25	1.64	3921.41
MW - 5	08/18/03	3974.27	52.47	53.81	1.34	3921.60
MW - 5	08/25/03	3974.27	52.51	55.32	2.81	3921.34
MW - 5	10/01/03	3974.27	52.72	53.19	0.47	3921.48
MW - 5	10/06/03	3974.27	52.70	52.97	0.27	3921.53
MW - 5	10/08/03	3974.27	52.72	54.74	2.02	3921.25
MW - 5	10/15/03	3974.27	52.73	54.42	1.69	3921.29
MW - 5	11/12/03	3974.27	52.75	55.30	2.55	3921.14
MW - 5	11/19/03	3974.27	52.71	55.27	2.56	3921.18
MW - 5	12/01/03	3974.27	53.19	53.32	0.13	3921.06
MW - 5	12/10/03	3974.27	52.41	54.94	2.53	3921.48
MW - 5	02/05/04	3974.27	53.17	53.26	0.09	3921.09
MW - 5	02/17/04	3974.27	52.44	53.69	1.25	3921.64
MW - 5	02/25/04	3974.27	53.17	53.29	0.12	3921.08
MW - 5	03/09/04	3974.27	52.53	55.09	2.56	3921.36
MW - 5	03/16/04	3974.27	52.41	55.20	2.79	3921.44
MW - 5	03/22/04	3974.27	53.00	53.68	0.68	3921.17
MW - 5	04/07/04	3974.27	52.94	53.11	0.17	3921.30
MW - 5	04/12/04	3974.27	52.55	55.00	2.45	3921.35
MW - 5	04/19/04	3974.27	52.90	53.00	0.10	3921.36
MW - 5	05/05/04	3974.27	52.52	55.11	2.59	3921.36
MW - 5	05/11/04	3974.27	52.64	55.29	2.65	3921.23
MW - 5	06/07/04	3974.27	52.25	54.97	2.72	3921.61
MW - 5	06/15/04	3974.27	52.27	54.93	2.66	3921.60
MW - 5	06/20/04	3974.27	52.27	54.93	2.66	3921.60
MW - 5	06/21/04	3974.27	52.23	54.95	2.72	3921.63
MW - 5	06/28/04	3974.27	52.25	54.97	2.72	3921.61
MW - 5	07/08/04	3974.27	52.24	54.96	2.72	3921.62
MW - 5	07/12/04	3974.27	52.23	54.97	2.74	3921.63
MW - 5	08/12/04	3974.27	52.22	54.22	2.00	3921.75
MW - 5	08/17/04	3974.27	52.25	55.25	3.00	3921.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	08/26/04	3974.27	52.25	55.23	2.98	3921.57
MW - 5	09/01/04	3974.27	52.27	55.20	2.93	3921.56
MW - 5	09/03/04	3974.27	52.30	55.16	2.86	3921.54
MW - 5	09/08/04	3974.27	52.27	55.24	2.97	3921.55
MW - 5	09/14/04	3974.27	52.27	55.20	2.93	3921.56
MW - 5	09/22/04	3974.27	52.33	55.10	2.77	3921.52
MW - 5	10/01/04	3974.27	52.27	55.22	2.95	3921.56
MW - 5	10/08/04	3974.27	52.28	55.20	2.92	3921.55
MW - 5	10/15/04	3974.27	52.23	54.91	2.68	3921.64
MW - 5	10/22/04	3974.27	52.21	55.16	2.95	3921.62
MW - 5	11/12/04	3974.27	52.41	53.24	0.83	3921.74
MW - 5	11/26/04	3974.27	52.34	54.80	2.46	3921.56
MW - 5	12/02/04	3974.27	52.39	54.80	2.41	3921.52
MW - 5	12/06/04	3974.27	52.55	53.97	1.42	3921.51
MW - 5	12/13/04	3974.27	52.87	53.35	0.48	3921.33
MW - 5	12/15/04	3974.27	52.87	53.35	0.48	3921.33
MW - 5	12/27/04	3974.27	52.69	53.20	0.51	3921.50
MW - 5	01/10/05	3974.27	52.20	54.68	2.48	3921.70
MW - 5	01/18/05	3974.27	52.26	54.65	2.39	3921.65
MW - 5	01/18/05	3974.27	sheen	52.40	0.00	3921.87
MW - 5	01/25/05	3974.27	52.17	54.70	2.53	3921.72
MW - 5	01/27/05	3974.27	52.18	54.57	2.39	3921.73
MW - 5	02/01/05	3974.27	52.14	54.71	2.57	3921.74
MW - 5	02/07/05	3974.27	52.10	54.67	2.57	3921.78
MW - 5	02/11/05	3974.27	52.11	54.65	2.54	3921.78
MW - 5	02/15/05	3974.27	52.09	54.63	2.54	3921.80
MW - 5	02/22/05	3974.27	52.10	54.60	2.50	3921.80
MW - 5	02/24/05	3974.27	52.08	54.58	2.50	3921.82
MW - 5	03/03/05	3974.27	52.02	54.89	2.87	3921.82
MW - 5	03/09/05	3974.27	52.03	54.89	2.86	3921.81
MW - 5	03/22/05	3974.27	52.05	54.25	2.20	3921.89
MW - 5	03/24/05	3974.27	52.05	54.25	2.20	3921.89
MW - 5	03/31/05	3974.27	52.08	54.21	2.13	3921.87
MW - 5	06/22/05	3974.27	52.02	54.80	2.78	3921.83
MW - 5	07/21/05	3974.27	51.94	54.57	2.63	3921.94
MW - 5	08/03/05	3974.27	51.97	54.44	2.47	3921.93
MW - 5	08/30/05	3974.27	51.96	54.45	2.49	3921.94
MW - 5	09/20/05	3974.27	51.94	54.39	2.45	3921.96
MW - 5	09/28/05	3974.27	51.92	54.39	2.47	3921.98
MW - 5	10/06/05	3974.27	51.86	54.64	2.78	3921.99
MW - 5	10/13/05	3974.27	51.89	54.63	2.74	3921.97
MW - 5	10/20/05	3974.27	51.89	54.60	2.71	3921.97
MW - 5	10/26/05	3974.27	51.88	54.89	3.01	3921.94

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/16/05	3974.27	51.86	54.58	2.72	3922.00
MW - 5	11/23/05	3974.27	51.93	54.55	2.62	3921.95
MW - 5	12/12/05	3974.27	51.83	54.54	2.71	3922.03
MW - 5	12/16/05	3974.27	51.99	53.20	1.21	3922.10
MW - 5	12/19/05	3974.27	51.89	54.80	2.91	3921.94
MW - 5	12/29/05	3974.27	51.94	54.57	2.63	3921.94
MW - 5	01/04/06	3974.27	51.99	54.50	2.51	3921.90
MW - 5	01/10/06	3974.27	51.90	54.52	2.62	3921.98
MW - 5	01/17/06	3974.27	51.85	54.50	2.65	3922.02
MW - 5	01/26/06	3974.27	51.83	54.47	2.64	3922.04
MW - 5	01/31/06	3974.27	51.86	54.51	2.65	3922.01
MW - 5	02/07/06	3974.27	51.83	54.45	2.62	3922.05
MW - 5	02/09/06	3974.27	51.86	54.40	2.54	3922.03
MW - 5	02/13/06	3974.27	51.89	54.49	2.60	3921.99
MW - 5	02/22/06	3974.27	51.81	54.45	2.64	3922.06
MW - 5	02/28/06	3974.27	51.83	54.44	2.61	3922.05
MW - 5	03/07/06	3974.27	51.89	54.40	2.51	3922.00
MW - 5	03/15/06	3974.27	51.81	54.40	2.59	3922.07
MW - 5	03/20/06	3974.27	51.77	54.34	2.57	3922.11
MW - 5	03/22/06	3974.27	52.12	53.31	1.19	3921.97
MW - 5	03/29/06	3974.27	51.79	54.30	2.51	3922.10
MW - 5	04/11/06	3974.27	51.76	54.30	2.54	3922.13
MW - 5	04/18/06	3974.27	51.76	54.31	2.55	3922.13
MW - 5	04/25/06	3974.27	51.84	54.25	2.41	3922.07
MW - 5	05/02/06	3974.27	51.76	54.33	2.57	3922.12
MW - 5	05/09/06	3974.27	51.76	54.33	2.57	3922.12
MW - 5	05/16/06	3974.27	51.78	54.30	2.52	3922.11
MW - 5	05/23/06	3974.27	51.76	54.28	2.52	3922.13
MW - 5	05/31/06	3974.27	51.76	54.30	2.54	3922.13
MW - 5	06/06/06	3974.27	51.76	54.34	2.58	3922.12
MW - 5	06/13/06	3974.27	51.77	54.26	2.49	3922.13
MW - 5	06/20/06	3974.27	51.76	54.27	2.51	3922.13
MW - 5	06/21/06	3974.27	51.82	53.96	2.14	3922.13
MW - 5	07/06/06	3974.27	51.75	54.21	2.46	3922.15
MW - 5	07/12/06	3974.27	51.81	53.91	2.10	3922.15
MW - 5	07/20/06	3974.27	51.82	52.16	0.34	3922.40
MW - 5	07/25/06	3974.27	51.87	53.84	1.97	3922.10
MW - 5	08/01/06	3974.27	51.81	54.02	2.21	3922.13
MW - 5	08/16/06	3974.27	52.13	52.70	0.57	3922.05
MW - 5	08/23/06	3974.27	51.89	53.53	1.64	3922.13
MW - 5	08/28/06	3974.27	51.86	53.75	1.89	3922.13
MW - 5	09/12/06	3974.27	51.84	53.80	1.96	3922.14
MW - 5	09/22/06	3974.27	51.84	53.80	1.96	3922.14

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	09/27/06	3974.27	51.81	53.90	2.09	3922.15
MW - 5	10/06/06	3974.27	51.82	53.84	2.02	3922.15
MW - 5	10/10/06	3974.27	51.90	53.86	1.96	3922.08
MW - 5	10/16/06	3974.27	51.87	53.84	1.97	3922.10
MW - 5	10/26/06	3974.27	51.85	53.85	2.00	3922.12
MW - 5	11/03/06	3974.27	51.83	53.82	1.99	3922.14
MW - 5	11/09/06	3974.27	51.83	53.74	1.91	3922.15
MW - 5	11/16/06	3974.27	51.89	53.78	1.89	3922.10
MW - 5	11/22/06	3974.27	51.81	53.87	2.06	3922.15
MW - 5	12/04/06	3974.27	51.84	53.75	1.91	3922.14
MW - 5	12/08/06	3974.27	51.85	53.78	1.93	3922.13
MW - 5	12/15/06	3974.27	51.74	54.05	2.31	3922.18
MW - 5	01/05/07	3974.27	51.77	54.04	2.27	3922.16
MW - 5	01/12/07	3974.27	51.75	54.04	2.29	3922.18
MW - 5	01/18/07	3974.27	51.74	54.03	2.29	3922.19
MW - 5	01/24/07	3974.27	51.76	54.06	2.30	3922.17
MW - 5	01/29/07	3974.27	51.71	53.97	2.26	3922.22
MW - 5	02/09/07	3974.27	51.73	53.98	2.25	3922.20
MW - 5	02/16/07	3974.27	51.73	53.98	2.25	3922.20
MW - 5	02/23/07	3974.27	51.71	53.96	2.25	3922.22
MW - 5	03/02/07	3974.27	51.79	54.05	2.26	3922.14
MW - 5	03/14/07	3974.27	51.78	53.77	1.99	3922.19
MW - 5	03/26/07	3974.27	51.72	53.93	2.21	3922.22
MW - 5	04/03/07	3974.27	51.72	53.93	2.21	3922.22
MW - 5	04/09/07	3974.27	51.71	53.91	2.20	3922.23
MW - 5	04/26/07	3974.27	51.71	53.88	2.17	3922.23
MW - 5	04/30/07	3974.27	51.72	53.84	2.12	3922.23
MW - 5	05/11/07	3974.27	51.73	53.84	2.11	3922.22
MW - 5	05/16/07	3974.27	51.71	53.83	2.12	3922.24
MW - 5	05/22/07	3974.27	51.70	53.82	2.12	3922.25
MW - 5	05/29/07	3974.27	51.69	53.82	2.13	3922.26
MW - 5	06/01/07	3974.27	51.71	53.86	2.15	3922.24
MW - 5	06/08/07	3974.27	51.70	53.82	2.12	3922.25
MW - 5	06/11/07	3974.27	51.71	53.80	2.09	3922.25
MW - 5	06/20/07	3974.27	51.70	53.80	2.10	3922.26
MW - 5	07/10/07	3974.27	51.69	53.78	2.09	3922.27
MW - 5	07/20/07	3974.27	51.69	53.76	2.07	3922.27
MW - 5	07/25/07	3974.27	51.68	53.75	2.07	3922.28
MW - 5	08/01/07	3974.27	51.68	53.71	2.03	3922.29
MW - 5	08/10/07	3974.27	51.69	53.74	2.05	3922.27
MW - 5	08/15/07	3974.27	51.68	53.71	2.03	3922.29
MW - 5	08/30/07	3974.27	51.69	53.71	2.02	3922.28
MW - 5	08/31/07	3974.27	51.69	53.71	2.02	3922.28

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	09/10/07	3974.27	51.69	53.70	2.01	3922.28
MW - 5	09/19/07	3974.27	51.67	53.68	2.01	3922.30
MW - 5	10/01/07	3974.27	52.03	52.32	0.29	3922.20
MW - 5	10/19/07	3974.27	51.89	53.04	1.15	3922.21
MW - 5	11/12/07	3974.27	51.84	52.93	1.09	3922.27
MW - 5	12/13/07	3974.27	51.93	52.74	0.81	3922.22
MW - 5	03/07/08	3974.27	51.77	52.82	1.05	3922.34
MW - 5	3/12/08 #1	3974.27	51.77	52.82	1.05	3922.34
MW - 5	3/12/08 #2	3974.27	51.82	52.50	0.68	3922.35
MW - 5	3/20/2008 #1	3974.27	51.78	52.83	1.05	3922.33
MW - 5	3/20/08 #2	3974.27	51.81	52.57	0.76	3922.35
MW - 5	3/23/08 #1	3974.27	51.84	52.88	1.04	3922.27
MW - 5	3/23/08 #2	3974.27	51.82	52.39	0.57	3922.36
MW - 5	4/2/08 #1	3974.27	51.79	52.99	1.20	3922.30
MW - 5	4/2/08 #2	3974.27	51.76	52.62	0.86	3922.38
MW - 5	4/9/08 #1	3974.27	51.71	53.11	1.40	3922.35
MW - 5	4/9/08 #2	3974.27	51.79	52.65	0.86	3922.35
MW - 5	04/16/08	3974.27	51.73	52.82	1.09	3922.38
MW - 5	04/30/08	3974.27	51.78	52.97	1.19	3922.31
MW - 5	05/29/08	3974.27	51.63	53.27	1.64	3922.39
MW - 5	06/02/08	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/03/08	3974.27	51.63	53.22	1.59	3922.40
MW - 5	06/11/08	3974.27	51.62	53.25	1.63	3922.41
MW - 5	06/18/08	3974.27	51.62	53.26	1.64	3922.40
MW - 5	06/23/08	3974.27	51.63	53.23	1.60	3922.40
MW - 5	07/01/08	3974.27	51.61	53.22	1.61	3922.42
MW - 5	07/09/08	3974.27	51.65	53.26	1.61	3922.38
MW - 5	07/15/08	3974.27	51.60	53.22	1.62	3922.43
MW - 5	07/22/08	3974.27	51.63	53.21	1.58	3922.40
MW - 5	08/02/08	3974.27	51.62	53.22	1.60	3922.41
MW - 5	08/13/08	3974.27	51.62	53.21	1.59	3922.41
MW - 5	09/03/08	3974.27	51.61	53.21	1.60	3922.42
MW - 5	09/11/08	3974.27	51.61	53.20	1.59	3922.42
MW - 5	09/19/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	09/26/08	3974.27	51.60	53.16	1.56	3922.44
MW - 5	10/10/08	3974.27	51.61	53.18	1.57	3922.42
MW - 5	10/17/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	10/21/08	3974.27	51.89	53.26	1.37	3922.17
MW - 5	10/30/08	3974.27	51.60	53.11	1.51	3922.44
MW - 5	11/04/08	3974.27	51.61	53.13	1.52	3922.43
MW - 5	11/18/08	3974.27	51.61	53.10	1.49	3922.44
MW - 5	11/25/08	3974.27	51.61	53.12	1.51	3922.43
MW - 5	12/10/08	3974.27	51.59	53.13	1.54	3922.45

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	12/18/08	3974.27	51.60	53.11	1.51	3922.44
MW - 5	01/07/09	3974.27	51.62	53.16	1.54	3922.42
MW - 5	01/14/09	3974.27	51.61	53.15	1.54	3922.43
MW - 5	01/21/09	3974.27	51.98	52.05	0.07	3922.28
MW - 5	01/22/09	3974.27	51.59	53.09	1.50	3922.46
MW - 5	01/30/09	3974.27	51.60	53.05	1.45	3922.45
MW - 5	02/03/09	3974.27	51.60	53.02	1.42	3922.46
MW - 5	02/12/09	3974.27	51.58	52.02	0.44	3922.62
MW - 5	02/19/09	3974.27	52.59	52.96	0.37	3921.62
MW - 5	03/04/09	3974.27	52.65	53.02	0.37	3921.56
MW - 5	03/06/09	3974.27	51.60	53.04	1.44	3922.45
MW - 5	03/11/09	3974.27	51.60	53.02	1.42	3922.46
MW - 5	03/16/09	3974.27	52.68	53.06	0.38	3921.53
MW - 5	03/19/09	3974.27	51.60	53.01	1.41	3922.46
MW - 5	03/24/09	3974.27	51.55	52.89	1.34	3922.52
MW - 5	04/03/09	3974.27	51.58	52.70	1.12	3922.52
MW - 5	04/15/09	3974.27	51.59	52.91	1.32	3922.48
MW - 5	04/17/09	3974.27	51.61	52.83	1.22	3922.48
MW - 5	04/22/09	3974.27	51.60	52.68	1.08	3922.51
MW - 5	04/29/09	3974.27	51.61	52.96	1.35	3922.46
MW - 5	05/20/09	3974.27	51.58	52.91	1.33	3922.49
MW - 5	05/20/09	3974.27	51.58	52.91	1.33	3922.49
MW - 5	06/09/09	3974.27	51.58	52.95	1.37	3922.48
MW - 5	06/17/09	3974.27	51.59	52.97	1.38	3922.47
MW - 5	06/23/09	3974.27	51.61	52.66	1.05	3922.50
MW - 5	07/01/09	3974.27	51.58	52.96	1.38	3922.48
MW - 5	07/08/09	3974.27	51.58	52.98	1.40	3922.48
MW - 5	07/15/09	3974.27	51.58	52.92	1.34	3922.49
MW - 5	07/17/09	3974.27	51.61	52.89	1.28	3922.47
MW - 5	07/23/09	3974.27	51.59	52.95	1.36	3922.48
MW - 5	07/24/09	3974.27	51.61	52.82	1.21	3922.48
MW - 5	07/30/09	3974.27	51.59	52.95	1.36	3922.48
MW - 5	08/04/09	3974.27	51.58	52.93	1.35	3922.49
MW - 5	08/12/09	3974.27	51.58	52.94	1.36	3922.49
MW - 5	08/20/09	3974.27	51.58	52.93	1.35	3922.49
MW - 5	08/26/09	3974.27	51.55	51.92	0.37	3922.66
MW - 5	09/02/09	3974.27	51.56	52.92	1.36	3922.51
MW - 5	09/09/09	3974.27	51.72	52.92	1.20	3922.37
MW - 5	09/14/09	3974.27	51.74	53.92	2.18	3922.20
MW - 5	09/21/09	3974.27	51.92	52.98	1.06	3922.19
MW - 5	10/01/09	3974.27	51.60	52.95	1.35	3922.47
MW - 5	10/08/09	3974.27	51.60	52.94	1.34	3922.47
MW - 5	10/14/09	3974.27	51.92	52.96	1.04	3922.19

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	10/21/09	3974.27	51.57	52.89	1.32	3922.50
MW - 5	10/28/09	3974.27	51.83	52.90	1.07	3922.28
MW - 5	11/04/09	3974.27	51.56	52.86	1.30	3922.52
MW - 5	11/11/09	3974.27	51.56	52.85	1.29	3922.52
MW - 5	11/18/09	3974.27	51.55	52.86	1.31	3922.52
MW - 5	11/25/09	3974.27	51.58	52.87	1.29	3922.50
MW - 5	12/02/09	3974.27	51.57	52.88	1.31	3922.50
MW - 5	12/10/09	3974.27	51.58	52.87	1.29	3922.50
MW - 5	12/17/09	3974.27	51.62	52.89	1.27	3922.46
MW - 5	12/21/09	3974.27	52.06	52.83	0.77	3922.09
MW - 5	12/30/09	3974.27	51.66	52.84	1.18	3922.43
MW - 5	01/07/10	3974.27	51.65	52.66	1.01	3922.47
MW - 5	01/18/10	3974.27	51.57	52.66	1.09	3922.54
MW - 5	02/02/10	3974.27	51.58	52.74	1.16	3922.52
MW - 5	02/11/10	3974.27	51.56	52.73	1.17	3922.53
MW - 5	02/18/10	3974.27	51.55	52.74	1.19	3922.54
MW - 5	02/25/10	3974.27	51.60	52.80	1.20	3922.49
MW - 5	03/02/10	3974.27	51.64	52.82	1.18	3922.45
MW - 5	03/04/10	3974.27	51.57	52.09	0.52	3922.62
MW - 5	03/10/10	3974.27	51.59	52.78	1.19	3922.50
MW - 5	03/12/10	3974.27	51.61	52.86	1.25	3922.47
MW - 5	03/15/10	3974.27	51.60	52.73	1.13	3922.50
MW - 5	03/18/10	3974.27	51.59	52.73	1.14	3922.51
MW - 5	03/22/10	3974.27	51.62	52.78	1.16	3922.48
MW - 5	03/24/10	3974.27	51.63	52.76	1.13	3922.47
MW - 5	03/30/10	3974.27	51.61	52.79	1.18	3922.48
MW - 5	04/07/10	3974.27	51.64	52.79	1.15	3922.46
MW - 5	04/12/10	3974.27	51.53	52.70	1.17	3922.56
MW - 5	04/16/10	3974.27	51.96	53.95	1.99	3922.01
MW - 5	04/20/10	3974.27	51.85	53.52	1.67	3922.17
MW - 5	04/27/10	3974.27	51.98	53.60	1.62	3922.05
MW - 5	04/30/10	3974.27	51.91	53.39	1.48	3922.14
MW - 5	05/12/10	3974.27	51.91	53.50	1.59	3922.12
MW - 5	05/14/10	3974.27	51.93	53.38	1.45	3922.12
MW - 5	05/17/10	3974.27	52.08	53.39	1.31	3921.99
MW - 5	05/20/10	3974.27	51.90	53.51	1.61	3922.13
MW - 5	05/25/10	3974.27	51.86	53.12	1.26	3922.22
MW - 5	06/01/10	3974.27	51.88	53.11	1.23	3922.21
MW - 5	06/09/10	3974.27	51.88	53.12	1.24	3922.20
MW - 5	06/16/10	3974.27	51.85	52.92	1.07	3922.26
MW - 5	06/28/10	3974.27	51.63	53.78	2.15	3922.32
MW - 5	07/09/10	3974.27	51.87	52.91	1.04	3922.24
MW - 5	07/14/10	3974.27	51.58	52.40	0.82	3922.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	07/23/10	3974.27	51.60	52.49	0.89	3922.54
MW - 5	07/29/10	3974.27	51.59	52.40	0.81	3922.56
MW - 5	08/05/10	3974.27	51.61	52.40	0.79	3922.54
MW - 5	08/12/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/16/10	3974.27	51.62	52.42	0.80	3922.53
MW - 5	08/18/10	3974.27	51.59	52.45	0.86	3922.55
MW - 5	08/25/10	3974.27	51.81	52.84	1.03	3922.31
MW - 5	09/02/10	3974.27	51.81	52.88	1.07	3922.30
MW - 5	09/09/10	3974.27	51.62	52.41	0.79	3922.53
MW - 5	09/30/10	3974.27	51.61	52.36	0.75	3922.55
MW - 5	10/07/10	3974.27	51.64	52.35	0.71	3922.52
MW - 5	10/14/10	3974.27	51.88	53.49	1.61	3922.15
MW - 5	10/21/10	3974.27	51.88	53.46	1.58	3922.15
MW - 5	11/04/10	3974.27	51.86	52.77	0.91	3922.27
MW - 5	11/10/10	3974.27	51.88	53.43	1.55	3922.16
MW - 5	12/01/10	3974.27	51.70	52.44	0.74	3922.46
MW - 5	12/08/10	3974.27	51.85	52.77	0.92	3922.28
MW - 5	01/26/11	3974.27	51.59	52.51	0.92	3922.54
MW - 5	02/28/11	3974.27	51.86	53.46	1.60	3922.17
MW - 5	03/04/11	3974.27	51.66	52.44	0.78	3922.49
MW - 5	03/09/11	3974.27	51.75	53.12	1.37	3922.31
MW - 5	04/28/11	3974.27	51.74	52.91	1.17	3922.35
MW - 5	05/04/11	3974.27	51.70	52.90	1.20	3922.39
MW - 5	05/11/11	3974.27	51.69	52.82	1.13	3922.41
MW - 5	05/12/11	3974.27	51.62	52.61	0.99	3922.50
MW - 5	05/18/11	3974.27	51.64	52.75	1.11	3922.46
MW - 5	05/23/11	3974.27	51.76	52.88	1.12	3922.34
MW - 5	06/08/11	3974.27	51.72	53.19	1.47	3922.33
MW - 5	06/16/11	3974.27	51.73	53.02	1.29	3922.35
MW - 5	06/22/11	3974.27	51.68	52.88	1.20	3922.41
MW - 5	06/30/11	3974.27	51.64	53.20	1.56	3922.40
MW - 5	07/06/11	3974.27	51.57	52.79	1.22	3922.52
MW - 5	07/13/11	3974.27	51.68	53.12	1.44	3922.37
MW - 5	07/15/11	3974.27	51.75	53.20	1.45	3922.30
MW - 5	07/19/11	3974.27	51.60	52.53	0.93	3922.53
MW - 5	07/21/11	3974.27	51.61	52.80	1.19	3922.48
MW - 5	07/26/11	3974.27	51.76	52.68	0.92	3922.37
MW - 5	07/28/11	3974.27	51.73	52.97	1.24	3922.35
MW - 5	08/02/11	3974.27	51.88	53.58	1.70	3922.14
MW - 5	08/09/11	3974.27	51.82	53.30	1.48	3922.23
MW - 5	08/12/11	3974.27	51.84	52.96	1.12	3922.26
MW - 5	08/15/11	3974.27	51.84	52.96	1.12	3922.26
MW - 5	08/16/11	3974.27	51.66	52.63	0.97	3922.46

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	08/19/11	3974.27	51.73	52.55	0.82	3922.42
MW - 5	08/23/11	3974.27	51.74	52.75	1.01	3922.38
MW - 5	08/26/11	3974.27	51.78	53.05	1.27	3922.30
MW - 5	08/30/11	3974.27	51.60	52.50	0.90	3922.54
MW - 5	09/01/11	3974.27	51.65	52.16	0.51	3922.54
MW - 5	09/08/11	3974.27	51.80	53.37	1.57	3922.23
MW - 5	09/13/11	3974.27	51.72	53.04	1.32	3922.35
MW - 5	09/15/11	3974.27	51.81	53.17	1.36	3922.26
MW - 5	09/22/11	3974.27	51.61	52.40	0.79	3922.54
MW - 5	10/06/11	3974.27	51.72	52.82	1.10	3922.39
MW - 5	10/11/11	3974.27	51.81	52.96	1.15	3922.29
MW - 5	10/13/11	3974.27	51.87	53.61	1.74	3922.14
MW - 5	10/26/11	3974.27	51.81	53.23	1.42	3922.25
MW - 5	11/22/11	3974.27	51.76	52.83	1.07	3922.35
MW - 5	12/02/11	3974.27	51.59	52.56	0.97	3922.53
MW - 5	12/29/11	3974.27	51.59	52.59	1.00	3922.53
MW - 5	01/26/12	3974.27	51.65	52.82	1.17	3922.44
MW - 5	01/31/12	3974.27	51.68	52.87	1.19	3922.41
MW - 5	02/15/12	3974.27	51.59	52.57	0.98	3922.53
MW - 5	02/28/12	3974.27	51.63	52.70	1.07	3922.48
MW - 5	03/20/12	3974.27	51.72	53.18	1.46	3922.33
MW - 5	03/27/12	3974.27	51.67	53.00	1.33	3922.40
MW - 5	04/10/12	3974.27	51.74	53.11	1.37	3922.32
MW - 5	04/19/12	3974.27	51.67	52.96	1.29	3922.41
MW - 5	04/26/12	3974.27	51.69	52.40	0.71	3922.47
MW - 5	05/08/12	3974.27	51.69	52.40	0.71	3922.47
MW - 5	05/15/12	3974.27	51.58	52.71	1.13	3922.52
MW - 5	05/17/12	3974.27	51.56	52.70	1.14	3922.54
MW - 5	06/05/12	3974.27	51.68	53.12	1.44	3922.37
MW - 5	06/21/12	3974.27	51.68	53.24	1.56	3922.36
MW - 5	06/28/12	3974.27	51.67	53.29	1.62	3922.36
MW - 5	07/17/12	3974.27	51.90	52.61	0.71	3922.26
MW - 5	08/01/12	3974.27	51.68	52.81	1.13	3922.42
MW - 5	10/02/12	3974.27	51.69	53.16	1.47	3922.36
MW - 5	10/09/12	3974.27	51.67	53.20	1.53	3922.37
MW - 5	10/16/12	3974.27	51.67	53.09	1.42	3922.39
MW - 5	10/25/12	3974.27	51.67	53.21	1.54	3922.37
MW - 5	10/30/12	3974.27	51.68	53.20	1.52	3922.36
MW - 5	11/29/12	3974.27	51.69	53.54	1.85	3922.30
MW - 5	12/14/12	3974.27	51.70	53.26	1.56	3922.34
MW - 5	02/11/13	3974.27	51.67	53.02	1.35	3922.40
MW - 5	04/11/13	3974.27	51.82	53.84	2.02	3922.15
MW - 5	04/15/13	3974.27	51.85	53.78	1.93	3922.13

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	04/22/13	3974.27	51.65	53.14	1.49	3922.40
MW - 5	05/06/13	3974.27	51.68	53.16	1.48	3922.37
MW - 5	05/09/13	3974.27	51.67	53.18	1.51	3922.37
MW - 5	05/20/13	3974.27	51.67	53.23	1.56	3922.37
MW - 5	05/24/13	3974.27	51.74	53.86	2.12	3922.21
MW - 5	05/29/13	3974.27	51.66	53.25	1.59	3922.37
MW - 5	05/31/13	3974.27	51.74	53.40	1.66	3922.28
MW - 5	06/07/13	3974.27	51.98	53.99	2.01	3921.99
MW - 5	06/12/13	3974.27	51.93	53.88	1.95	3922.05
MW - 5	06/14/13	3974.27	51.42	53.62	2.20	3922.52
MW - 5	06/19/13	3974.27	51.96	53.88	1.92	3922.02
MW - 5	06/21/13	3974.27	52.01	53.76	1.75	3922.00
MW - 5	06/25/13	3974.27	51.73	52.71	0.98	3922.39
MW - 5	06/26/13	3974.27	51.85	53.57	1.72	3922.16
MW - 5	07/03/13	3974.27	52.03	53.89	1.86	3921.96
MW - 5	07/09/13	3974.27	52.00	54.19	2.19	3921.94
MW - 5	07/11/13	3974.27	51.98	54.00	2.02	3921.99
MW - 5	07/24/13	3974.27	51.95	52.87	0.92	3922.18
MW - 5	07/26/13	3974.27	51.89	53.65	1.76	3922.12
MW - 5	07/31/13	3974.27	51.73	53.38	1.65	3922.29
MW - 5	08/02/13	3974.27	51.93	53.71	1.78	3922.07
MW - 5	08/06/13	3974.27	51.76	53.33	1.57	3922.27
MW - 5	08/14/13	3974.27	51.78	53.42	1.64	3922.24
MW - 5	08/21/13	3974.27	51.92	53.75	1.83	3922.08
MW - 5	08/26/13	3974.27	51.89	53.56	1.67	3922.13
MW - 5	09/06/13	3974.27	51.91	53.75	1.84	3922.08
MW - 5	08/30/13	3974.27	51.77	53.32	1.55	3922.27
MW - 5	09/13/13	3974.27	51.83	53.27	1.44	3922.22
MW - 5	09/27/13	3974.27	51.86	53.67	1.81	3922.14
MW - 5	09/30/13	3974.27	51.80	53.52	1.72	3922.21
MW - 5	10/02/13	3974.27	51.94	53.85	1.91	3922.04
MW - 5	10/03/13	3974.27	51.89	53.15	1.26	3922.19
MW - 5	10/11/13	3974.27	51.77	53.33	1.56	3922.27
MW - 5	10/17/13	3974.27	51.77	53.39	1.62	3922.26
MW - 5	10/22/13	3974.27	51.76	53.41	1.65	3922.26
MW - 5	10/24/13	3974.27	51.88	53.71	1.83	3922.12
MW - 5	11/01/13	3974.27	51.80	53.25	1.45	3922.25
MW - 5	11/04/13	3974.27	51.80	53.36	1.56	3922.24
MW - 5	11/08/13	3974.27	51.95	54.00	2.05	3922.01
MW - 5	11/13/13	3974.27	51.77	53.35	1.58	3922.26
MW - 5	11/15/13	3974.27	51.76	53.36	1.60	3922.27
MW - 5	11/18/13	3974.27	51.79	53.45	1.66	3922.23
MW - 5	12/12/13	3974.27	51.80	53.55	1.75	3922.21

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	12/16/13	3974.27	51.80	53.53	1.73	3922.21
MW - 5	12/18/13	3974.27	51.81	53.54	1.73	3922.20
MW - 5	12/23/13	3974.27	51.84	53.58	1.74	3922.17
MW - 5	12/30/13	3974.27	51.81	53.45	1.64	3922.21
MW - 5	01/01/14	3974.27	51.65	53.76	2.11	3922.30
MW - 5	01/06/14	3974.27	51.73	53.43	1.70	3922.29
MW - 5	01/15/14	3974.27	51.88	53.55	1.67	3922.14
MW - 5	01/17/14	3974.27	51.80	53.32	1.52	3922.24
MW - 5	01/20/14	3974.27	52.01	54.13	2.12	3921.94
MW - 5	01/22/14	3974.27	52.23	54.19	1.96	3921.75
MW - 5	01/29/14	3974.27	51.80	53.50	1.70	3922.22
MW - 5	02/04/14	3974.27	51.76	53.54	1.78	3922.24
MW - 5	02/13/14	3974.27	51.78	53.58	1.80	3922.22
MW - 5	02/21/14	3974.27	52.00	54.28	2.28	3921.93
MW - 5	02/26/14	3974.27	52.04	54.30	2.26	3921.89
MW - 5	03/12/14	3974.27	51.86	53.71	1.85	3922.13
MW - 5	03/14/14	3974.27	51.84	53.64	1.80	3922.16
MW - 5	03/17/14	3974.27	51.86	53.66	1.80	3922.14
MW - 5	03/24/14	3974.27	52.26	54.10	1.84	3921.73
MW - 5	03/26/14	3974.27	52.44	54.02	1.58	3921.59
MW - 5	04/09/14	3974.27	51.78	53.42	1.64	3922.24
MW - 5	04/18/14	3974.27	51.79	53.42	1.63	3922.24
MW - 5	04/21/14	3974.27	51.78	53.47	1.69	3922.24
MW - 5	04/28/14	3974.27	51.77	53.53	1.76	3922.24
MW - 5	05/09/14	3974.27	51.88	53.76	1.88	3922.11
MW - 5	05/12/14	3974.27	51.91	53.90	1.99	3922.06
MW - 5	05/19/14	3974.27	51.81	53.73	1.92	3922.17
MW - 5	05/28/14	3974.27	51.85	53.76	1.91	3922.13
MW - 5	06/04/14	3974.27	51.89	53.86	1.97	3922.08
MW - 5	06/13/14	3974.27	51.88	53.86	1.98	3922.09
MW - 5	06/16/14	3974.27	51.83	53.37	1.54	3922.21
MW - 5	07/02/14	3974.27	51.80	53.66	1.86	3922.19
MW - 5	07/07/14	3974.27	51.81	53.70	1.89	3922.18
MW - 5	07/18/14	3974.27	51.98	54.15	2.17	3921.96
MW - 5	07/30/14	3974.27	51.86	53.54	1.68	3922.16
MW - 5	08/11/14	3974.27	51.87	53.67	1.80	3922.13
MW - 5	08/22/14	3974.27	51.89	53.65	1.76	3922.12
MW - 5	08/23/14	3974.27	51.89	53.65	1.76	3922.12
MW - 5	09/10/14	3974.27	51.90	53.96	2.06	3922.06
MW - 5	09/23/14	3974.27	51.92	53.96	2.04	3922.04
MW - 5	09/25/14	3974.27	52.18	54.45	2.27	3921.75
MW - 5	10/03/14	3974.27	51.98	53.96	1.98	3921.99
MW - 5	10/15/14	3974.27	51.49	53.79	2.30	3922.44

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	10/17/14	3974.27	52.02	54.34	2.32	3921.90
MW - 5	10/24/14	3974.27	52.08	54.12	2.04	3921.88
MW - 5	10/27/14	3974.27	52.06	54.10	2.04	3921.90
MW - 5	10/31/14	3974.27	51.72	53.80	2.08	3922.24
MW - 5	11/03/14	3974.27	51.69	55.75	4.06	3921.97
MW - 5	11/10/14	3974.27	51.87	54.20	2.33	3922.05
MW - 5	11/14/14	3974.27	51.85	53.59	1.74	3922.16
MW - 5	11/17/14	3974.27	51.91	53.47	1.56	3922.13
MW - 5	11/18/14	3974.27	51.91	53.47	1.56	3922.13
MW - 5	11/21/14	3974.27	51.93	53.51	1.58	3922.10
MW - 5	12/03/14	3974.27	51.88	53.69	1.81	3922.12
MW - 5	12/05/14	3974.27	51.90	53.54	1.64	3922.12
MW - 5	12/12/14	3974.27	51.92	53.50	1.58	3922.11
MW - 5	12/15/14	3974.27	51.92	53.50	1.58	3922.11
MW - 5	12/19/14	3974.27	51.94	53.52	1.58	3922.09
MW - 5	12/22/14	3974.27	51.90	53.47	1.57	3922.13
MW - 5	01/05/15	3974.27	51.88	53.42	1.54	3922.16
MW - 5	01/09/15	3974.27	51.86	53.63	1.77	3922.14
MW - 5	01/14/15	3974.27	51.86	53.65	1.79	3922.14
MW - 5	1/21/2015	3974.27	51.86	53.40	1.54	3922.18
MW - 5	02/18/15	3974.27	51.95	53.69	1.74	3922.06
MW - 5	02/19/15	3974.27	51.92	53.30	1.38	3922.14
MW - 5	03/09/15	3974.27	51.87	53.38	1.51	3922.17
MW - 5	03/11/15	3974.27	51.85	53.58	1.73	3922.16
MW - 5	03/18/15	3974.27	51.85	53.52	1.67	3922.17
MW - 5	03/31/15	3974.27	51.88	53.42	1.54	3922.16
MW - 5	04/09/15	3974.27	51.84	53.46	1.62	3922.19
MW - 5	04/15/15	3974.27	51.83	53.51	1.68	3922.19
MW - 5	04/22/15	3974.27	51.83	53.55	1.72	3922.18
MW - 5	05/12/15	3974.27	51.84	53.58	1.74	3922.17
MW - 5	05/26/15	3974.27	51.84	53.37	1.53	3922.20
MW - 5	06/01/15	3974.27	51.85	53.58	1.73	3922.16
MW - 5	06/04/15	3974.27	51.84	53.67	1.83	3922.16
MW - 5	06/22/15	3974.27	51.95	54.00	2.05	3922.01
MW - 5	06/26/15	3974.27	52.10	53.93	1.83	3921.90
MW - 5	07/22/15	3974.27	52.02	53.53	1.51	3922.02
MW - 5	07/27/15	3974.27	52.08	53.83	1.75	3921.93
MW - 5	08/18/15	3974.27	51.85	53.31	1.46	3922.20
MW - 5	09/09/15	3974.27	52.00	54.15	2.15	3921.95
MW - 5	09/30/15	3974.27	52.14	54.50	2.36	3921.78
MW - 5	10/08/15	3974.27	51.98	53.90	1.92	3922.00
MW - 5	10/16/15	3974.27	52.08	54.27	2.19	3921.86
MW - 5	10/21/15	3974.27	52.50	53.84	1.34	3921.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/18/15	3974.27	52.03	53.95	1.92	3921.95
MW - 5	11/23/15	3974.27	51.94	53.52	1.58	3922.09
MW - 5	12/04/15	3974.27	51.85	53.69	1.84	3922.14
MW - 5	12/09/15	3974.27	52.14	54.19	2.05	3921.82
MW - 5	01/12/16	3974.27	51.90	53.83	1.93	3922.08
MW - 5	01/22/16	3974.27	51.93	53.65	1.72	3922.08
MW - 5	01/25/16	3974.27	52.00	53.80	1.80	3922.00
MW - 5	02/12/16	3974.27	52.03	54.13	2.10	3921.93
MW - 5	02/17/16	3974.27	52.00	53.86	1.86	3921.99
MW - 5	02/24/16	3974.27	51.90	53.58	1.68	3922.12
MW - 5	03/09/16	3974.27	52.01	54.11	2.10	3921.95
MW - 5	03/30/16	3974.27	52.03	54.07	2.04	3921.93
MW - 5	04/13/16	3974.27	52.00	54.09	2.09	3921.96
MW - 5	04/27/16	3974.27	52.01	54.00	1.99	3921.96
MW - 5	05/11/16	3974.27	51.99	53.96	1.97	3921.98
MW - 5	06/03/16	3974.27	52.02	54.13	2.11	3921.93
MW - 5	06/13/16	3974.27	51.91	53.61	1.70	3922.11
MW - 5	07/01/16	3974.27	52.05	53.93	1.88	3921.94
MW - 5	07/08/16	3974.27	51.98	53.87	1.89	3922.01
MW - 5	07/12/16	3974.27	51.95	53.06	1.11	3922.15
MW - 5	07/18/16	3974.27	51.99	53.83	1.84	3922.00
MW - 5	08/02/16	3974.27	52.00	53.48	1.48	3922.05
MW - 5	08/12/16	3974.27	52.12	54.18	2.06	3921.84
MW - 5	08/17/16	3974.27	51.97	53.94	1.97	3922.00
MW - 5	09/21/16	3974.27	51.95	53.82	1.87	3922.04
MW - 5	10/21/16	3974.27	51.92	53.73	1.81	3922.08
MW - 5	10/24/16	3974.27	52.08	54.12	2.04	3921.88
MW - 5	10/26/16	3974.27	52.39	52.52	0.13	3921.86
MW - 5	10/31/16	3974.27	52.06	54.09	2.03	3921.91
MW - 5	11/21/16	3974.27	52.45	52.66	0.21	3921.79
MW - 5	11/28/16	3974.27	51.90	53.87	1.97	3922.07
MW - 5	12/07/16	3974.27	52.09	54.46	2.37	3921.82
MW - 5	12/14/16	3974.27	52.09	54.19	2.10	3921.87
MW - 5	12/21/16	3974.27	51.92	53.76	1.84	3922.07
MW - 5	01/04/17	3974.27	51.90	53.86	1.96	3922.08
MW - 5	01/12/17	3974.27	51.90	53.88	1.98	3922.07
MW - 5	01/26/17	3974.27	52.03	53.45	1.42	3922.03
MW - 5	02/07/17	3974.27	51.95	54.00	2.05	3922.01
MW - 5	02/21/17	3974.27	51.90	53.84	1.94	3922.08
MW - 5	02/23/17	3974.27	51.89	53.79	1.90	3922.10
MW - 5	03/08/17	3974.27	52.02	53.95	1.93	3921.96
MW - 5	04/07/17	3974.27	51.88	53.81	1.93	3922.10
MW - 5	04/18/17	3974.27	51.88	53.84	1.96	3922.10

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	05/10/17	3974.27	51.98	54.20	2.22	3921.96
MW - 5	05/24/17	3974.27	51.62	54.72	3.10	3922.19
MW - 5	06/02/17	3974.27	51.82	53.80	1.98	3922.15
MW - 5	07/12/17	3974.27	52.04	54.15	2.11	3921.91
MW - 5	07/19/17	3974.27	52.05	53.94	1.89	3921.94
MW - 5	07/27/17	3974.27	51.93	53.85	1.92	3922.05
MW - 5	08/11/17	3974.27	52.01	54.10	2.09	3921.95
MW - 5	08/24/17	3974.27	51.95	53.98	2.03	3922.02
MW - 5	09/05/17	3974.27	51.97	54.04	2.07	3921.99
MW - 5	10/18/17	3974.27	52.01	54.21	2.20	3921.93
MW - 5	10/25/17	3974.27	52.01	53.94	1.93	3921.97
MW - 5	10/25/17	3974.27	51.97	54.05	2.08	3921.99
MW - 5	11/01/17	3974.27	51.99	53.96	1.97	3921.98
MW - 5	11/08/17	3974.27	51.97	54.05	2.08	3921.99
MW - 5	11/28/17	3974.27	51.99	54.08	2.09	3921.97
MW - 5	12/19/17	3974.27	51.97	54.09	2.12	3921.98
MW - 5	01/16/18	3974.27	51.97	54.15	2.18	3921.97
MW - 5	01/30/18	3974.27	51.96	54.05	2.09	3922.00
MW - 5	02/06/18	3974.27	51.98	54.11	2.13	3921.97
MW - 5	02/13/18	3974.27	52.01	54.12	2.11	3921.94
MW - 5	02/26/18	3974.27	51.99	53.96	1.97	3921.98
MW - 5	04/03/18	3974.27	51.98	53.91	1.93	3922.00
MW - 5	04/17/18	3974.27	51.95	53.97	2.02	3922.02
MW - 5	05/07/18	3974.27	52.08	54.14	2.06	3921.88
MW - 5	06/21/18	3974.27	51.99	54.20	2.21	3921.95
MW - 5	06/26/18	3974.27	52.00	54.19	2.19	3921.94
MW - 5	07/12/18	3974.27	52.01	54.32	2.31	3921.91
MW - 5	07/17/18	3974.27	52.00	54.22	2.22	3921.94
MW - 5	08/01/18	3974.27	52.02	54.16	2.14	3921.93
MW - 5	08/09/18	3974.27	52.02	54.27	2.25	3921.91
MW - 5	08/23/18	3974.27	52.02	54.31	2.29	3921.91
MW - 5	08/30/18	3974.27	52.04	53.16	1.12	3922.06
MW - 5	08/31/18	3974.27	52.04	54.29	2.25	3921.89
MW - 5	09/11/18	3974.27	52.11	54.07	1.96	3921.87
MW - 5	09/19/18	3974.27	52.04	53.98	1.94	3921.94
MW - 5	10/16/18	3974.27	52.06	54.28	2.22	3921.88
MW - 5	11/01/18	3974.27	52.08	54.16	2.08	3921.88
MW - 5	11/05/18	3974.27	52.06	54.11	2.05	3921.90
MW - 5	11/14/18	3974.27	52.05	54.14	2.09	3921.91
MW - 5	12/04/18	3974.27	52.07	54.19	2.12	3921.88
MW - 5	12/06/18	3974.27	52.04	54.11	2.07	3921.92
MW - 5	12/18/18	3974.27	52.08	54.29	2.21	3921.86
MW - 5	12/20/18	3974.27	52.07	54.35	2.28	3921.86

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	12/26/18	3974.27	52.05	54.25	2.20	3921.89
MW - 5	01/08/19	3974.27	52.06	54.31	2.25	3921.87
MW - 5	01/10/19	3974.27	52.08	54.29	2.21	3921.86
MW - 5	01/15/19	3974.27	52.11	54.21	2.10	3921.85
MW - 5	01/24/19	3974.27	52.33	53.98	1.65	3921.69
MW - 5	02/11/19	3974.27	52.27	54.02	1.75	3921.74
MW - 5	02/18/19	3974.27	52.00	54.03	2.03	3921.97
MW - 5	04/16/19	3974.27	52.19	53.96	1.77	3921.81
MW - 5	04/23/19	3974.27	52.16	55.02	2.86	3921.68
MW - 5	04/30/19	3974.27	52.03	54.41	2.38	3921.88
MW - 5	05/07/19	3974.27	52.10	54.03	1.93	3921.88
MW - 5	05/09/19	3974.27	52.62	53.96	1.34	3921.45
MW - 5	05/14/19	3974.27	51.98	53.95	1.97	3921.99
MW - 5	06/04/19	3974.27	52.23	54.29	2.06	3921.73
MW - 5	06/11/19	3974.27	52.39	54.35	1.96	3921.59
MW - 5	06/13/19	3974.27	52.28	54.27	1.99	3921.69
MW - 5	06/17/19	3974.27	52.05	54.06	2.01	3921.92
MW - 5	07/01/19	3974.27	52.02	54.31	2.29	3921.91
MW - 5	07/02/19	3974.27	52.10	54.19	2.09	3921.86
MW - 5	08/19/19	3974.27	52.11	54.16	2.05	3921.85
MW - 5	08/29/19	3974.27	52.16	54.21	2.05	3921.80
MW - 5	09/03/19	3974.27	52.12	53.28	1.16	3921.98
MW - 5	09/10/19	3974.27	52.13	53.27	1.14	3921.97
MW - 5	10/01/19	3974.27	52.13	53.25	1.12	3921.97
MW - 5	10/22/19	3974.27	52.25	53.38	1.13	3921.85
MW - 5	11/11/19	3974.27	52.17	54.21	2.04	3921.79
MW - 5	11/15/19	3974.27	52.10	55.12	3.02	3921.72
MW - 5	01/08/20	3974.27	52.05	55.10	3.05	3921.76
MW - 5	02/13/20	3974.27	52.19	54.43	2.24	3921.74
MW - 5	02/18/20	3974.27	52.08	54.84	2.76	3921.78
MW - 5	05/05/20	3974.27	52.08	55.01	2.93	3921.75
MW - 5	06/11/20	3974.27	52.08	55.16	3.08	3921.73
MW - 5	09/23/20	3974.27	52.17	55.34	3.17	3921.62
MW - 5	12/04/20	3974.27	52.18	55.42	3.24	3921.60
MW - 6	03/02/00	3974.72	53.10	53.84	0.74	3921.51
MW - 6	04/25/00	3974.72	53.14	53.91	0.77	3921.46
MW - 6	09/06/00	3974.72	52.81	55.87	3.06	3921.45
MW - 6	11/28/00	3974.72	52.91	55.62	2.71	3921.40
MW - 6	02/21/01	3974.72	52.79	55.42	2.63	3921.54
MW - 6	05/31/01	3974.72	52.95	54.83	1.88	3921.49
MW - 6	08/23/01	3974.72	52.69	55.95	3.26	3921.54
MW - 6	11/21/01	3974.72	53.42	55.42	2.00	3921.00

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/13/02	3974.72	52.74	56.04	3.30	3921.49
MW - 6	06/12/02	3974.72	52.63	56.16	3.53	3921.56
MW - 6	08/26/02	3974.72	52.67	56.24	3.57	3921.51
MW - 6	11/08/02	3974.72	53.03	55.06	2.03	3921.39
MW - 6	11/21/02	3974.72	53.10	54.57	1.47	3921.40
MW - 6	12/27/02	3974.72	52.95	54.97	2.02	3921.47
MW - 6	01/06/03	3974.72	52.90	55.38	2.48	3921.45
MW - 6	01/08/03	3974.72	52.88	55.42	2.54	3921.46
MW - 6	01/10/03	3974.72	52.86	55.86	3.00	3921.41
MW - 6	01/13/03	3974.72	52.85	55.55	2.70	3921.47
MW - 6	02/05/03	3974.72	52.80	55.81	3.01	3921.47
MW - 6	02/26/03	3974.72	52.71	56.09	3.38	3921.50
MW - 6	03/04/03	3974.72	52.72	56.09	3.37	3921.49
MW - 6	03/12/03	3974.72	52.73	56.18	3.45	3921.47
MW - 6	03/18/03	3974.72	52.71	56.25	3.54	3921.48
MW - 6	03/25/03	3974.72	52.71	56.18	3.47	3921.49
MW - 6	03/31/03	3974.72	52.69	56.21	3.52	3921.50
MW - 6	04/09/03	3974.72	52.73	53.02	0.29	3921.95
MW - 6	04/14/03	3974.72	52.61	53.00	0.39	3922.05
MW - 6	05/07/03	3974.72	52.92	56.21	3.29	3921.31
MW - 6	05/08/03	3974.72	52.75	56.04	3.29	3921.48
MW - 6	05/13/03	3974.72	52.80	59.21	6.41	3920.96
MW - 6	05/21/03	3974.72	52.73	56.11	3.38	3921.48
MW - 6	05/27/03	3974.72	53.12	56.50	3.38	3921.09
MW - 6	05/28/03	3974.72	53.20	56.65	3.45	3921.00
MW - 6	06/03/03	3974.72	53.19	56.68	3.49	3921.01
MW - 6	06/10/03	3974.72	52.73	56.25	3.52	3921.46
MW - 6	07/01/03	3974.72	52.77	56.31	3.54	3921.42
MW - 6	07/08/03	3974.72	52.77	56.40	3.63	3921.41
MW - 6	07/30/03	3974.72	52.62	56.23	3.61	3921.56
MW - 6	08/04/03	3974.72	52.40	56.45	4.05	3921.71
MW - 6	08/18/03	3974.72	52.97	54.18	1.21	3921.57
MW - 6	08/25/03	3974.72	53.40	57.02	3.62	3920.78
MW - 6	10/01/03	3974.72	52.77	54.90	2.13	3921.63
MW - 6	10/06/03	3974.72	52.72	56.26	3.54	3921.47
MW - 6	10/08/03	3974.72	53.05	56.62	3.57	3921.13
MW - 6	10/15/03	3974.72	53.47	57.10	3.63	3920.71
MW - 6	11/12/03	3974.72	53.11	55.91	2.80	3921.19
MW - 6	11/19/03	3974.72	53.12	56.70	3.58	3921.06
MW - 6	12/01/03	3974.72	53.08	56.70	3.62	3921.10
MW - 6	12/10/03	3974.72	52.82	56.33	3.51	3921.37
MW - 6	02/05/04	3974.72	53.63	57.18	3.55	3920.56
MW - 6	02/17/04	3974.72	52.89	56.34	3.45	3921.31

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/25/04	3974.72	53.60	57.13	3.53	3920.59
MW - 6	03/09/04	3974.72	52.91	56.40	3.49	3921.29
MW - 6	03/16/04	3974.72	53.14	54.19	1.05	3921.42
MW - 6	03/22/04	3974.72	53.04	55.22	2.18	3921.35
MW - 6	04/07/04	3974.72	53.14	53.69	0.55	3921.50
MW - 6	04/12/04	3974.72	53.50	56.43	2.93	3920.78
MW - 6	04/19/04	3974.72	53.10	53.49	0.39	3921.56
MW - 6	05/05/04	3974.72	53.04	56.06	3.02	3921.23
MW - 6	05/11/04	3974.72	52.19	56.21	4.02	3921.93
MW - 6	06/07/04	3974.72	52.77	55.87	3.10	3921.49
MW - 6	06/15/04	3974.72	52.78	55.90	3.12	3921.47
MW - 6	06/20/04	3974.72	52.78	55.90	3.12	3921.47
MW - 6	06/21/04	3974.72	52.77	55.77	3.00	3921.50
MW - 6	06/28/04	3974.72	52.77	55.91	3.14	3921.48
MW - 6	07/08/04	3974.72	52.75	55.87	3.12	3921.50
MW - 6	07/12/04	3974.72	52.76	55.90	3.14	3921.49
MW - 6	08/06/04	3974.72	52.83	55.80	2.97	3921.44
MW - 6	08/12/04	3974.72	52.85	55.82	2.97	3921.42
MW - 6	08/17/04	3974.72	52.77	55.94	3.17	3921.47
MW - 6	09/01/04	3974.72	53.21	54.22	1.01	3921.36
MW - 6	09/03/04	3974.72	53.31	54.02	0.71	3921.30
MW - 6	09/08/04	3974.72	52.16	53.52	1.36	3922.36
MW - 6	09/14/04	3974.72	53.20	54.26	1.06	3921.36
MW - 6	09/22/04	3974.72	53.22	54.14	0.92	3921.36
MW - 6	10/01/04	3974.72	53.10	54.89	1.79	3921.35
MW - 6	10/08/04	3974.72	53.25	54.05	0.80	3921.35
MW - 6	10/15/04	3974.72	53.11	53.88	0.77	3921.49
MW - 6	10/22/04	3974.72	53.05	54.55	1.50	3921.45
MW - 6	11/12/04	3974.72	53.22	54.16	0.94	3921.36
MW - 6	11/26/04	3974.72	53.11	54.55	1.44	3921.39
MW - 6	12/02/04	3974.72	53.79	55.20	1.41	3920.72
MW - 6	12/06/04	3974.72	53.87	54.96	1.09	3920.69
MW - 6	12/13/04	3974.72	53.51	54.51	1.00	3921.06
MW - 6	12/15/04	3974.72	53.51	54.51	1.00	3921.06
MW - 6	12/27/04	3974.72	53.85	55.60	1.75	3920.61
MW - 6	01/10/05	3974.72	53.02	54.20	1.18	3921.52
MW - 6	01/18/05	3974.72	52.96	54.49	1.53	3921.53
MW - 6	01/18/05	3974.72	53.14	53.52	0.38	3921.52
MW - 6	01/25/05	3974.72	53.08	53.78	0.70	3921.54
MW - 6	01/27/05	3974.72	53.21	53.42	0.21	3921.48
MW - 6	02/01/05	3974.72	53.19	53.51	0.32	3921.48
MW - 6	02/07/05	3974.72	53.14	53.54	0.40	3921.52
MW - 6	02/11/05	3974.72	53.15	53.55	0.40	3921.51

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/15/05	3974.72	53.10	53.52	0.42	3921.56
MW - 6	02/22/05	3974.72	53.09	53.58	0.49	3921.56
MW - 6	02/24/05	3974.72	53.08	53.65	0.57	3921.55
MW - 6	03/03/05	3974.72	53.02	53.61	0.59	3921.61
MW - 6	03/09/05	3974.72	53.02	53.64	0.62	3921.61
MW - 6	03/22/05	3974.72	53.57	54.20	0.63	3921.06
MW - 6	03/24/05	3974.72	53.57	54.20	0.63	3921.06
MW - 6	03/31/05	3974.72	53.60	54.20	0.60	3921.03
MW - 6	06/22/05	3974.72	52.91	53.92	1.01	3921.66
MW - 6	07/21/05	3974.72	52.80	53.80	1.00	3921.77
MW - 6	08/03/05	3974.72	52.82	53.70	0.88	3921.77
MW - 6	08/12/05	3974.72	52.87	53.62	0.75	3921.74
MW - 6	08/15/05	3974.72	52.91	53.30	0.39	3921.75
MW - 6	08/22/05	3974.72	52.70	53.69	0.99	3921.87
MW - 6	09/07/05	3974.72	52.67	54.31	1.64	3921.80
MW - 6	09/14/05	3974.72	52.78	53.31	0.53	3921.86
MW - 6	09/20/05	3974.72	52.75	53.91	1.16	3921.80
MW - 6	09/21/05	3974.72	52.76	53.54	0.78	3921.84
MW - 6	09/28/05	3974.72	52.70	54.00	1.30	3921.83
MW - 6	10/06/05	3974.72	52.80	53.66	0.86	3921.79
MW - 6	10/13/05	3974.72	52.80	53.51	0.71	3921.81
MW - 6	10/20/05	3974.72	52.84	53.81	0.97	3921.73
MW - 6	10/26/05	3974.72	52.83	53.42	0.59	3921.80
MW - 6	11/03/05	3974.72	52.73	53.70	0.97	3921.84
MW - 6	11/10/05	3974.72	52.68	53.99	1.31	3921.84
MW - 6	11/16/05	3974.72	52.79	53.50	0.71	3921.82
MW - 6	11/23/05	3974.72	52.80	53.45	0.65	3921.82
MW - 6	11/28/05	3974.72	52.69	53.76	1.07	3921.87
MW - 6	12/05/05	3974.72	52.80	53.53	0.73	3921.81
MW - 6	12/12/05	3974.72	52.76	53.56	0.80	3921.84
MW - 6	12/16/05	3974.72	52.97	53.56	0.59	3921.66
MW - 6	12/19/05	3974.72	52.81	53.48	0.67	3921.81
MW - 6	12/29/05	3974.72	52.79	53.53	0.74	3921.82
MW - 6	01/04/06	3974.72	52.81	53.50	0.69	3921.81
MW - 6	01/10/06	3974.72	52.72	53.50	0.78	3921.88
MW - 6	01/17/06	3974.72	52.69	53.81	1.12	3921.86
MW - 6	01/26/06	3974.72	52.68	53.83	1.15	3921.87
MW - 6	01/31/06	3974.72	52.70	53.73	1.03	3921.87
MW - 6	02/07/06	3974.72	52.73	53.60	0.87	3921.86
MW - 6	02/09/06	3974.72	52.87	53.13	0.26	3921.81
MW - 6	02/13/06	3974.72	52.73	53.51	0.78	3921.87
MW - 6	02/22/06	3974.72	52.76	53.29	0.53	3921.88
MW - 6	02/28/06	3974.72	52.75	53.28	0.53	3921.89

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	03/07/06	3974.72	52.79	53.25	0.46	3921.86
MW - 6	03/15/06	3974.72	52.72	53.37	0.65	3921.90
MW - 6	03/20/06	3974.72	52.71	53.30	0.59	3921.92
MW - 6	03/22/06	3974.72	52.94	52.95	0.01	3921.78
MW - 6	03/29/06	3974.72	52.78	52.99	0.21	3921.91
MW - 6	04/11/06	3974.72	52.72	53.17	0.45	3921.93
MW - 6	04/18/06	3974.72	52.72	53.15	0.43	3921.94
MW - 6	04/25/06	3974.72	52.79	52.93	0.14	3921.91
MW - 6	05/02/06	3974.72	52.74	53.10	0.36	3921.93
MW - 6	05/09/06	3974.72	52.72	53.03	0.31	3921.95
MW - 6	05/16/06	3974.72	52.72	53.20	0.48	3921.93
MW - 6	05/23/06	3974.72	52.74	53.15	0.41	3921.92
MW - 6	05/31/06	3974.72	52.71	53.13	0.42	3921.95
MW - 6	06/06/06	3974.72	52.71	53.10	0.39	3921.95
MW - 6	06/13/06	3974.72	52.70	53.11	0.41	3921.96
MW - 6	06/20/06	3974.72	52.71	53.13	0.42	3921.95
MW - 6	06/21/06	3974.72	52.75	53.07	0.32	3921.92
MW - 6	07/06/06	3974.72	52.68	53.31	0.63	3921.95
MW - 6	07/12/06	3974.72	52.66	53.46	0.80	3921.94
MW - 6	07/20/06	3974.72	52.65	53.27	0.62	3921.98
MW - 6	07/25/06	3974.72	52.65	53.40	0.75	3921.96
MW - 6	08/01/06	3974.72	52.68	53.34	0.66	3921.94
MW - 6	08/16/06	3974.72	52.65	53.54	0.89	3921.94
MW - 6	08/23/06	3974.72	52.67	53.42	0.75	3921.94
MW - 6	08/28/06	3974.72	52.73	53.23	0.50	3921.92
MW - 6	09/12/06	3974.72	52.25	53.52	1.27	3922.28
MW - 6	09/22/06	3974.72	53.15	54.00	0.85	3921.44
MW - 6	09/27/06	3974.72	52.67	53.18	0.51	3921.97
MW - 6	10/06/06	3974.72	52.61	53.54	0.93	3921.97
MW - 6	10/10/06	3974.72	52.70	53.20	0.50	3921.95
MW - 6	10/16/06	3974.72	52.69	53.21	0.52	3921.95
MW - 6	10/26/06	3974.72	52.65	53.40	0.75	3921.96
MW - 6	11/03/06	3974.72	52.64	53.30	0.66	3921.98
MW - 6	11/09/06	3974.72	52.65	53.25	0.60	3921.98
MW - 6	11/16/06	3974.72	52.68	53.21	0.53	3921.96
MW - 6	11/22/06	3974.72	52.67	53.17	0.50	3921.98
MW - 6	12/04/06	3974.72	52.63	53.39	0.76	3921.98
MW - 6	12/08/06	3974.72	52.59	53.49	0.90	3922.00
MW - 6	12/15/06	3974.72	52.64	53.23	0.59	3921.99
MW - 6	01/05/07	3974.72	52.53	53.63	1.10	3922.03
MW - 6	01/12/07	3974.72	52.63	53.23	0.60	3922.00
MW - 6	01/18/07	3974.72	52.66	53.19	0.53	3921.98
MW - 6	01/24/07	3974.72	52.65	53.17	0.52	3921.99

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	01/29/07	3974.72	52.65	53.14	0.49	3922.00
MW - 6	02/09/07	3974.72	52.61	53.28	0.67	3922.01
MW - 6	02/16/07	3974.72	52.62	53.24	0.62	3922.01
MW - 6	02/23/07	3974.72	52.60	53.13	0.53	3922.04
MW - 6	03/02/07	3974.72	52.57	53.40	0.83	3922.03
MW - 6	03/14/07	3974.72	52.60	53.16	0.56	3922.04
MW - 6	03/26/07	3974.72	52.57	53.33	0.76	3922.04
MW - 6	04/03/07	3974.72	52.55	53.42	0.87	3922.04
MW - 6	04/09/07	3974.72	52.60	53.21	0.61	3922.03
MW - 6	04/26/07	3974.72	52.51	53.52	1.01	3922.06
MW - 6	04/30/07	3974.72	52.61	54.03	1.42	3921.90
MW - 6	05/11/07	3974.72	52.55	53.26	0.71	3922.06
MW - 6	05/16/07	3974.72	52.62	53.00	0.38	3922.04
MW - 6	05/22/07	3974.72	52.60	53.09	0.49	3922.05
MW - 6	05/29/07	3974.72	52.57	53.14	0.57	3922.06
MW - 6	06/01/07	3974.72	52.56	53.26	0.70	3922.06
MW - 6	06/08/07	3974.72	52.56	53.11	0.55	3922.08
MW - 6	06/11/07	3974.72	52.57	52.95	0.38	3922.09
MW - 6	06/20/07	3974.72	52.55	53.20	0.65	3922.07
MW - 6	07/10/07	3974.72	52.51	53.31	0.80	3922.09
MW - 6	07/11/07	3974.72	52.14	53.50	1.36	3922.38
MW - 6	07/25/07	3974.72	52.52	53.25	0.73	3922.09
MW - 6	08/01/07	3974.72	52.54	53.14	0.60	3922.09
MW - 6	08/10/07	3974.72	52.54	53.14	0.60	3922.09
MW - 6	08/15/07	3974.72	52.56	53.00	0.44	3922.09
MW - 6	08/30/07	3974.72	52.49	53.32	0.83	3922.11
MW - 6	08/31/07	3974.72	52.49	53.22	0.73	3922.12
MW - 6	09/10/07	3974.72	52.45	53.60	1.15	3922.10
MW - 6	09/19/07	3974.72	52.43	53.60	1.17	3922.11
MW - 6	10/01/07	3974.72	52.53	53.29	0.76	3922.08
MW - 6	10/19/07	3974.72	52.45	53.60	1.15	3922.10
MW - 6	11/12/07	3974.72	52.41	53.50	1.09	3922.15
MW - 6	03/07/08	3974.72	52.36	53.65	1.29	3922.17
MW - 6	3/12/08 #1	3974.72	52.36	53.65	1.29	3922.17
MW - 6	3/12/08#2	3974.72	52.50	52.67	0.17	3922.19
MW - 6	3/20/2008 #1	3974.72	52.45	53.09	0.64	3922.17
MW - 6	3/20/08#2	3974.72	52.42	53.12	0.70	3922.20
MW - 6	3/23/08 #1	3974.72	52.43	53.02	0.59	3922.20
MW - 6	3/23/08 #2	3974.72	52.51	52.61	0.10	3922.20
MW - 6	4/2/08 #1	3974.72	52.50	52.98	0.48	3922.15
MW - 6	4/2/08 #2	3974.72	52.49	52.72	0.23	3922.20
MW - 6	4/9/08 #1	3974.72	52.41	52.95	0.54	3922.23
MW - 6	4/9/08 #2	3974.72	52.48	52.65	0.17	3922.21

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/16/08	3974.72	52.42	52.97	0.55	3922.22
MW - 6	04/23/08	3974.72	52.44	52.91	0.47	3922.21
MW - 6	04/30/08	3974.72	52.42	52.93	0.51	3922.22
MW - 6	05/29/08	3974.72	52.39	52.96	0.57	3922.24
MW - 6	06/02/08	3974.72	52.42	52.82	0.40	3922.24
MW - 6	06/03/08	3974.72	52.42	52.82	0.40	3922.24
MW - 6	06/11/08	3974.72	52.40	52.99	0.59	3922.23
MW - 6	06/18/08	3974.72	52.43	52.89	0.46	3922.22
MW - 6	06/23/08	3974.72	52.42	52.79	0.37	3922.24
MW - 6	07/01/08	3974.72	52.41	52.97	0.56	3922.23
MW - 6	07/09/08	3974.72	52.42	52.95	0.53	3922.22
MW - 6	07/15/08	3974.72	52.42	52.85	0.43	3922.24
MW - 6	07/22/08	3974.72	52.38	53.00	0.62	3922.25
MW - 6	08/02/08	3974.72	52.36	53.10	0.74	3922.25
MW - 6	08/13/08	3974.72	52.36	53.18	0.82	3922.24
MW - 6	09/03/08	3974.72	52.29	53.47	1.18	3922.25
MW - 6	09/11/08	3974.72	52.41	52.91	0.50	3922.24
MW - 6	09/19/08	3974.72	52.40	52.89	0.49	3922.25
MW - 6	09/26/08	3974.72	52.38	52.92	0.54	3922.26
MW - 6	10/10/08	3974.72	52.39	52.91	0.52	3922.25
MW - 6	10/17/08	3974.72	52.41	52.81	0.40	3922.25
MW - 6	10/21/08	3974.72	52.42	52.74	0.32	3922.25
MW - 6	10/30/08	3974.72	52.38	52.90	0.52	3922.26
MW - 6	11/04/08	3974.72	52.42	52.78	0.36	3922.25
MW - 6	11/18/08	3974.72	52.37	53.05	0.68	3922.25
MW - 6	11/25/08	3974.72	52.40	52.87	0.47	3922.25
MW - 6	11/25/08	3974.72	-	52.80	0.00	3921.92
MW - 6	12/10/08	3974.72	52.33	53.09	0.76	3922.28
MW - 6	12/18/08	3974.72	52.31	53.19	0.88	3922.28
MW - 6	01/06/09	3974.72	52.32	53.17	0.85	3922.27
MW - 6	01/14/09	3974.72	52.41	52.97	0.56	3922.23
MW - 6	01/21/09	3974.72	52.41	52.79	0.38	3922.25
MW - 6	01/22/09	3974.72	52.38	52.73	0.35	3922.29
MW - 6	01/30/09	3974.72	52.38	52.82	0.44	3922.27
MW - 6	02/03/09	3974.72	52.40	52.71	0.31	3922.27
MW - 6	02/12/09	3974.72	52.39	52.90	0.51	3922.25
MW - 6	02/19/09	3974.72	52.39	52.94	0.55	3922.25
MW - 6	03/04/09	3974.72	52.42	52.96	0.54	3922.22
MW - 6	03/06/09	3974.72	52.31	53.03	0.72	3922.30
MW - 6	03/11/09	3974.72	52.37	52.82	0.45	3922.28
MW - 6	03/16/09	3974.72	52.45	53.00	0.55	3922.19
MW - 6	03/19/09	3974.72	52.37	52.79	0.42	3922.29
MW - 6	03/24/09	3974.72	52.29	52.81	0.52	3922.35

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/03/09	3974.72	52.31	53.01	0.70	3922.31
MW - 6	04/15/09	3974.72	52.28	53.12	0.84	3922.31
MW - 6	04/17/09	3974.72	52.39	52.63	0.24	3922.29
MW - 6	04/22/09	3974.72	52.31	53.00	0.69	3922.31
MW - 6	04/29/09	3974.72	52.34	52.82	0.48	3922.31
MW - 6	05/20/09	3974.72	52.32	52.95	0.63	3922.31
MW - 6	05/20/09	3974.72	52.32	52.95	0.63	3922.31
MW - 6	06/09/09	3974.72	52.29	52.95	0.66	3922.33
MW - 6	06/17/09	3974.72	52.35	52.80	0.45	3922.30
MW - 6	06/23/09	3974.72	52.32	53.00	0.68	3922.30
MW - 6	07/01/09	3974.72	52.33	52.82	0.49	3922.32
MW - 6	07/08/09	3974.72	52.38	52.67	0.29	3922.30
MW - 6	07/15/09	3974.72	52.35	52.68	0.33	3922.32
MW - 6	07/17/09	3974.72	52.39	52.65	0.26	3922.29
MW - 6	07/23/09	3974.72	52.38	52.65	0.27	3922.30
MW - 6	07/24/09	3974.72	52.40	52.50	0.10	3922.31
MW - 6	07/30/09	3974.72	52.36	52.61	0.25	3922.32
MW - 6	08/04/09	3974.72	52.38	52.62	0.24	3922.30
MW - 6	08/12/09	3974.72	52.35	52.73	0.38	3922.31
MW - 6	08/20/09	3974.72	52.30	52.83	0.53	3922.34
MW - 6	08/26/09	3974.72	52.31	52.96	0.65	3922.31
MW - 6	09/02/09	3974.72	52.35	52.72	0.37	3922.31
MW - 6	09/09/09	3974.72	52.36	52.64	0.28	3922.32
MW - 6	09/14/09	3974.72	52.37	52.63	0.26	3922.31
MW - 6	09/21/09	3974.72	52.36	52.69	0.33	3922.31
MW - 6	10/01/09	3974.72	52.38	52.75	0.37	3922.28
MW - 6	10/08/09	3974.72	52.38	52.75	0.37	3922.28
MW - 6	10/14/09	3974.72	52.38	52.67	0.29	3922.30
MW - 6	10/21/09	3974.72	52.31	52.88	0.57	3922.32
MW - 6	10/28/09	3974.72	52.34	52.67	0.33	3922.33
MW - 6	11/04/09	3974.72	52.36	52.62	0.26	3922.32
MW - 6	11/11/09	3974.72	52.32	52.60	0.28	3922.36
MW - 6	11/18/09	3974.72	52.35	52.65	0.30	3922.33
MW - 6	11/25/09	3974.72	52.36	52.68	0.32	3922.31
MW - 6	12/02/09	3974.72	52.36	52.65	0.29	3922.32
MW - 6	12/10/09	3974.72	52.35	52.66	0.31	3922.32
MW - 6	12/17/09	3974.72	52.41	52.68	0.27	3922.27
MW - 6	12/21/09	3974.72	52.36	52.54	0.18	3922.33
MW - 6	12/30/09	3974.72	52.40	52.79	0.39	3922.26
MW - 6	01/07/10	3974.72	52.35	52.55	0.20	3922.34
MW - 6	01/18/10	3974.72	52.40	52.52	0.12	3922.30
MW - 6	02/02/10	3974.72	52.29	52.86	0.57	3922.34
MW - 6	02/11/10	3974.72	52.30	52.61	0.31	3922.37

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/18/10	3974.72	52.30	52.68	0.38	3922.36
MW - 6	02/25/10	3974.72	52.41	52.61	0.20	3922.28
MW - 6	03/02/10	3974.72	52.43	52.58	0.15	3922.27
MW - 6	03/04/10	3974.72	52.46	52.56	0.10	3922.25
MW - 6	03/10/10	3974.72	52.37	52.53	0.16	3922.33
MW - 6	03/12/10	3974.72	52.43	52.56	0.13	3922.27
MW - 6	03/15/10	3974.72	52.36	52.50	0.14	3922.34
MW - 6	03/18/10	3974.72	52.35	52.46	0.11	3922.35
MW - 6	03/22/10	3974.72	52.41	52.54	0.13	3922.29
MW - 6	03/24/10	3974.72	sheen	52.54	0.00	3922.18
MW - 6	03/30/10	3974.72	sheen	52.55	0.00	3922.17
MW - 6	04/07/10	3974.72	sheen	52.53	0.00	3922.19
MW - 6	04/12/10	3974.72	sheen	52.41	0.00	3922.31
MW - 6	04/16/10	3974.72	sheen	52.89	0.00	3921.83
MW - 6	04/20/10	3974.72	sheen	53.00	0.00	3921.72
MW - 6	04/27/10	3974.72	sheen	52.84	0.00	3921.88
MW - 6	04/30/10	3974.72	sheen	52.82	0.00	3921.90
MW - 6	05/12/10	3974.72	sheen	52.74	0.00	3921.98
MW - 6	05/14/10	3974.72	sheen	52.84	0.00	3921.88
MW - 6	05/17/10	3974.72	sheen	52.96	0.00	3921.76
MW - 6	05/20/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	05/25/10	3974.72	sheen	52.57	0.00	3922.15
MW - 6	06/01/10	3974.72	sheen	52.28	0.00	3922.44
MW - 6	06/09/10	3974.72	sheen	52.60	0.00	3922.12
MW - 6	06/16/10	3974.72	sheen	52.56	0.00	3922.16
MW - 6	06/28/10	3974.72	sheen	52.63	0.00	3922.09
MW - 6	07/09/10	3974.72	sheen	52.54	0.00	3922.18
MW - 6	07/14/10	3974.72	sheen	52.36	0.00	3922.36
MW - 6	07/23/10	3974.72	sheen	52.42	0.00	3922.30
MW - 6	07/29/10	3974.72	sheen	52.43	0.00	3922.29
MW - 6	08/05/10	3974.72	sheen	52.40	0.00	3922.32
MW - 6	08/12/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/16/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	08/18/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	08/25/10	3974.72	sheen	52.42	0.00	3922.30
MW - 6	09/02/10	3974.72	sheen	52.29	0.00	3922.43
MW - 6	09/08/10	3974.72	sheen	52.46	0.00	3922.26
MW - 6	09/30/10	3974.72	sheen	52.37	0.00	3922.35
MW - 6	10/07/10	3974.72	sheen	52.45	0.00	3922.27
MW - 6	10/14/10	3974.72	sheen	52.75	0.00	3921.97
MW - 6	10/21/10	3974.72	sheen	52.73	0.00	3921.99
MW - 6	11/04/10	3974.72	sheen	52.35	0.00	3922.37
MW - 6	11/10/10	3974.72	sheen	52.73	0.00	3921.99

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/01/10	3974.72	sheen	52.41	0.00	3922.31
MW - 6	12/08/10	3974.72	sheen	52.44	0.00	3922.28
MW - 6	01/26/11	3974.72	sheen	52.45	0.00	3922.27
MW - 6	02/28/11	3974.72	-	52.72	0.00	3922.00
MW - 6	03/04/11	3974.72	52.41	52.45	0.04	3922.30
MW - 6	03/09/11	3974.72	52.52	52.58	0.06	3922.19
MW - 6	04/28/11	3974.72	52.38	52.47	0.09	3922.33
MW - 6	05/04/11	3974.72	52.35	52.40	0.05	3922.36
MW - 6	05/11/11	3974.72	52.46	52.49	0.03	3922.26
MW - 6	05/12/11	3974.72	-	52.44	0.00	3922.28
MW - 6	05/18/11	3974.72	-	52.35	0.00	3922.37
MW - 6	05/23/11	3974.72	52.29	52.49	0.20	3922.40
MW - 6	06/08/11	3974.72	-	52.51	0.00	3922.21
MW - 6	06/16/11	3974.72	52.30	52.41	0.11	3922.40
MW - 6	06/22/11	3974.72	52.32	52.41	0.09	3922.39
MW - 6	06/30/11	3974.72	52.40	52.64	0.24	3922.28
MW - 6	07/06/11	3974.72	-	52.37	0.00	3922.35
MW - 6	07/13/11	3974.72	-	52.40	0.00	3922.32
MW - 6	07/15/11	3974.72	-	52.46	0.00	3922.26
MW - 6	07/19/11	3974.72	-	52.46	0.00	3922.26
MW - 6	07/21/11	3974.72	-	52.38	0.00	3922.34
MW - 6	07/26/11	3974.72	-	52.43	0.00	3922.29
MW - 6	07/28/11	3974.72	-	52.42	0.00	3922.30
MW - 6	08/02/11	3974.72	-	52.64	0.00	3922.08
MW - 6	08/09/11	3974.72	-	52.48	0.00	3922.24
MW - 6	08/12/11	3974.72	-	52.60	0.00	3922.12
MW - 6	08/15/11	3974.72	-	52.60	0.00	3922.12
MW - 6	08/16/11	3974.72	-	52.42	0.00	3922.30
MW - 6	08/19/11	3974.72	-	52.50	0.00	3922.22
MW - 6	08/23/11	3974.72	-	52.55	0.00	3922.17
MW - 6	08/26/11	3974.72	-	52.57	0.00	3922.15
MW - 6	08/30/11	3974.72	-	52.38	0.00	3922.34
MW - 6	09/01/11	3974.72	-	52.42	0.00	3922.30
MW - 6	09/08/11	3974.72	-	52.64	0.00	3922.08
MW - 6	09/13/11	3974.72	-	52.54	0.00	3922.18
MW - 6	09/15/11	3974.72	-	52.60	0.00	3922.12
MW - 6	09/22/11	3974.72	-	52.46	0.00	3922.26
MW - 6	10/06/11	3974.72	-	52.46	0.00	3922.26
MW - 6	10/11/11	3974.72	-	52.45	0.00	3922.27
MW - 6	10/13/11	3974.72	52.60	52.64	0.04	3922.11
MW - 6	10/26/11	3974.72	52.41	52.64	0.23	3922.28
MW - 6	11/22/11	3974.72	-	52.57	0.00	3922.15
MW - 6	12/02/11	3974.72	-	52.41	0.00	3922.31

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/29/11	3974.72	-	52.35	0.00	3922.37
MW - 6	01/26/12	3974.72	-	52.57	0.00	3922.15
MW - 6	01/31/12	3974.72	-	52.44	0.00	3922.28
MW - 6	02/15/12	3974.72	-	52.38	0.00	3922.34
MW - 6	02/28/12	3974.72	-	52.37	0.00	3922.35
MW - 6	03/20/12	3974.72	52.43	52.59	0.16	3922.27
MW - 6	03/27/12	3974.72	52.44	52.61	0.17	3922.25
MW - 6	04/10/12	3974.72	52.45	52.70	0.25	3922.23
MW - 6	04/19/12	3974.72	52.44	52.67	0.23	3922.25
MW - 6	04/26/12	3974.72	52.32	52.46	0.14	3922.38
MW - 6	05/08/12	3974.72	52.33	52.47	0.14	3922.37
MW - 6	05/15/12	3974.72	52.31	52.63	0.32	3922.36
MW - 6	05/17/12	3974.72	52.30	52.62	0.32	3922.37
MW - 6	06/05/12	3974.72	52.33	52.78	0.45	3922.32
MW - 6	06/21/12	3974.72	52.33	52.89	0.56	3922.31
MW - 6	06/28/12	3974.72	52.32	52.94	0.62	3922.31
MW - 6	07/17/12	3974.72	52.31	52.97	0.66	3922.31
MW - 6	08/01/12	3974.72	52.42	52.73	0.31	3922.25
MW - 6	10/02/12	3974.72	52.41	53.29	0.88	3922.18
MW - 6	10/09/12	3974.72	52.58	52.88	0.30	3922.10
MW - 6	10/16/12	3974.72	52.47	52.83	0.36	3922.20
MW - 6	10/25/12	3974.72	52.46	52.90	0.44	3922.19
MW - 6	10/30/12	3974.72	52.46	52.95	0.49	3922.19
MW - 6	11/29/12	3974.72	52.54	53.10	0.56	3922.10
MW - 6	12/14/12	3974.72	52.48	53.09	0.61	3922.15
MW - 6	02/11/13	3974.72	52.41	53.08	0.67	3922.21
MW - 6	03/18/13	3974.72	52.52	52.74	0.22	3922.17
MW - 6	04/11/13	3974.72	52.89	52.90	0.01	3921.83
MW - 6	05/06/13	3974.72	52.53	52.60	0.07	3922.18
MW - 6	05/29/13	3974.72	52.89	52.91	0.02	3921.83
MW - 6	06/26/13	3974.72	-	52.90	0.00	3921.82
MW - 6	07/31/13	3974.72	-	52.76	0.00	3921.96
MW - 6	08/06/13	3974.72	52.72	52.73	0.01	3922.00
MW - 6	09/30/13	3974.72	52.78	52.79	0.01	3921.94
MW - 6	11/18/13	3974.72	52.66	52.71	0.05	3922.05
MW - 6	02/04/14	3974.72	52.62	52.72	0.10	3922.09
MW - 6	04/28/14	3974.72	52.66	52.74	0.08	3922.05
MW - 6	05/28/14	3974.72	52.83	52.85	0.02	3921.89
MW - 6	07/30/14	3974.72	52.84	52.96	0.12	3921.86
MW - 6	08/23/14	3974.72	52.97	53.04	0.07	3921.74
MW - 6	09/10/14	3974.72	52.85	53.00	0.15	3921.85
MW - 6	09/23/14	3974.72	52.90	52.98	0.08	3921.81
MW - 6	10/31/14	3974.72	52.79	52.87	0.08	3921.92

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	11/18/14	3974.72	52.81	52.85	0.04	3921.90
MW - 6	01/05/15	3974.72	52.78	53.04	0.26	3921.90
MW - 6	01/09/15	3974.72	52.74	52.80	0.06	3921.97
MW - 6	01/14/15	3974.72	52.75	52.81	0.06	3921.96
MW - 6	01/21/15	3974.72	52.77	53.06	0.29	3921.91
MW - 6	02/19/15	3974.72	-	52.85	0.00	3921.87
MW - 6	03/09/15	3974.72	52.78	53.06	0.28	3921.90
MW - 6	03/11/15	3974.72	52.75	52.83	0.08	3921.96
MW - 6	03/31/15	3974.72	52.79	53.10	0.31	3921.88
MW - 6	04/09/15	3974.72	-	52.75	0.00	3921.97
MW - 6	04/15/15	3974.72	-	52.75	0.00	3921.97
MW - 6	04/22/15	3974.72	-	52.76	0.00	3921.96
MW - 6	05/12/15	3974.72	52.72	52.76	0.04	3921.99
MW - 6	05/26/15	3974.72	52.78	52.97	0.19	3921.91
MW - 6	06/01/15	3974.72	52.74	52.78	0.04	3921.97
MW - 6	06/04/15	3974.72	52.75	52.84	0.09	3921.96
MW - 6	07/27/15	3974.72	-	53.26	0.00	3921.46
MW - 6	08/18/15	3974.72	-	52.75	0.00	3921.97
MW - 6	10/08/15	3974.72	-	53.34	0.00	3921.38
MW - 6	10/21/15	3974.72	-	52.83	0.00	3921.89
MW - 6	11/23/15	3974.72	-	52.80	0.00	3921.92
MW - 6	01/12/16	3974.72	-	52.85	0.00	3921.87
MW - 6	02/11/16	3974.72	-	52.81	0.00	3921.91
MW - 6	02/24/16	3974.72	-	52.80	0.00	3921.92
MW - 6	06/13/16	3974.72	-	52.82	0.00	3921.90
MW - 6	08/02/16	3974.72	52.89	52.90	0.01	3921.83
MW - 6	11/28/16	3974.72	-	52.87	0.00	3921.85
MW - 6	02/21/17	3974.72	-	52.93	0.00	3921.79
MW - 6	05/24/17	3974.72	52.82	52.91	0.09	3921.89
MW - 6	07/12/17	3974.72	-	52.91	0.00	3921.81
MW - 6	08/11/17	3974.72	52.80	52.84	0.04	3921.91
MW - 6	10/18/17	3974.72	52.94	53.09	0.15	3921.76
MW - 6	11/28/17	3974.72	52.93	53.11	0.18	3921.76
MW - 6	12/19/17	3974.72	52.96	53.07	0.11	3921.74
MW - 6	01/16/18	3974.72	52.94	53.08	0.14	3921.76
MW - 6	02/26/18	3974.72	52.91	53.06	0.15	3921.79
MW - 6	04/03/18	3974.72	52.91	52.98	0.07	3921.80
MW - 6	04/17/18	3974.72	52.91	52.98	0.07	3921.80
MW - 6	05/07/18	3974.72	52.95	53.10	0.15	3921.75
MW - 6	06/26/18	3974.72	52.98	53.14	0.16	3921.72
MW - 6	07/12/18	3974.72	52.97	53.20	0.23	3921.72
MW - 6	08/01/18	3974.72	53.01	53.24	0.23	3921.68
MW - 6	08/09/18	3974.72	52.93	53.21	0.28	3921.75

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	08/23/18	3974.72	52.99	53.29	0.30	3921.69
MW - 6	08/30/18	3974.72	53.01	53.31	0.30	3921.67
MW - 6	08/31/18	3974.72	52.98	53.30	0.32	3921.69
MW - 6	09/11/18	3974.72	53.02	53.11	0.09	3921.69
MW - 6	09/13/18	3974.72	53.01	53.07	0.06	3921.70
MW - 6	09/19/18	3974.72	53.03	53.10	0.07	3921.68
MW - 6	09/26/18	3974.72	53.01	53.06	0.05	3921.70
MW - 6	10/04/18	3974.72	53.02	53.06	0.04	3921.69
MW - 6	11/14/18	3974.72	53.04	53.06	0.02	3921.68
MW - 6	12/18/18	3974.72	53.02	53.06	0.04	3921.69
MW - 6	02/18/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	05/14/19	3974.72	53.02	53.04	0.02	3921.70
MW - 6	08/19/19	3974.72	53.24	53.27	0.03	3921.48
MW - 6	01/08/20	3974.72	53.18	53.22	0.04	3921.53
MW - 6	02/18/20	3974.72	53.20	53.25	0.05	3921.51
MW - 6	05/05/20	3974.72	53.18	53.28	0.10	3921.53
MW - 6	06/11/20	3974.72	53.20	53.27	0.07	3921.51
MW - 6	09/23/20	3974.72	53.30	53.36	0.06	3921.41
MW - 6	12/04/20	3974.72	53.32	53.38	0.06	3921.39
MW - 7	03/02/00	3974.60	-	53.17	0.00	3921.43
MW - 7	04/25/00	3974.60	-	53.23	0.00	3921.37
MW - 7	09/06/00	3974.60	-	53.28	0.00	3921.32
MW - 7	11/28/00	3974.60	-	53.28	0.00	3921.32
MW - 7	02/21/01	3974.60	-	53.18	0.00	3921.42
MW - 7	05/31/01	3974.60	-	53.15	0.00	3921.45
MW - 7	08/23/01	3974.60	-	53.14	0.00	3921.46
MW - 7	11/21/01	3974.60	-	53.19	0.00	3921.41
MW - 7	02/13/02	3974.60	-	53.22	0.00	3921.38
MW - 7	06/12/02	3974.60	-	53.18	0.00	3921.42
MW - 7	08/26/02	3974.60	-	53.19	0.00	3921.41
MW - 7	11/21/02	3974.60	-	53.23	0.00	3921.37
MW - 7	02/05/03	3974.60	-	53.20	0.00	3921.40
MW - 7	05/07/03	3974.60	-	53.18	0.00	3921.42
MW - 7	08/18/03	3974.60	-	53.21	0.00	3921.39
MW - 7	12/01/03	3974.60	-	53.24	0.00	3921.36
MW - 7	02/05/04	3974.60	-	53.27	0.00	3921.33
MW - 7	05/05/04	3974.60	-	53.22	0.00	3921.38
MW - 7	09/01/04	3974.60	-	53.30	0.00	3921.30
MW - 7	12/15/04	3974.60	-	53.25	0.00	3921.35
MW - 7	03/22/05	3974.60	-	53.03	0.00	3921.57
MW - 7	06/22/05	3974.60	-	52.95	0.00	3921.65
MW - 7	09/21/05	3974.60	-	52.87	0.00	3921.73

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	12/16/05	3974.60	-	52.80	0.00	3921.80
MW - 7	03/20/06	3974.60	-	52.73	0.00	3921.87
MW - 7	06/21/06	3974.60	-	52.69	0.00	3921.91
MW - 7	09/27/06	3974.60	-	52.67	0.00	3921.93
MW - 7	12/04/06	3974.60	-	52.68	0.00	3921.92
MW - 7	03/14/07	3974.60	-	52.64	0.00	3921.96
MW - 7	05/29/07	3974.60	-	52.61	0.00	3921.99
MW - 7	08/30/07	3974.60	-	52.58	0.00	3922.02
MW - 7	11/12/07	3974.60	-	52.54	0.00	3922.06
MW - 7	03/07/08	3974.60	-	52.49	0.00	3922.11
MW - 7	06/02/08	3974.60	-	52.43	0.00	3922.17
MW - 7	09/03/08	3974.60	-	52.44	0.00	3922.16
MW - 7	12/08/08	3974.60	-	52.41	0.00	3922.19
MW - 7	02/19/09	3974.60	-	52.41	0.00	3922.19
MW - 7	05/20/09	3974.60	-	52.35	0.00	3922.25
MW - 7	08/12/09	3974.60	-	52.34	0.00	3922.26
MW - 7	11/25/09	3974.60	-	52.34	0.00	3922.26
MW - 7	01/07/10	3974.60	-	52.33	0.00	3922.27
MW - 7	02/11/10	3974.60	-	52.31	0.00	3922.29
MW - 7	05/17/10	3974.60	-	52.39	0.00	3922.21
MW - 7	08/16/10	3974.60	-	52.40	0.00	3922.20
MW - 7	11/10/10	3974.60	-	52.39	0.00	3922.21
MW - 7	02/28/11	3974.60	-	53.42	0.00	3921.18
MW - 7	05/12/11	3974.60	-	52.31	0.00	3922.29
MW - 7	08/15/11	3974.60	-	52.42	0.00	3922.18
MW - 7	11/22/11	3974.60	-	52.37	0.00	3922.23
MW - 7	02/28/12	3974.60	-	52.35	0.00	3922.25
MW - 7	05/17/12	3974.60	-	52.28	0.00	3922.32
MW - 7	08/01/12	3974.60	-	52.39	0.00	3922.21
MW - 7	10/25/12	3974.60	-	52.47	0.00	3922.13
MW - 7	11/29/12	3974.60	-	52.56	0.00	3922.04
MW - 7	02/11/13	3974.60	-	52.44	0.00	3922.16
MW - 7	04/11/13	3974.60	-	52.76	0.00	3921.84
MW - 7	05/06/13	3974.60	-	52.46	0.00	3922.14
MW - 7	05/29/13	3974.60	-	52.71	0.00	3921.89
MW - 7	06/26/13	3974.60	-	52.68	0.00	3921.92
MW - 7	07/31/13	3974.60	-	52.62	0.00	3921.98
MW - 7	08/06/13	3974.60	-	52.62	0.00	3921.98
MW - 7	09/30/13	3974.60	-	52.65	0.00	3921.95
MW - 7	11/19/13	3974.60	-	52.65	0.00	3921.95
MW - 7	12/08/13	3974.60	-	52.60	0.00	3922.00
MW - 7	02/04/14	3974.60	-	52.61	0.00	3921.99
MW - 7	04/28/14	3974.60	-	52.61	0.00	3921.99

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	05/28/14	3974.60	-	52.74	0.00	3921.86
MW - 7	07/30/14	3974.60	-	52.70	0.00	3921.90
MW - 7	08/23/14	3974.60	-	52.76	0.00	3921.84
MW - 7	10/31/14	3974.60	-	52.75	0.00	3921.85
MW - 7	11/18/14	3974.60	-	52.71	0.00	3921.89
MW - 7	01/09/15	3974.60	-	52.68	0.00	3921.92
MW - 7	02/19/15	3974.60	-	52.71	0.00	3921.89
MW - 7	03/09/15	3974.60	-	52.78	0.00	3921.82
MW - 7	04/09/15	3974.60	-	52.64	0.00	3921.96
MW - 7	05/12/15	3974.60	-	52.64	0.00	3921.96
MW - 7	07/27/15	3974.60	-	52.78	0.00	3921.82
MW - 7	08/18/15	3974.60	-	52.66	0.00	3921.94
MW - 7	10/08/15	3974.60	-	52.88	0.00	3921.72
MW - 7	11/23/15	3974.60	-	52.70	0.00	3921.90
MW - 7	01/12/16	3974.60	-	52.74	0.00	3921.86
MW - 7	02/24/16	3974.60	-	52.74	0.00	3921.86
MW - 7	06/13/16	3974.60	-	52.72	0.00	3921.88
MW - 7	08/02/16	3974.60	-	52.86	0.00	3921.74
MW - 7	11/28/16	3974.60	-	52.80	0.00	3921.80
MW - 7	02/21/17	3974.60	-	52.77	0.00	3921.83
MW - 7	05/24/17	3974.60	-	52.73	0.00	3921.87
MW - 7	07/12/17	3974.60	-	52.85	0.00	3921.75
MW - 7	08/11/17	3974.60	-	52.80	0.00	3921.80
MW - 7	10/18/17	3974.60	-	52.92	0.00	3921.68
MW - 7	11/28/17	3974.60	-	52.89	0.00	3921.71
MW - 7	01/16/18	3974.60	-	52.89	0.00	3921.71
MW - 7	02/26/18	3974.60	-	52.84	0.00	3921.76
MW - 7	04/03/18	3974.60	-	52.47	0.00	3922.13
MW - 7	04/17/18	3974.60	-	52.86	0.00	3921.74
MW - 7	05/07/18	3974.60	-	52.91	0.00	3921.69
MW - 7	06/26/18	3974.60	-	52.92	0.00	3921.68
MW - 7	08/09/18	3974.60	-	52.93	0.00	3921.67
MW - 7	09/11/18	3974.60	-	52.94	0.00	3921.66
MW - 7	11/14/18	3974.60	-	53.03	0.00	3921.57
MW - 7	12/18/18	3974.60	-	52.97	0.00	3921.63
MW - 7	02/18/19	3974.60	-	52.99	0.00	3921.61
MW - 7	05/14/19	3974.60	-	52.95	0.00	3921.65
MW - 7	08/19/19	3974.60	-	53.16	0.00	3921.44
MW - 7	11/11/19	3974.60	-	53.12	0.00	3921.48
MW - 7	02/18/20	3974.60	-	53.08	0.00	3921.52
MW - 7	05/05/20	3974.60	-	53.12	0.00	3921.48
MW - 7	06/11/20	3974.60	-	53.14	0.00	3921.46
MW - 7	09/23/20	3974.60	-	53.26	0.00	3921.34

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	12/04/20	3974.60	-	53.27	0.00	3921.33
MW - 7	12/24/20	3974.60	-	53.26	0.00	3921.34
MW - 8	03/02/00	3974.48	-	52.89	0.00	3921.59
MW - 8	04/25/00	3974.48	-	52.96	0.00	3921.52
MW - 8	09/06/00	3974.48	-	53.00	0.00	3921.48
MW - 8	11/28/00	3974.48	-	53.00	0.00	3921.48
MW - 8	02/21/01	3974.48	-	52.90	0.00	3921.58
MW - 8	05/31/01	3974.48	-	52.85	0.00	3921.63
MW - 8	08/23/01	3974.48	-	52.87	0.00	3921.61
MW - 8	11/21/01	3974.48	-	52.92	0.00	3921.56
MW - 8	02/13/02	3974.48	-	52.96	0.00	3921.52
MW - 8	06/12/02	3974.48	-	52.93	0.00	3921.55
MW - 8	08/26/02	3974.48	-	52.92	0.00	3921.56
MW - 8	11/21/02	3974.48	-	52.98	0.00	3921.50
MW - 8	02/05/03	3974.48	-	52.90	0.00	3921.58
MW - 8	05/07/03	3974.48	-	52.89	0.00	3921.59
MW - 8	08/18/03	3974.48	-	52.96	0.00	3921.52
MW - 8	12/01/03	3974.48	-	53.00	0.00	3921.48
MW - 8	02/05/04	3974.48	-	52.99	0.00	3921.49
MW - 8	05/05/04	3974.48	-	52.98	0.00	3921.50
MW - 8	09/01/04	3974.48	-	53.05	0.00	3921.43
MW - 8	12/15/04	3974.48	-	53.00	0.00	3921.48
MW - 8	03/22/05	3974.48	-	52.80	0.00	3921.68
MW - 8	06/22/05	3974.48	-	52.68	0.00	3921.80
MW - 8	09/14/05	PLUGGED & ABANDONED				
MW - 9	03/02/00	3975.06	53.07	54.26	1.19	3921.81
MW - 9	04/25/00	3975.06	53.11	54.34	1.23	3921.77
MW - 9	09/06/00	3975.06	53.04	55.02	1.98	3921.72
MW - 9	11/28/00	3975.06	53.13	54.90	1.77	3921.66
MW - 9	02/02/01	3975.06	53.14	54.19	1.05	3921.76
MW - 9	05/31/01	3975.06	53.08	54.81	1.73	3921.72
MW - 9	08/23/01	3975.06	52.88	55.30	2.42	3921.82
MW - 9	11/21/01	3975.06	53.15	54.20	1.05	3921.75
MW - 9	02/13/02	3975.06	52.86	55.73	2.87	3921.77
MW - 9	06/12/02	3975.06	52.82	55.67	2.85	3921.81
MW - 9	08/26/02	3975.06	52.83	55.70	2.87	3921.80
MW - 9	11/08/02	3975.06	52.90	55.81	2.91	3921.72
MW - 9	11/21/02	3975.06	52.90	55.77	2.87	3921.73
MW - 9	12/27/02	3975.06	53.13	54.68	1.55	3921.70
MW - 9	01/06/03	3975.06	53.07	54.97	1.90	3921.71
MW - 9	01/08/03	3975.06	53.04	55.02	1.98	3921.72

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/10/03	3975.06	53.03	55.09	2.06	3921.72
MW - 9	01/13/03	3975.06	53.03	55.09	2.06	3921.72
MW - 9	02/05/03	3975.06	52.96	55.30	2.34	3921.75
MW - 9	02/26/03	3975.06	52.96	55.52	2.56	3921.72
MW - 9	03/04/03	3975.06	52.96	55.56	2.60	3921.71
MW - 9	03/12/03	3975.06	52.94	55.46	2.52	3921.74
MW - 9	03/18/03	3975.06	53.02	57.71	4.69	3921.34
MW - 9	03/25/03	3975.06	53.37	53.40	0.03	3921.69
MW - 9	03/31/03	3975.06	53.36	53.39	0.03	3921.70
MW - 9	04/09/03	3975.06	53.31	53.72	0.41	3921.69
MW - 9	04/14/03	3975.06	53.28	53.40	0.12	3921.76
MW - 9	05/07/03	3975.06	53.07	54.49	1.42	3921.78
MW - 9	05/08/03	3975.06	53.04	54.59	1.55	3921.79
MW - 9	05/13/03	3975.06	53.18	54.84	1.66	3921.63
MW - 9	05/21/03	3975.06	53.08	54.97	1.89	3921.70
MW - 9	05/27/03	3975.06	53.07	55.10	2.03	3921.69
MW - 9	05/28/03	3975.06	53.11	55.35	2.24	3921.61
MW - 9	06/03/03	3975.06	53.34	54.20	0.86	3921.59
MW - 9	06/10/03	3975.06	53.40	53.46	0.06	3921.65
MW - 9	07/01/03	3975.06	53.48	53.97	0.49	3921.51
MW - 9	07/08/03	3975.06	53.38	53.94	0.56	3921.60
MW - 9	07/29/03	3975.06	53.12	54.49	1.37	3921.73
MW - 9	08/04/03	3975.06	53.32	54.96	1.64	3921.49
MW - 9	08/18/03	3975.06	53.31	54.09	0.78	3921.63
MW - 9	08/25/03	3975.06	53.29	55.42	2.13	3921.45
MW - 9	10/01/03	3975.06	53.18	53.41	0.23	3921.85
MW - 9	10/06/03	3975.06	53.30	53.86	0.56	3921.68
MW - 9	10/08/03	3975.06	53.60	54.33	0.73	3921.35
MW - 9	10/15/03	3975.06	53.64	54.02	0.38	3921.36
MW - 9	11/12/03	3975.06	53.61	54.98	1.37	3921.24
MW - 9	11/19/03	3975.06	53.51	55.20	1.69	3921.30
MW - 9	12/01/03	3975.06	53.54	55.31	1.77	3921.25
MW - 9	12/10/03	3975.06	53.21	54.93	1.72	3921.59
MW - 9	02/05/04	3975.06	53.60	55.27	1.67	3921.21
MW - 9	02/17/04	3975.06	53.33	54.62	1.29	3921.54
MW - 9	02/25/04	3975.06	53.62	55.29	1.67	3921.19
MW - 9	03/09/04	3975.06	53.41	55.55	2.14	3921.33
MW - 9	03/16/04	3975.06	53.28	55.11	1.83	3921.51
MW - 9	03/22/04	3975.06	53.41	53.89	0.48	3921.58
MW - 9	04/07/04	3975.06	53.73	53.81	0.08	3921.32
MW - 9	04/12/04	3975.06	53.55	53.96	0.41	3921.45
MW - 9	04/19/04	3975.06	53.69	53.86	0.17	3921.34
MW - 9	05/05/04	3975.06	53.50	54.22	0.72	3921.45

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	05/11/04	3975.06	53.60	54.98	1.38	3921.25
MW - 9	06/07/04	3975.06	53.10	54.64	1.54	3921.73
MW - 9	06/15/04	3975.06	53.11	54.69	1.58	3921.71
MW - 9	06/20/04	3975.06	53.11	54.69	1.58	3921.71
MW - 9	06/21/04	3975.06	53.08	54.57	1.49	3921.76
MW - 9	06/28/04	3975.06	53.08	54.86	1.78	3921.71
MW - 9	07/08/04	3975.06	53.09	54.79	1.70	3921.72
MW - 9	07/12/04	3975.06	53.10	54.81	1.71	3921.70
MW - 9	08/12/04	3975.06	53.26	54.66	1.40	3921.59
MW - 9	08/17/04	3975.06	53.27	54.85	1.58	3921.55
MW - 9	08/26/04	3975.06	53.38	54.30	0.92	3921.54
MW - 9	09/01/04	3975.06	53.44	54.08	0.64	3921.52
MW - 9	09/03/04	3975.06	53.44	53.99	0.55	3921.54
MW - 9	09/08/04	3975.06	53.38	54.40	1.02	3921.53
MW - 9	09/14/04	3975.06	53.44	54.13	0.69	3921.52
MW - 9	09/22/04	3975.06	53.51	54.20	0.69	3921.45
MW - 9	10/01/04	3975.06	53.36	54.50	1.14	3921.53
MW - 9	10/08/04	3975.06	53.53	54.11	0.58	3921.44
MW - 9	10/15/04	3975.06	53.35	54.36	1.01	3921.56
MW - 9	10/22/04	3975.06	53.50	54.19	0.69	3921.46
MW - 9	11/12/04	3975.06	53.62	54.40	0.78	3921.32
MW - 9	11/26/04	3975.06	53.45	54.50	1.05	3921.45
MW - 9	12/02/04	3975.06	53.43	54.39	0.96	3921.49
MW - 9	12/06/04	3975.06	53.42	54.10	0.68	3921.54
MW - 9	12/13/04	3975.06	53.43	54.00	0.57	3921.54
MW - 9	12/15/04	3975.06	53.43	54.00	0.57	3921.54
MW - 9	12/27/04	3975.06	53.40	54.30	0.90	3921.53
MW - 9	01/10/05	3975.06	53.34	53.81	0.47	3921.65
MW - 9	01/18/05	3975.06	53.30	53.90	0.60	3921.67
MW - 9	01/25/05	3975.06	53.25	54.05	0.80	3921.69
MW - 9	01/27/05	3975.06	53.33	53.51	0.18	3921.70
MW - 9	02/01/05	3975.06	53.22	53.66	0.44	3921.77
MW - 9	02/07/05	3975.06	53.19	53.60	0.41	3921.81
MW - 9	02/11/05	3975.06	53.20	53.59	0.39	3921.80
MW - 9	02/15/05	3975.06	53.05	53.55	0.50	3921.94
MW - 9	02/22/05	3975.06	53.20	53.59	0.39	3921.80
MW - 9	02/24/05	3975.06	53.05	53.70	0.65	3921.91
MW - 9	03/03/05	3975.06	53.13	53.78	0.65	3921.83
MW - 9	03/09/05	3975.06	53.13	53.78	0.65	3921.83
MW - 9	03/22/05	3975.06	52.90	53.85	0.95	3922.02
MW - 9	03/24/05	3975.06	52.90	53.85	0.95	3922.02
MW - 9	03/31/05	3975.06	52.92	53.76	0.84	3922.01
MW - 9	06/22/05	3975.06	53.82	54.18	0.36	3921.19

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	07/21/05	3975.06	52.94	53.55	0.61	3922.03
MW - 9	08/03/05	3975.06	52.87	53.86	0.99	3922.04
MW - 9	08/12/05	3975.06	52.92	53.63	0.71	3922.03
MW - 9	08/15/05	3975.06	52.92	53.48	0.56	3922.06
MW - 9	08/22/05	3975.06	52.87	53.64	0.77	3922.07
MW - 9	08/30/05	3975.06	52.80	53.97	1.17	3922.08
MW - 9	09/07/05	3975.06	52.83	53.74	0.91	3922.09
MW - 9	09/14/05	3975.06	52.85	53.40	0.55	3922.13
MW - 9	09/20/05	3975.06	52.80	53.90	1.10	3922.10
MW - 9	09/21/05	3975.06	52.86	53.62	0.76	3922.09
MW - 9	09/28/05	3975.06	52.78	54.02	1.24	3922.09
MW - 9	10/06/05	3975.06	52.83	53.70	0.87	3922.10
MW - 9	10/13/05	3975.06	52.86	53.64	0.78	3922.08
MW - 9	10/20/05	3975.06	52.81	53.50	0.69	3922.15
MW - 9	10/26/05	3975.06	52.87	53.60	0.73	3922.08
MW - 9	11/03/05	3975.06	52.77	53.88	1.11	3922.12
MW - 9	11/10/05	3975.06	52.76	53.83	1.07	3922.14
MW - 9	11/16/05	3975.06	52.84	53.59	0.75	3922.11
MW - 9	11/23/05	3975.06	52.90	53.51	0.61	3922.07
MW - 9	11/28/05	3975.06	52.75	53.80	1.05	3922.15
MW - 9	12/05/05	3975.06	52.85	53.48	0.63	3922.12
MW - 9	12/12/05	3975.06	52.84	53.50	0.66	3922.12
MW - 9	12/16/05	3975.06	53.00	53.41	0.41	3922.00
MW - 9	12/19/05	3975.06	52.89	53.51	0.62	3922.08
MW - 9	12/29/05	3975.06	52.73	53.55	0.82	3922.21
MW - 9	01/04/06	3975.06	52.76	53.51	0.75	3922.19
MW - 9	01/10/06	3975.06	52.68	53.51	0.83	3922.26
MW - 9	01/17/06	3975.06	52.77	53.85	1.08	3922.13
MW - 9	01/26/06	3975.06	52.75	53.80	1.05	3922.15
MW - 9	01/31/06	3975.06	52.79	53.75	0.96	3922.13
MW - 9	02/07/06	3975.06	52.79	53.70	0.91	3922.13
MW - 9	02/09/06	3975.06	52.90	53.10	0.20	3922.13
MW - 9	02/13/06	3975.06	52.76	53.58	0.82	3922.18
MW - 9	02/22/06	3975.06	52.79	53.60	0.81	3922.15
MW - 9	02/28/06	3975.06	52.77	53.60	0.83	3922.17
MW - 9	03/07/06	3975.06	52.76	53.58	0.82	3922.18
MW - 9	03/15/06	3975.06	52.75	53.60	0.85	3922.18
MW - 9	03/20/06	3975.06	52.75	53.52	0.77	3922.19
MW - 9	03/22/06	3975.06	52.96	52.98	0.02	3922.10
MW - 9	03/29/06	3975.06	52.80	53.21	0.41	3922.20
MW - 9	04/11/06	3975.06	52.74	53.42	0.68	3922.22
MW - 9	04/18/06	3975.06	52.75	53.41	0.66	3922.21
MW - 9	04/25/06	3975.06	52.83	53.07	0.24	3922.19

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	05/02/06	3975.06	52.74	53.34	0.60	3922.23
MW - 9	05/09/06	3975.06	52.73	53.34	0.61	3922.24
MW - 9	05/16/06	3975.06	52.74	53.43	0.69	3922.22
MW - 9	05/23/06	3975.06	52.71	53.48	0.77	3922.23
MW - 9	05/31/06	3975.06	52.71	53.54	0.83	3922.23
MW - 9	06/06/06	3975.06	52.73	53.88	1.15	3922.16
MW - 9	06/13/06	3975.06	52.72	53.38	0.66	3922.24
MW - 9	06/20/06	3975.06	52.72	53.38	0.66	3922.24
MW - 9	06/21/06	3975.06	52.79	53.07	0.28	3922.23
MW - 9	07/06/06	3975.06	52.69	53.52	0.83	3922.25
MW - 9	07/12/06	3975.06	52.66	53.66	1.00	3922.25
MW - 9	07/20/06	3975.06	52.63	53.61	0.98	3922.28
MW - 9	07/25/06	3975.06	52.75	53.70	0.95	3922.17
MW - 9	08/01/06	3975.06	52.70	53.49	0.79	3922.24
MW - 9	08/16/06	3975.06	52.68	53.69	1.01	3922.23
MW - 9	08/23/06	3975.06	52.70	53.47	0.77	3922.24
MW - 9	08/28/06	3975.06	52.72	53.36	0.64	3922.24
MW - 9	09/12/06	3975.06	52.67	53.65	0.98	3922.24
MW - 9	09/22/06	3975.06	52.65	53.60	0.95	3922.27
MW - 9	09/27/06	3975.06	52.70	53.38	0.68	3922.26
MW - 9	10/06/06	3975.06	52.64	53.64	1.00	3922.27
MW - 9	10/10/06	3975.06	52.71	53.30	0.59	3922.26
MW - 9	10/16/06	3975.06	52.74	53.39	0.65	3922.22
MW - 9	10/26/06	3975.06	52.68	53.49	0.81	3922.26
MW - 9	11/03/06	3975.06	52.69	53.39	0.70	3922.27
MW - 9	11/09/06	3975.06	52.70	53.35	0.65	3922.26
MW - 9	11/16/06	3975.06	52.70	53.35	0.65	3922.26
MW - 9	11/22/06	3975.06	52.71	53.29	0.58	3922.26
MW - 9	12/04/06	3975.06	52.66	53.45	0.79	3922.28
MW - 9	12/08/06	3975.06	52.65	53.55	0.90	3922.28
MW - 9	12/15/06	3975.06	52.67	53.32	0.65	3922.29
MW - 9	01/05/07	3975.06	52.61	53.62	1.01	3922.30
MW - 9	01/12/07	3975.06	52.66	53.37	0.71	3922.29
MW - 9	01/18/07	3975.06	52.68	53.30	0.62	3922.29
MW - 9	01/24/07	3975.06	52.69	53.28	0.59	3922.28
MW - 9	01/29/07	3975.06	52.67	53.20	0.53	3922.31
MW - 9	02/09/07	3975.06	52.63	53.36	0.73	3922.32
MW - 9	02/16/07	3975.06	52.65	53.34	0.69	3922.31
MW - 9	02/23/07	3975.06	52.63	53.29	0.66	3922.33
MW - 9	03/02/07	3975.06	52.62	53.45	0.83	3922.32
MW - 9	03/14/07	3975.06	52.66	53.09	0.43	3922.34
MW - 9	03/26/07	3975.06	52.63	53.26	0.63	3922.34
MW - 9	04/03/07	3975.06	52.60	53.38	0.78	3922.34

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	04/09/07	3975.06	52.61	53.27	0.66	3922.35
MW - 9	04/26/07	3975.06	52.58	53.44	0.86	3922.35
MW - 9	04/30/07	3975.06	52.22	53.26	1.04	3922.68
MW - 9	05/11/07	3975.06	52.59	53.65	1.06	3922.31
MW - 9	05/16/07	3975.06	52.64	53.11	0.47	3922.35
MW - 9	05/22/07	3975.06	52.64	53.14	0.50	3922.35
MW - 9	05/29/07	3975.06	52.61	53.16	0.55	3922.37
MW - 9	06/01/07	3975.06	52.59	53.23	0.64	3922.37
MW - 9	06/08/07	3975.06	52.61	53.20	0.59	3922.36
MW - 9	06/11/07	3975.06	52.65	53.01	0.36	3922.36
MW - 9	06/20/07	3975.06	52.60	53.23	0.63	3922.37
MW - 9	07/10/07	3975.06	52.56	53.35	0.79	3922.38
MW - 9	07/20/07	3975.06	52.56	53.33	0.77	3922.38
MW - 9	07/25/07	3975.06	52.69	53.16	0.47	3922.30
MW - 9	08/01/07	3975.06	52.58	53.14	0.56	3922.40
MW - 9	08/10/07	3975.06	52.29	53.16	0.87	3922.64
MW - 9	08/15/07	3975.06	52.60	53.05	0.45	3922.39
MW - 9	08/30/07	3975.06	52.56	53.26	0.70	3922.40
MW - 9	08/31/07	3975.06	52.56	53.26	0.70	3922.40
MW - 9	09/10/07	3975.06	52.53	53.34	0.81	3922.41
MW - 9	09/19/07	3975.06	52.53	53.30	0.77	3922.41
MW - 9	09/27/07	3975.06	52.55	53.15	0.60	3922.42
MW - 9	10/01/07	3975.06	52.58	52.99	0.41	3922.42
MW - 9	10/19/07	3975.06	52.50	53.35	0.85	3922.43
MW - 9	10/26/07	3975.06	52.53	53.15	0.62	3922.44
MW - 9	11/12/07	3975.06	52.73	53.16	0.43	3922.27
MW - 9	11/16/07	3975.06	52.62	52.83	0.21	3922.41
MW - 9	11/29/07	3975.06	52.66	53.01	0.35	3922.35
MW - 9	12/13/07	3975.06	52.51	53.20	0.69	3922.45
MW - 9	01/10/08	3975.06	52.49	53.18	0.69	3922.47
MW - 9	01/17/08	3975.06	52.50	53.13	0.63	3922.47
MW - 9	01/22/08	3975.06	52.49	53.12	0.63	3922.48
MW - 9	2/6/2008 #1	3975.06	52.53	52.97	0.44	3922.46
MW - 9	02/06/08 #2	3975.06	52.50	52.66	0.16	3922.54
MW - 9	2/12/08 #1	3975.06	52.54	52.90	0.36	3922.47
MW - 9	2/12/08 #2	3975.06	52.60	52.63	0.03	3922.46
MW - 9	2/20/08 #1	3975.06	52.52	52.93	0.41	3922.48
MW - 9	2/20/08 #2	3975.06	52.58	52.68	0.10	3922.47
MW - 9	2/27/08 #1	3975.06	52.52	52.91	0.39	3922.48
MW - 9	2/27/08 #2	3975.06	52.57	52.66	0.09	3922.48
MW - 9	03/07/08	3975.06	52.52	53.00	0.48	3922.47
MW - 9	3/12/08 #1	3975.06	52.52	53.00	0.48	3922.47
MW - 9	3/12/08 #2	3975.06	52.56	52.66	0.10	3922.49

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	3/20/08 #1	3975.06	52.50	52.92	0.42	3922.50
MW - 9	3/20/08#2	3975.06	52.54	52.70	0.16	3922.50
MW - 9	3/23/08 #1	3975.06	52.49	52.89	0.40	3922.51
MW - 9	3/23/08 #2	3975.06	52.55	52.63	0.08	3922.50
MW - 9	4/2/08 #1	3975.06	52.51	52.86	0.35	3922.50
MW - 9	4/2/08 #2	3975.06	52.54	52.68	0.14	3922.50
MW - 9	4/9/08 #1	3975.06	52.48	52.87	0.39	3922.52
MW - 9	4/9/08 #2	3975.06	52.53	52.72	0.19	3922.50
MW - 9	04/16/08	3975.06	52.48	52.89	0.41	3922.52
MW - 9	04/23/08	3975.06	52.49	52.86	0.37	3922.51
MW - 9	04/30/08	3975.06	52.47	52.90	0.43	3922.53
MW - 9	05/29/08	3975.06	52.48	52.85	0.37	3922.52
MW - 9	06/02/08	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/03/08	3975.06	52.48	52.77	0.29	3922.54
MW - 9	06/11/08	3975.06	52.47	52.87	0.40	3922.53
MW - 9	06/18/08	3975.06	52.47	52.89	0.42	3922.53
MW - 9	06/23/08	3975.06	52.49	52.78	0.29	3922.53
MW - 9	07/01/08	3975.06	52.48	52.86	0.38	3922.52
MW - 9	07/09/08	3975.06	52.59	52.86	0.27	3922.43
MW - 9	07/15/08	3975.06	52.48	52.80	0.32	3922.53
MW - 9	07/22/08	3975.06	52.47	52.85	0.38	3922.53
MW - 9	08/02/08	3975.06	52.46	52.90	0.44	3922.53
MW - 9	08/13/08	3975.06	52.45	52.88	0.43	3922.55
MW - 9	09/03/08	3975.06	52.42	52.98	0.56	3922.56
MW - 9	09/11/08	3975.06	52.46	52.85	0.39	3922.54
MW - 9	09/19/08	3975.06	52.44	52.82	0.38	3922.56
MW - 9	09/26/08	3975.06	52.46	52.81	0.35	3922.55
MW - 9	10/10/08	3975.06	52.44	52.81	0.37	3922.56
MW - 9	10/17/08	3975.06	52.47	52.78	0.31	3922.54
MW - 9	10/21/08	3975.06	52.46	52.70	0.24	3922.56
MW - 9	10/30/08	3975.06	52.45	52.78	0.33	3922.56
MW - 9	11/04/08	3975.06	52.46	52.75	0.29	3922.56
MW - 9	11/18/08	3975.06	52.46	52.84	0.38	3922.54
MW - 9	11/25/08	3975.06	52.46	52.76	0.30	3922.56
MW - 9	12/10/08	3975.06	52.42	52.84	0.42	3922.58
MW - 9	12/18/08	3975.06	52.43	52.80	0.37	3922.57
MW - 9	01/06/09	3975.06	52.43	52.89	0.46	3922.56
MW - 9	01/14/09	3975.06	52.45	52.89	0.44	3922.54
MW - 9	01/21/09	3975.06	47.11	47.60	0.49	3927.88
MW - 9	01/22/09	3975.06	52.42	52.75	0.33	3922.59
MW - 9	01/30/09	3975.06	52.43	52.76	0.33	3922.58
MW - 9	02/03/09	3975.06	52.44	52.69	0.25	3922.58
MW - 9	02/12/09	3975.06	52.43	52.79	0.36	3922.58

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	02/19/09	3975.06	52.44	52.82	0.38	3922.56
MW - 9	03/04/09	3975.06	52.49	52.89	0.40	3922.51
MW - 9	03/06/09	3975.06	52.40	52.84	0.44	3922.59
MW - 9	03/11/09	3975.06	52.44	52.78	0.34	3922.57
MW - 9	03/16/09	3975.06	52.53	52.92	0.39	3922.47
MW - 9	03/19/09	3975.06	52.43	52.74	0.31	3922.58
MW - 9	03/24/09	3975.06	52.39	52.74	0.35	3922.62
MW - 9	04/03/09	3975.06	52.73	52.82	0.09	3922.32
MW - 9	04/15/09	3975.06	52.40	52.75	0.35	3922.61
MW - 9	04/17/09	3975.06	52.43	52.61	0.18	3922.60
MW - 9	04/22/09	3975.06	52.38	52.81	0.43	3922.62
MW - 9	04/29/09	3975.06	52.39	52.74	0.35	3922.62
MW - 9	05/20/09	3975.06	52.39	52.76	0.37	3922.61
MW - 9	05/20/09	3975.06	52.39	52.76	0.37	3922.61
MW - 9	06/09/09	3975.06	52.38	52.78	0.40	3922.62
MW - 9	06/17/09	3975.06	52.40	52.22	-0.18	3922.69
MW - 9	06/23/09	3975.06	52.36	52.83	0.47	3922.63
MW - 9	07/01/09	3975.06	52.39	52.25	-0.14	3922.69
MW - 9	07/08/09	3975.06	52.40	52.68	0.28	3922.62
MW - 9	07/15/09	3975.06	52.38	52.66	0.28	3922.64
MW - 9	07/17/09	3975.06	52.41	52.63	0.22	3922.62
MW - 9	07/23/09	3975.06	52.41	52.66	0.25	3922.61
MW - 9	07/24/09	3975.06	52.46	52.56	0.10	3922.59
MW - 9	07/30/09	3975.06	52.41	52.65	0.24	3922.61
MW - 9	08/04/09	3975.06	52.04	52.62	0.58	3922.93
MW - 9	08/12/09	3975.06	52.40	52.69	0.29	3922.62
MW - 9	08/20/09	3975.06	52.38	52.74	0.36	3922.63
MW - 9	08/26/09	3975.06	52.31	52.83	0.52	3922.67
MW - 9	09/02/09	3975.06	52.40	52.69	0.29	3922.62
MW - 9	09/09/09	3975.06	52.39	52.72	0.33	3922.62
MW - 9	09/14/09	3975.06	52.40	52.65	0.25	3922.62
MW - 9	09/21/09	3975.06	52.39	52.69	0.30	3922.63
MW - 9	10/01/09	3975.06	52.41	52.72	0.31	3922.60
MW - 9	10/08/09	3975.06	52.43	52.76	0.33	3922.58
MW - 9	10/14/09	3975.06	52.39	52.68	0.29	3922.63
MW - 9	10/21/09	3975.06	52.37	52.73	0.36	3922.64
MW - 9	10/28/09	3975.06	52.38	52.67	0.29	3922.64
MW - 9	11/04/09	3975.06	52.39	52.64	0.25	3922.63
MW - 9	11/11/09	3975.06	52.38	52.63	0.25	3922.64
MW - 9	11/18/09	3975.06	52.38	52.65	0.27	3922.64
MW - 9	11/25/09	3975.06	52.39	52.64	0.25	3922.63
MW - 9	12/02/09	3975.06	52.39	52.68	0.29	3922.63
MW - 9	12/10/09	3975.06	52.39	52.65	0.26	3922.63

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	12/17/09	3975.06	52.45	52.63	0.18	3922.58
MW - 9	12/21/09	3975.06	52.41	52.65	0.24	3922.61
MW - 9	12/30/09	3975.06	52.45	52.73	0.28	3922.57
MW - 9	01/07/10	3975.06	52.39	52.61	0.22	3922.64
MW - 9	01/18/10	3975.06	52.36	52.69	0.33	3922.65
MW - 9	02/02/10	3975.06	52.36	52.70	0.34	3922.65
MW - 9	02/11/10	3975.06	52.35	52.62	0.27	3922.67
MW - 9	02/18/10	3975.06	52.34	52.66	0.32	3922.67
MW - 9	02/25/10	3975.06	52.44	52.70	0.26	3922.58
MW - 9	03/02/10	3975.06	52.45	52.68	0.23	3922.58
MW - 9	03/04/10	3975.06	52.34	52.58	0.24	3922.68
MW - 9	03/10/10	3975.06	52.36	52.60	0.24	3922.66
MW - 9	03/12/10	3975.06	52.48	52.64	0.16	3922.56
MW - 9	03/15/10	3975.06	52.38	52.58	0.20	3922.65
MW - 9	03/18/10	3975.06	52.37	52.56	0.19	3922.66
MW - 9	03/22/10	3975.06	52.43	52.64	0.21	3922.60
MW - 9	03/24/10	3975.06	52.47	52.60	0.13	3922.57
MW - 9	03/30/10	3975.06	52.44	52.64	0.20	3922.59
MW - 9	04/07/10	3975.06	52.45	52.71	0.26	3922.57
MW - 9	04/12/10	3975.06	52.34	52.52	0.18	3922.69
MW - 9	04/16/10	3975.06	52.51	52.69	0.18	3922.52
MW - 9	04/20/10	3975.06	52.41	52.53	0.12	3922.63
MW - 9	04/27/10	3975.06	52.41	52.50	0.09	3922.64
MW - 9	04/30/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	05/12/10	3975.06	52.27	52.33	0.06	3922.78
MW - 9	05/14/10	3975.06	52.41	52.51	0.10	3922.64
MW - 9	05/17/10	3975.06	52.38	52.42	0.04	3922.67
MW - 9	05/20/10	3975.06	52.29	52.32	0.03	3922.77
MW - 9	05/25/10	3975.06	52.27	52.34	0.07	3922.78
MW - 9	06/01/10	3975.06	52.28	52.33	0.05	3922.77
MW - 9	06/09/10	3975.06	52.30	52.34	0.04	3922.75
MW - 9	06/16/10	3975.06	52.40	52.50	0.10	3922.65
MW - 9	06/28/10	3975.06	52.39	52.49	0.10	3922.66
MW - 9	07/09/10	3975.06	52.42	52.50	0.08	3922.63
MW - 9	07/14/10	3975.06	52.34	52.50	0.16	3922.70
MW - 9	07/23/10	3975.06	52.35	52.51	0.16	3922.69
MW - 9	07/29/10	3975.06	52.35	52.52	0.17	3922.68
MW - 9	08/05/10	3975.06	52.35	52.60	0.25	3922.67
MW - 9	08/12/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/16/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/18/10	3975.06	52.35	52.54	0.19	3922.68
MW - 9	08/25/10	3975.06	52.41	52.63	0.22	3922.62
MW - 9	09/02/10	3975.06	52.35	52.51	0.16	3922.69

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	09/08/10	3975.06	52.37	52.52	0.15	3922.67
MW - 9	09/30/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	10/07/10	3975.06	52.36	52.52	0.16	3922.68
MW - 9	10/14/10	3975.06	52.37	52.54	0.17	3922.66
MW - 9	10/21/10	3975.06	52.39	52.52	0.13	3922.65
MW - 9	11/04/10	3975.06	52.35	52.53	0.18	3922.68
MW - 9	11/10/10	3975.06	52.41	52.49	0.08	3922.64
MW - 9	12/01/10	3975.06	52.31	52.56	0.25	3922.71
MW - 9	12/08/10	3975.06	52.39	52.54	0.15	3922.65
MW - 9	01/26/11	3975.06	52.31	52.64	0.33	3922.70
MW - 9	02/28/11	3975.06	52.40	52.53	0.13	3922.64
MW - 9	03/04/11	3975.06	52.28	52.54	0.26	3922.74
MW - 9	03/09/11	3975.06	52.32	52.54	0.22	3922.71
MW - 9	04/28/11	3975.06	52.27	52.51	0.24	3922.75
MW - 9	05/04/11	3975.06	52.21	52.51	0.30	3922.81
MW - 9	05/11/11	3975.06	52.34	52.54	0.20	3922.69
MW - 9	05/12/11	3975.06	52.25	52.48	0.23	3922.78
MW - 9	05/18/11	3975.06	52.23	52.41	0.18	3922.80
MW - 9	05/23/11	3975.06	52.20	52.48	0.28	3922.82
MW - 9	06/08/11	3975.06	52.41	52.73	0.32	3922.60
MW - 9	06/16/11	3975.06	52.32	52.62	0.30	3922.70
MW - 9	06/22/11	3975.06	52.21	52.54	0.33	3922.80
MW - 9	06/30/11	3975.06	52.39	52.65	0.26	3922.63
MW - 9	07/06/11	3975.06	52.34	52.52	0.18	3922.69
MW - 9	07/13/11	3975.06	52.36	52.59	0.23	3922.67
MW - 9	07/15/11	3975.06	52.35	52.58	0.23	3922.68
MW - 9	07/19/11	3975.06	52.34	52.54	0.20	3922.69
MW - 9	07/21/11	3975.06	52.33	52.43	0.10	3922.72
MW - 9	07/26/11	3975.06	52.35	52.49	0.14	3922.69
MW - 9	07/28/11	3975.06	52.30	52.46	0.16	3922.74
MW - 9	08/02/11	3975.06	52.34	52.65	0.31	3922.67
MW - 9	08/09/11	3975.06	52.30	52.47	0.17	3922.73
MW - 9	08/12/11	3975.06	52.36	52.52	0.16	3922.68
MW - 9	08/15/11	3975.06	52.33	52.52	0.19	3922.70
MW - 9	08/16/11	3975.06	52.37	52.54	0.17	3922.66
MW - 9	08/19/11	3975.06	52.37	52.48	0.11	3922.67
MW - 9	08/23/11	3975.06	52.33	52.45	0.12	3922.71
MW - 9	08/26/11	3975.06	52.35	52.56	0.21	3922.68
MW - 9	08/30/11	3975.06	52.21	52.47	0.26	3922.81
MW - 9	09/01/11	3975.06	52.40	52.47	0.07	3922.65
MW - 9	09/08/11	3975.06	-	52.45	0.00	3922.61
MW - 9	09/13/11	3975.06	-	52.36	0.00	3922.70
MW - 9	09/15/11	3975.06	-	52.53	0.00	3922.53

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	09/22/11	3975.06	-	52.37	0.00	3922.69
MW - 9	10/06/11	3975.06	-	52.46	0.00	3922.60
MW - 9	10/11/11	3975.06	-	52.46	0.00	3922.60
MW - 9	10/13/11	3975.06	-	52.48	0.00	3922.58
MW - 9	10/26/11	3975.06	-	52.51	0.00	3922.55
MW - 9	11/22/11	3975.06	52.51	52.55	0.04	3922.54
MW - 9	12/02/11	3975.06	-	52.49	0.00	3922.57
MW - 9	12/29/11	3975.06	-	52.45	0.00	3922.61
MW - 9	01/26/12	3975.06	52.42	52.45	0.03	3922.64
MW - 9	01/31/12	3975.06	-	52.35	0.00	3922.71
MW - 9	02/15/12	3975.06	52.40	52.42	0.02	3922.66
MW - 9	02/28/12	3975.06	52.38	52.39	0.01	3922.68
MW - 9	03/20/12	3975.06	52.35	52.47	0.12	3922.69
MW - 9	03/27/12	3975.06	52.35	52.51	0.16	3922.69
MW - 9	04/10/12	3975.06	52.38	52.57	0.19	3922.65
MW - 9	04/19/12	3975.06	52.34	52.52	0.18	3922.69
MW - 9	04/26/12	3975.06	52.37	52.51	0.14	3922.67
MW - 9	05/08/12	3975.06	52.37	52.51	0.14	3922.67
MW - 9	05/15/12	3975.06	52.38	52.61	0.23	3922.65
MW - 9	05/17/12	3975.06	52.37	52.60	0.23	3922.66
MW - 9	06/05/12	3975.06	52.36	52.61	0.25	3922.66
MW - 9	06/21/12	3975.06	52.36	52.72	0.36	3922.65
MW - 9	06/28/12	3975.06	52.34	52.78	0.44	3922.65
MW - 9	07/17/12	3975.06	52.43	52.76	0.33	3922.58
MW - 9	08/01/12	3975.06	52.49	52.72	0.23	3922.54
MW - 9	10/02/12	3975.06	52.52	52.96	0.44	3922.47
MW - 9	10/09/12	3975.06	52.38	52.60	0.22	3922.65
MW - 9	10/16/12	3975.06	52.52	52.83	0.31	3922.49
MW - 9	10/25/12	3975.06	52.51	52.93	0.42	3922.49
MW - 9	10/30/12	3975.06	52.51	52.92	0.41	3922.49
MW - 9	11/29/12	3975.06	52.44	52.95	0.51	3922.54
MW - 9	12/14/12	3975.06	52.48	52.92	0.44	3922.51
MW - 9	02/11/13	3975.06	52.46	52.98	0.52	3922.52
MW - 9	04/11/13	3975.06	52.52	52.85	0.33	3922.49
MW - 9	04/15/13	3975.06	52.39	52.66	0.27	3922.63
MW - 9	04/22/13	3975.06	52.51	52.79	0.28	3922.51
MW - 9	05/06/13	3975.06	52.53	52.90	0.37	3922.47
MW - 9	05/09/13	3975.06	52.53	52.93	0.40	3922.47
MW - 9	05/20/13	3975.06	52.53	52.99	0.46	3922.46
MW - 9	05/24/13	3975.06	52.61	53.07	0.46	3922.38
MW - 9	05/29/13	3975.06	52.47	52.54	0.07	3922.58
MW - 9	05/31/13	3975.06	52.49	52.75	0.26	3922.53
MW - 9	06/07/13	3975.06	52.45	52.73	0.28	3922.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	06/12/13	3975.06	52.43	52.69	0.26	3922.59
MW - 9	06/14/13	3975.06	52.44	52.70	0.26	3922.58
MW - 9	06/19/13	3975.06	52.43	52.58	0.15	3922.61
MW - 9	06/21/13	3975.06	52.47	52.61	0.14	3922.57
MW - 9	06/25/13	3975.06	52.43	52.63	0.20	3922.60
MW - 9	06/26/13	3975.06	52.57	52.75	0.18	3922.46
MW - 9	07/03/13	3975.06	52.62	52.92	0.30	3922.40
MW - 9	07/09/13	3975.06	52.69	53.05	0.36	3922.32
MW - 9	07/11/13	3975.06	52.52	52.84	0.32	3922.49
MW - 9	07/24/13	3975.06	52.47	52.83	0.36	3922.54
MW - 9	07/26/13	3975.06	52.45	52.78	0.33	3922.56
MW - 9	07/31/13	3975.06	52.45	52.81	0.36	3922.56
MW - 9	08/02/13	3975.06	52.48	52.85	0.37	3922.52
MW - 9	08/06/13	3975.06	52.49	52.87	0.38	3922.51
MW - 9	08/14/13	3975.06	52.45	52.86	0.41	3922.55
MW - 9	08/21/13	3975.06	52.50	52.94	0.44	3922.49
MW - 9	08/26/13	3975.06	52.53	52.95	0.42	3922.47
MW - 9	09/06/13	3975.06	52.60	53.03	0.43	3922.40
MW - 9	08/30/13	3975.06	52.50	52.87	0.37	3922.50
MW - 9	09/13/13	3975.06	52.62	52.91	0.29	3922.40
MW - 9	09/27/13	3975.06	52.58	53.00	0.42	3922.42
MW - 9	09/30/13	3975.06	52.55	52.95	0.40	3922.45
MW - 9	10/02/13	3975.06	52.53	52.93	0.40	3922.47
MW - 9	10/03/13	3975.06	52.52	52.92	0.40	3922.48
MW - 9	10/11/13	3975.06	52.62	52.98	0.36	3922.39
MW - 9	10/17/13	3975.06	52.64	52.97	0.33	3922.37
MW - 9	10/22/13	3975.06	52.65	52.95	0.30	3922.37
MW - 9	10/24/13	3975.06	52.70	52.91	0.21	3922.33
MW - 9	10/30/13	3975.06	52.66	52.94	0.28	3922.36
MW - 9	11/01/13	3975.06	52.64	52.87	0.23	3922.39
MW - 9	11/04/13	3975.06	52.66	52.98	0.32	3922.35
MW - 9	11/08/13	3975.06	52.65	53.00	0.35	3922.36
MW - 9	11/13/13	3975.06	52.63	53.01	0.38	3922.37
MW - 9	11/15/13	3975.06	52.63	53.03	0.40	3922.37
MW - 9	11/18/13	*3975.06*	*52.65*	*53.15*	*0.50*	*3922.34*
MW - 9	12/12/13	3975.06	52.65	53.23	0.58	3922.32
MW - 9	12/16/13	3975.06	52.64	53.25	0.61	3922.33
MW - 9	12/18/13	3975.06	52.66	53.21	0.55	3922.32
MW - 9	12/23/13	3975.06	52.60	53.05	0.45	3922.39
MW - 9	12/30/13	3975.06	52.60	52.95	0.35	3922.41
MW - 9	01/09/15	3974.60	-	52.68	0.00	3921.92
MW - 9	01/06/14	3975.06	52.62	53.02	0.40	3922.38
MW - 9	01/15/14	3975.06	52.63	53.09	0.46	3922.36

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	01/17/14	3975.06	52.62	53.05	0.43	3922.38
MW - 9	01/20/14	3975.06	52.63	52.96	0.33	3922.38
MW - 9	01/22/14	3975.06	52.77	52.90	0.13	3922.27
MW - 9	01/29/14	3975.06	52.66	53.17	0.51	3922.32
MW - 9	02/04/14	3975.06	52.64	53.11	0.47	3922.35
MW - 9	02/13/14	3975.06	52.65	53.20	0.55	3922.33
MW - 9	02/21/14	3975.06	52.59	53.05	0.46	3922.40
MW - 9	02/26/14	3975.06	52.61	55.16	2.55	3922.07
MW - 9	03/12/14	3975.06	52.58	53.10	0.52	3922.40
MW - 9	03/14/14	3975.06	52.56	53.05	0.49	3922.43
MW - 9	03/17/14	3975.06	52.56	53.08	0.52	3922.42
MW - 9	03/24/14	3975.06	52.56	52.94	0.38	3922.44
MW - 9	03/26/14	3975.06	52.60	52.91	0.31	3922.41
MW - 9	04/09/14	3975.06	52.63	53.02	0.39	3922.37
MW - 9	04/18/14	3975.06	52.65	53.00	0.35	3922.36
MW - 9	04/21/14	3975.06	52.65	52.99	0.34	3922.36
MW - 9	04/28/14	3975.06	52.65	53.03	0.38	3922.35
MW - 9	05/09/14	3975.06	52.67	53.15	0.48	3922.32
MW - 9	05/12/14	3975.06	52.64	52.95	0.31	3922.37
MW - 9	05/19/14	3975.06	52.62	52.98	0.36	3922.39
MW - 9	05/28/14	3975.06	52.69	52.90	0.21	3922.34
MW - 9	06/04/14	3975.06	52.66	52.81	0.15	3922.38
MW - 9	06/13/14	3975.06	52.63	52.85	0.22	3922.40
MW - 9	06/16/14	3975.06	52.69	52.90	0.21	3922.34
MW - 9	07/02/14	3975.06	52.70	53.11	0.41	3922.30
MW - 9	07/07/14	3975.06	52.73	53.04	0.31	3922.28
MW - 9	07/18/14	3975.06	52.73	53.10	0.37	3922.27
MW - 9	07/30/14	3975.06	52.69	53.13	0.44	3922.30
MW - 9	08/11/14	3975.06	52.70	53.20	0.50	3922.29
MW - 9	08/22/14	3975.06	52.74	53.33	0.59	3922.23
MW - 9	08/23/14	3975.06	52.74	53.33	0.59	3922.23
MW - 9	09/10/14	3975.06	52.79	53.45	0.66	3922.17
MW - 9	09/23/14	3975.06	52.83	53.29	0.46	3922.16
MW - 9	09/25/14	3975.06	52.98	53.35	0.37	3922.02
MW - 9	10/03/14	3975.06	52.76	53.28	0.52	3922.22
MW - 9	10/15/14	3975.06	52.79	53.44	0.65	3922.17
MW - 9	10/17/14	3975.06	52.79	53.40	0.61	3922.18
MW - 9	10/24/14	3975.06	52.77	53.02	0.25	3922.25
MW - 9	10/27/14	3975.06	52.74	53.00	0.26	3922.28
MW - 9	10/31/14	3975.06	52.76	53.14	0.38	3922.24
MW - 9	11/03/14	3975.06	52.58	53.21	0.63	3922.39
MW - 9	11/10/14	3975.06	52.75	53.11	0.36	3922.26
MW - 9	11/14/14	3975.06	52.77	53.04	0.27	3922.25

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	11/17/14	3975.06	52.90	53.03	0.13	3922.14
MW - 9	11/18/14	3975.06	52.90	53.03	0.13	3922.14
MW - 9	11/21/14	3975.06	52.82	53.03	0.21	3922.21
MW - 9	12/03/14	3975.06	52.78	53.17	0.39	3922.22
MW - 9	12/05/14	3975.06	52.81	53.03	0.22	3922.22
MW - 9	12/12/14	3975.06	52.83	53.05	0.22	3922.20
MW - 9	12/15/14	3975.06	52.83	53.05	0.22	3922.20
MW - 9	12/19/14	3975.06	52.80	53.03	0.23	3922.23
MW - 9	12/22/14	3975.06	52.78	53.01	0.23	3922.25
MW - 9	01/05/15	3975.06	52.74	52.97	0.23	3922.29
MW - 9	01/09/15	3975.06	52.73	53.23	0.50	3922.26
MW - 9	01/14/15	3975.06	52.72	53.28	0.56	3922.26
MW - 9	01/21/15	3975.06	52.71	52.96	0.25	3922.31
MW - 9	02/18/15	3975.06	52.72	53.00	0.28	3922.30
MW - 9	02/19/15	3975.06	52.73	53.06	0.33	3922.28
MW - 9	03/09/15	3975.06	52.73	52.98	0.25	3922.29
MW - 9	03/11/15	3975.06	52.70	53.26	0.56	3922.28
MW - 9	03/18/15	3975.06	52.76	53.08	0.32	3922.25
MW - 9	03/31/15	3975.06	52.74	52.97	0.23	3922.29
MW - 9	04/09/15	3975.06	52.63	53.28	0.65	3922.33
MW - 9	04/15/15	3975.06	52.66	53.31	0.65	3922.30
MW - 9	04/22/15	3975.06	52.66	53.34	0.68	3922.30
MW - 9	05/12/15	3975.06	52.70	53.23	0.53	3922.28
MW - 9	05/26/15	3975.06	52.74	52.94	0.20	3922.29
MW - 9	06/01/15	3975.06	52.69	53.24	0.55	3922.29
MW - 9	06/04/15	3975.06	52.71	53.26	0.55	3922.27
MW - 9	06/22/15	3975.06	52.64	53.26	0.62	3922.33
MW - 9	06/26/15	3975.06	52.73	53.36	0.63	3922.24
MW - 9	07/22/15	3975.06	52.57	53.09	0.52	3922.41
MW - 9	07/27/15	3975.06	52.71	53.08	0.37	3922.29
MW - 9	08/18/15	3975.06	52.01	53.05	1.04	3922.89
MW - 9	09/09/15	3975.06	52.73	53.29	0.56	3922.25
MW - 9	10/08/15	3975.06	52.73	53.08	0.35	3922.28
MW - 9	09/30/15	3975.06	52.81	53.35	0.54	3922.17
MW - 9	10/16/15	3975.06	52.85	53.29	0.44	3922.14
MW - 9	10/21/15	3975.06	52.75	53.40	0.65	3922.21
MW - 9	11/18/15	3975.06	52.75	53.15	0.40	3922.25
MW - 9	11/23/15	3975.06	52.78	52.99	0.21	3922.25
MW - 9	12/04/15	3975.06	52.75	53.18	0.43	3922.25
MW - 9	12/09/15	3975.06	52.85	53.26	0.41	3922.15
MW - 9	01/12/16	3975.06	52.81	53.35	0.54	3922.17
MW - 9	01/22/16	3975.06	52.74	53.25	0.51	3922.24
MW - 9	01/25/16	3975.06	52.84	53.07	0.23	3922.19

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	02/12/16	3975.06	52.85	53.08	0.23	3922.18
MW - 9	02/17/16	3975.06	52.78	53.19	0.41	3922.22
MW - 9	02/24/16	3975.06	52.78	53.00	0.22	3922.25
MW - 9	03/09/16	3975.06	52.70	53.01	0.31	3922.31
MW - 9	03/30/16	3975.06	52.24	53.08	0.84	3922.69
MW - 9	04/13/16	3975.06	52.70	52.81	0.11	3922.34
MW - 9	04/27/16	3975.06	52.82	53.02	0.20	3922.21
MW - 9	05/11/16	3975.06	52.92	53.00	0.08	3922.13
MW - 9	06/03/16	3975.06	52.90	53.13	0.23	3922.13
MW - 9	07/01/16	3975.06	52.82	53.08	0.26	3922.20
MW - 9	07/08/16	3975.06	52.84	53.15	0.31	3922.17
MW - 9	07/12/16	3975.06	52.19	52.57	0.38	3922.81
MW - 9	07/18/16	3975.06	52.83	53.10	0.27	3922.19
MW - 9	08/02/16	3975.06	52.85	53.05	0.20	3922.18
MW - 9	08/12/16	3975.06	52.85	53.28	0.43	3922.15
MW - 9	08/17/16	3975.06	52.81	53.26	0.45	3922.18
MW - 9	09/21/16	3975.06	52.82	53.39	0.57	3922.15
MW - 9	10/21/16	3975.06	52.73	52.74	0.01	3922.33
MW - 9	10/24/16	3975.06	52.88	52.89	0.01	3922.18
MW - 9	10/26/16	3975.06	52.85	53.13	0.28	3922.17
MW - 9	10/31/16	3975.06	52.85	52.86	0.01	3922.21
MW - 9	11/21/16	3975.06	52.92	53.28	0.36	3922.09
MW - 9	11/28/16	3975.06	52.80	53.35	0.55	3922.18
MW - 9	12/07/16	3975.06	52.83	53.46	0.63	3922.14
MW - 9	12/14/16	3975.06	52.90	53.40	0.50	3922.09
MW - 9	12/21/16	3975.06	52.82	53.20	0.38	3922.18
MW - 9	01/04/17	3975.06	52.80	53.32	0.52	3922.18
MW - 9	01/12/17	3975.06	52.81	53.34	0.53	3922.17
MW - 9	01/26/17	3975.06	52.83	53.45	0.62	3922.14
MW - 9	02/07/17	3975.06	52.77	53.46	0.69	3922.19
MW - 9	02/21/17	3975.06	52.76	53.48	0.72	3922.19
MW - 9	02/23/17	3975.06	52.75	53.46	0.71	3922.20
MW - 9	03/08/17	3975.06	52.76	53.38	0.62	3922.21
MW - 9	04/07/17	3975.06	52.72	53.51	0.79	3922.22
MW - 9	04/18/17	3975.06	52.73	53.55	0.82	3922.21
MW - 9	05/10/17	3975.06	52.76	53.63	0.87	3922.17
MW - 9	05/24/17	3975.06	52.73	53.58	0.85	3922.20
MW - 9	06/02/17	3975.06	52.71	53.58	0.87	3922.22
MW - 9	07/12/17	3975.06	52.72	53.59	0.87	3922.21
MW - 9	07/19/17	3975.06	52.73	53.59	0.86	3922.20
MW - 9	07/27/17	3975.06	52.73	53.61	0.88	3922.20
MW - 9	08/11/17	3975.06	52.72	53.57	0.85	3922.21
MW - 9	08/24/17	3975.06	52.79	53.73	0.94	3922.13

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	09/05/17	3975.06	52.82	53.78	0.96	3922.10
MW - 9	10/18/17	3975.06	52.82	53.71	0.89	3922.11
MW - 9	10/25/17	3975.06	52.86	53.49	0.63	3922.11
MW - 9	11/01/17	3975.06	52.85	53.31	0.46	3922.14
MW - 9	11/08/17	3975.06	52.88	53.44	0.56	3922.10
MW - 9	11/28/17	3975.06	52.88	53.54	0.66	3922.08
MW - 9	12/19/17	3975.06	52.85	53.63	0.78	3922.09
MW - 9	01/16/18	3975.06	52.87	53.62	0.75	3922.08
MW - 9	01/30/18	3975.06	52.86	53.52	0.66	3922.10
MW - 9	02/06/18	3975.06	52.90	53.49	0.59	3922.07
MW - 9	02/13/18	3975.06	52.92	53.49	0.57	3922.05
MW - 9	02/26/18	3975.06	52.88	53.32	0.44	3922.11
MW - 9	04/03/18	3975.06	52.83	53.51	0.68	3922.13
MW - 9	04/17/18	3975.06	52.83	53.69	0.86	3922.10
MW - 9	05/07/18	3975.06	52.77	53.58	0.81	3922.17
MW - 9	06/21/18	3975.06	51.83	53.85	2.02	3922.93
MW - 9	06/26/18	3975.06	52.85	53.82	0.97	3922.06
MW - 9	07/12/18	3975.06	52.98	53.41	0.43	3922.02
MW - 9	07/17/18	3975.06	52.94	53.44	0.50	3922.05
MW - 9	08/01/18	3975.06	53.96	54.47	0.51	3921.02
MW - 9	08/09/18	3975.06	52.97	53.45	0.48	3922.02
MW - 9	08/23/18	3975.06	52.99	53.29	0.30	3922.03
MW - 9	08/30/18	3975.06	52.99	53.50	0.51	3921.99
MW - 9	08/31/18	3975.06	52.97	53.57	0.60	3922.00
MW - 9	09/11/18	3975.06	53.02	53.31	0.29	3922.00
MW - 9	09/19/18	3975.06	53.02	53.41	0.39	3921.98
MW - 9	10/16/18	3975.06	53.01	53.54	0.53	3921.97
MW - 9	11/01/18	3975.06	53.03	53.50	0.47	3921.96
MW - 9	11/05/18	3975.06	53.01	53.49	0.48	3921.98
MW - 9	11/14/18	3975.06	52.98	53.41	0.43	3922.02
MW - 9	12/04/18	3975.06	52.98	53.75	0.77	3921.96
MW - 9	12/06/18	3975.06	53.02	53.71	0.69	3921.94
MW - 9	12/18/18	3975.06	-	53.14	0.00	3921.92
MW - 9	12/20/18	3975.06	53.13	53.25	0.12	3921.91
MW - 9	12/26/18	3975.06	-	53.17	0.00	3921.89
MW - 9	01/08/19	3975.06	-	53.09	0.00	3921.97
MW - 9	01/10/19	3975.06	-	53.11	0.00	3921.95
MW - 9	01/15/19	3975.06	-	53.13	0.00	3921.93
MW - 9	01/24/19	3975.06	-	53.32	0.00	3921.74
MW - 9	02/11/19	3975.06	-	53.16	0.00	3921.90
MW - 9	02/18/19	3975.06	-	53.21	0.00	3921.85
MW - 9	04/16/19	3975.06	-	53.09	0.00	3921.97
MW - 9	04/23/19	3975.06	-	53.22	0.00	3921.84

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	04/30/19	3975.06	-	53.09	0.00	3921.97
MW - 9	05/07/19	3975.06	-	53.08	0.00	3921.98
MW - 9	05/09/19	3975.06	-	53.14	0.00	3921.92
MW - 9	05/14/19	3975.06	-	53.10	0.00	3921.96
MW - 9	06/04/19	3975.06	-	53.04	0.00	3922.02
MW - 9	06/11/19	3975.06	-	53.40	0.00	3921.66
MW - 9	06/13/19	3975.06	-	53.01	0.00	3922.05
MW - 9	06/17/19	3975.06	-	53.07	0.00	3921.99
MW - 9	07/01/19	3975.06	-	53.41	0.00	3921.65
MW - 9	07/02/19	3975.06	-	53.09	0.00	3921.97
MW - 9	08/19/19	3975.06	-	53.32	0.00	3921.74
MW - 9	08/29/19	3975.06	-	53.04	0.00	3922.02
MW - 9	09/03/19	3975.06	-	53.07	0.00	3921.99
MW - 9	09/10/19	3975.06	-	52.84	0.00	3922.22
MW - 9	10/01/19	3975.06	-	53.04	0.00	3922.02
MW - 9	10/22/19	3975.06	-	53.01	0.00	3922.05
MW - 9	11/11/19	3975.06	-	53.69	0.00	3921.37
MW - 9	11/15/19	3975.06	53.28	53.43	0.15	3921.76
MW - 9	01/08/20	3975.06	53.15	53.66	0.51	3921.83
MW - 9	02/18/20	3975.06	53.18	53.30	0.12	3921.86
MW - 9	05/05/20	3975.06	53.12	53.86	0.74	3921.83
MW - 9	06/11/20	3975.06	53.10	54.07	0.97	3921.81
MW - 9	09/23/20	3975.06	53.13	54.53	1.40	3921.72
MW - 9	12/04/20	3975.06	53.12	54.75	1.63	3921.70
MW - 10	03/02/00	3975.02	53.44	53.99	0.55	3921.50
MW - 10	04/25/00	3975.02	-	53.18	0.00	3921.84
MW - 10	09/06/00	3975.02	-	53.22	0.00	3921.80
MW - 10	11/28/00	3975.02	-	53.23	0.00	3921.79
MW - 10	02/21/01	3975.02	-	53.15	0.00	3921.87
MW - 10	05/31/01	3975.02	-	53.08	0.00	3921.94
MW - 10	08/23/01	3975.02	-	53.10	0.00	3921.92
MW - 10	11/21/01	3975.02	-	53.13	0.00	3921.89
MW - 10	02/13/02	3975.02	-	53.16	0.00	3921.86
MW - 10	06/12/02	3975.02	-	53.14	0.00	3921.88
MW - 10	08/26/02	3975.02	-	53.14	0.00	3921.88
MW - 10	11/21/02	3975.02	-	53.20	0.00	3921.82
MW - 10	02/05/03	3975.02	-	53.90	0.00	3921.12
MW - 10	05/07/03	3975.02	-	53.14	0.00	3921.88
MW - 10	08/18/03	3975.02	-	53.19	0.00	3921.83
MW - 10	12/01/03	3975.02	-	53.23	0.00	3921.79
MW - 10	02/05/04	3975.02	-	53.23	0.00	3921.79
MW - 10	05/05/04	3975.02	-	53.20	0.00	3921.82

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	09/01/04	3975.02	-	53.25	0.00	3921.77
MW - 10	12/15/04	3975.02	-	53.20	0.00	3921.82
MW - 10	03/22/05	3975.02	-	53.00	0.00	3922.02
MW - 10	06/22/05	3975.02	-	52.91	0.00	3922.11
MW - 10	09/21/05	3975.02	-	52.84	0.00	3922.18
MW - 10	12/16/05	3975.02	-	52.76	0.00	3922.26
MW - 10	03/20/06	3975.02	-	52.71	0.00	3922.31
MW - 10	06/21/06	3975.02	-	52.71	0.00	3922.31
MW - 10	09/27/06	3975.02	-	52.64	0.00	3922.38
MW - 10	12/04/06	3975.02	-	52.64	0.00	3922.38
MW - 10	03/14/07	3975.02	-	52.57	0.00	3922.45
MW - 10	05/29/07	3975.02	-	52.54	0.00	3922.48
MW - 10	08/30/07	3975.02	-	52.53	0.00	3922.49
MW - 10	11/12/07	3975.02	-	52.43	0.00	3922.59
MW - 10	03/07/08	3975.02	-	52.41	0.00	3922.61
MW - 10	06/02/08	3975.02	-	52.34	0.00	3922.68
MW - 10	09/03/08	3975.02	-	52.38	0.00	3922.64
MW - 10	12/08/08	3975.02	-	52.33	0.00	3922.69
MW - 10	02/19/09	3975.02	-	52.31	0.00	3922.71
MW - 10	05/20/09	3975.02	-	52.28	0.00	3922.74
MW - 10	08/12/09	3975.02	-	52.27	0.00	3922.75
MW - 10	11/25/09	3975.02	-	52.29	0.00	3922.73
MW - 10	01/07/10	3975.02	-	52.25	0.00	3922.77
MW - 10	02/11/10	3975.02	-	52.24	0.00	3922.78
MW - 10	05/17/10	3975.02	-	52.41	0.00	3922.61
MW - 10	08/16/10	3975.02	-	52.41	0.00	3922.61
MW - 10	11/10/10	3975.02	-	52.42	0.00	3922.60
MW - 10	02/28/11	3975.02	-	52.42	0.00	3922.60
MW - 10	05/12/11	3975.02	-	52.11	0.00	3922.91
MW - 10	08/15/11	3975.02	-	52.13	0.00	3922.89
MW - 10	11/22/11	3975.02	-	52.20	0.00	3922.82
MW - 10	02/28/12	3975.02	-	52.22	0.00	3922.80
MW - 10	05/17/12	3975.02	-	52.25	0.00	3922.77
MW - 10	08/01/12	3975.02	-	52.36	0.00	3922.66
MW - 10	10/25/12	3975.02	-	52.41	0.00	3922.61
MW - 10	11/29/12	3975.02	-	52.33	0.00	3922.69
MW - 10	02/11/13	3975.02	-	52.36	0.00	3922.66
MW - 10	04/11/13	3975.02	-	52.34	0.00	3922.68
MW - 10	05/06/13	3975.02	-	52.44	0.00	3922.58
MW - 10	05/29/13	3975.02	-	52.41	0.00	3922.61
MW - 10	06/26/13	3975.02	-	52.36	0.00	3922.66
MW - 10	07/31/13	3975.02	-	52.29	0.00	3922.73
MW - 10	08/06/13	3975.02	-	52.33	0.00	3922.69

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	09/30/13	3975.02	-	52.40	0.00	3922.62
MW - 10	11/18/13	3975.02	-	52.56	0.00	3922.46
MW - 10	02/04/14	3975.02	-	52.58	0.00	3922.44
MW - 10	04/28/14	3975.02	-	52.55	0.00	3922.47
MW - 10	05/28/14	3975.02	-	52.50	0.00	3922.52
MW - 10	07/30/14	3975.02	-	52.59	0.00	3922.43
MW - 10	08/23/14	3975.02	-	52.67	0.00	3922.35
MW - 10	10/31/14	3975.02	-	52.64	0.00	3922.38
MW - 10	11/18/14	3975.02	-	52.66	0.00	3922.36
MW - 10	01/09/15	3975.02	-	52.64	0.00	3922.38
MW - 10	02/19/15	3975.02	-	52.61	0.00	3922.41
MW - 10	03/31/15	3975.02	-	52.55	0.00	3922.47
MW - 10	04/09/15	3975.02	-	52.58	0.00	3922.44
MW - 10	05/12/15	3975.02	-	52.59	0.00	3922.43
MW - 10	07/27/15	3975.02	-	52.58	0.00	3922.44
MW - 10	08/18/15	3975.02	-	52.51	0.00	3922.51
MW - 10	10/08/15	3975.02	-	52.57	0.00	3922.45
MW - 10	11/23/15	3975.02	-	52.62	0.00	3922.40
MW - 10	01/12/16	3975.02	-	52.68	0.00	3922.34
MW - 10	02/24/16	3975.02	-	52.66	0.00	3922.36
MW - 10	06/13/16	3975.02	-	52.66	0.00	3922.36
MW - 10	08/02/16	3975.02	-	52.77	0.00	3922.25
MW - 10	11/28/16	3975.02	-	52.75	0.00	3922.27
MW - 10	02/21/17	3975.02	-	52.72	0.00	3922.30
MW - 10	05/24/17	3975.02	-	52.70	0.00	3922.32
MW - 10	07/12/17	3975.02	-	52.67	0.00	3922.35
MW - 10	08/11/17	3975.02	-	52.65	0.00	3922.37
MW - 10	10/18/17	3975.02	-	52.79	0.00	3922.23
MW - 10	11/28/17	3975.02	-	52.83	0.00	3922.19
MW - 10	01/16/18	3975.02	-	52.82	0.00	3922.20
MW - 10	02/26/18	3975.02	-	52.79	0.00	3922.23
MW - 10	04/03/18	3975.02	-	52.77	0.00	3922.25
MW - 10	04/17/18	3975.02	-	52.78	0.00	3922.24
MW - 10	05/07/18	3975.02	-	52.71	0.00	3922.31
MW - 10	06/26/18	3975.02	-	52.84	0.00	3922.18
MW - 10	08/09/18	3975.02	-	52.91	0.00	3922.11
MW - 10	09/11/18	3975.02	-	52.92	0.00	3922.10
MW - 10	11/14/18	3975.02	-	52.92	0.00	3922.10
MW - 10	11/27/18	3975.02	-	52.92	0.00	3922.10
MW - 10	12/18/18	3975.02	-	52.92	0.00	3922.10
MW - 10	02/18/19	3975.02	-	52.94	0.00	3922.08
MW - 10	05/14/19	3975.02	-	52.92	0.00	3922.10
MW - 10	08/19/19	3975.02	-	53.10	0.00	3921.92

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	11/11/19	3975.02	-	53.11	0.00	3921.91
MW - 10	02/18/20	3975.02	-	53.05	0.00	3921.97
MW - 10	05/05/20	3975.02	-	53.09	0.00	3921.93
MW - 10	06/11/20	3975.02	-	53.10	0.00	3921.92
MW - 10	09/23/20	3975.02	-	53.21	0.00	3921.81
MW - 10	12/04/20	3975.02	-	53.24	0.00	3921.78
MW - 10	12/24/20	3975.02	-	53.25	0.00	3921.77
MW - 11	03/02/00	3975.30	-	53.84	0.00	3921.46
MW - 11	04/25/00	3975.30	-	53.91	0.00	3921.39
MW - 11	09/06/00	3975.30	-	53.95	0.00	3921.35
MW - 11	11/28/00	3975.30	-	53.96	0.00	3921.34
MW - 11	02/21/01	3975.30	-	53.79	0.00	3921.51
MW - 11	05/31/01	3975.30	-	53.77	0.00	3921.53
MW - 11	08/23/01	3975.30	-	53.83	0.00	3921.47
MW - 11	11/21/01	3975.30	-	53.87	0.00	3921.43
MW - 11	02/13/02	3975.30	-	52.85	0.00	3922.45
MW - 11	06/12/02	3975.30	-	53.87	0.00	3921.43
MW - 11	08/26/02	3975.30	-	53.89	0.00	3921.41
MW - 11	11/21/02	3975.30	-	53.93	0.00	3921.37
MW - 11	02/05/03	3975.30	-	53.90	0.00	3921.40
MW - 11	05/07/03	3975.30	-	53.86	0.00	3921.44
MW - 11	08/18/03	3975.30	-	53.93	0.00	3921.37
MW - 11	12/01/03	3975.30	-	53.96	0.00	3921.34
MW - 11	02/05/04	3975.30	-	53.97	0.00	3921.33
MW - 11	05/05/04	3975.30	-	53.93	0.00	3921.37
MW - 11	09/01/04	3975.30	-	54.00	0.00	3921.30
MW - 11	12/15/04	3975.30	-	53.95	0.00	3921.35
MW - 11	03/22/05	3975.30	-	53.75	0.00	3921.55
MW - 11	06/22/05	3975.30	-	53.64	0.00	3921.66
MW - 11	09/21/05	3975.30	-	53.56	0.00	3921.74
MW - 11	12/16/05	3975.30	-	53.60	0.00	3921.70
MW - 11	03/20/06	3975.30	-	53.45	0.00	3921.85
MW - 11	06/21/06	3975.30	-	53.43	0.00	3921.87
MW - 11	09/27/06	3975.30	-	53.42	0.00	3921.88
MW - 11	12/04/06	3975.30	-	53.37	0.00	3921.93
MW - 11	03/14/07	3975.30	-	53.33	0.00	3921.97
MW - 11	05/29/07	3975.30	-	53.29	0.00	3922.01
MW - 11	08/30/07	3975.30	-	53.27	0.00	3922.03
MW - 11	11/12/07	3975.30	-	53.23	0.00	3922.07
MW - 11	03/07/08	3975.30	-	53.17	0.00	3922.13
MW - 11	06/02/08	3975.30	-	53.12	0.00	3922.18
MW - 11	09/03/08	3975.30	-	53.12	0.00	3922.18

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	12/08/08	3975.30	-	53.10	0.00	3922.20
MW - 11	02/19/09	3975.30	-	53.08	0.00	3922.22
MW - 11	05/20/09	3975.30	-	53.04	0.00	3922.26
MW - 11	08/12/09	3975.30	-	53.03	0.00	3922.27
MW - 11	11/25/09	3975.30	-	53.03	0.00	3922.27
MW - 11	01/07/10	3975.30	-	53.02	0.00	3922.28
MW - 11	02/11/10	3975.30	-	52.99	0.00	3922.31
MW - 11	05/17/10	3975.30	-	53.16	0.00	3922.14
MW - 11	08/16/10	3975.30	-	53.15	0.00	3922.15
MW - 11	11/10/10	3975.30	-	53.17	0.00	3922.13
MW - 11	02/28/11	3975.30	-	53.15	0.00	3922.15
MW - 11	05/12/11	3975.30	-	52.96	0.00	3922.34
MW - 11	08/15/11	3975.30	-	53.10	0.00	3922.20
MW - 11	11/22/11	3975.30	-	53.05	0.00	3922.25
MW - 11	02/28/12	3975.30	-	53.01	0.00	3922.29
MW - 11	05/17/12	3975.30	-	53.00	0.00	3922.30
MW - 11	08/01/12	3975.30	-	53.12	0.00	3922.18
MW - 11	10/25/12	3975.30	-	53.15	0.00	3922.15
MW - 11	11/29/12	3975.30	-	53.23	0.00	3922.07
MW - 11	02/11/13	3975.30	-	53.16	0.00	3922.14
MW - 11	04/11/13	3975.30	-	53.39	0.00	3921.91
MW - 11	05/06/13	3975.30	-	53.19	0.00	3922.11
MW - 11	05/29/13	3975.30	-	53.34	0.00	3921.96
MW - 11	06/26/13	3975.30	-	53.36	0.00	3921.94
MW - 11	07/31/13	3975.30	-	53.29	0.00	3922.01
MW - 11	08/06/13	3975.30	-	53.26	0.00	3922.04
MW - 11	09/30/13	3975.30	-	53.35	0.00	3921.95
MW - 11	11/18/13	3975.30	-	53.32	0.00	3921.98
MW - 11	02/04/14	3975.30	-	53.30	0.00	3922.00
MW - 11	04/28/14	3975.30	-	53.31	0.00	3921.99
MW - 11	05/28/14	3975.30	-	53.40	0.00	3921.90
MW - 11	07/30/14	3975.30	-	53.40	0.00	3921.90
MW - 11	08/23/14	3975.30	-	53.43	0.00	3921.87
MW - 11	10/31/14	3975.30	-	53.45	0.00	3921.85
MW - 11	11/18/14	3975.30	-	53.43	0.00	3921.87
MW - 11	01/09/15	3975.30	-	53.39	0.00	3921.91
MW - 11	02/19/15	3975.30	-	53.40	0.00	3921.90
MW - 11	03/31/15	3975.30	-	53.40	0.00	3921.90
MW - 11	04/09/15	3975.30	-	53.33	0.00	3921.97
MW - 11	05/12/15	3975.30	-	53.55	0.00	3921.75
MW - 11	07/27/15	3975.30	-	53.42	0.00	3921.88
MW - 11	08/18/15	3975.30	-	53.36	0.00	3921.94
MW - 11	10/08/15	3975.30	-	53.48	0.00	3921.82

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	11/23/15	3975.30	-	53.42	0.00	3921.88
MW - 11	01/12/16	3975.30	-	53.43	0.00	3921.87
MW - 11	02/24/16	3975.30	-	53.45	0.00	3921.85
MW - 11	06/13/16	3975.30	-	53.43	0.00	3921.87
MW - 11	08/02/16	3975.30	-	53.56	0.00	3921.74
MW - 11	11/28/16	3975.30	-	53.49	0.00	3921.81
MW - 11	02/21/17	3975.30	-	53.48	0.00	3921.82
MW - 11	05/24/17	3975.30	-	53.45	0.00	3921.85
MW - 11	07/12/17	3975.30	-	53.47	0.00	3921.83
MW - 11	08/11/17	3975.30	-	53.47	0.00	3921.83
MW - 11	10/18/17	3975.30	-	53.60	0.00	3921.70
MW - 11	11/28/17	3975.30	-	53.58	0.00	3921.72
MW - 11	01/16/18	3975.30	-	53.58	0.00	3921.72
MW - 11	02/26/18	3975.30	-	53.54	0.00	3921.76
MW - 11	04/03/18	3975.30	-	53.54	0.00	3921.76
MW - 11	04/17/18	3975.30	-	53.53	0.00	3921.77
MW - 11	05/07/18	3975.30	-	53.61	0.00	3921.69
MW - 11	06/26/18	3975.30	-	53.60	0.00	3921.70
MW - 11	08/09/18	3975.30	-	53.63	0.00	3921.67
MW - 11	09/11/18	3975.30	-	53.66	0.00	3921.64
MW - 11	11/14/18	3975.30	-	53.69	0.00	3921.61
MW - 11	12/18/18	3975.30	-	53.66	0.00	3921.64
MW - 11	02/18/19	3975.30	-	53.69	0.00	3921.61
MW - 11	05/14/19	3975.30	-	53.66	0.00	3921.64
MW - 11	08/19/19	3975.30	-	53.84	0.00	3921.46
MW - 11	11/11/19	3975.30	-	53.84	0.00	3921.46
MW - 11	02/18/20	3975.30	-	53.80	0.00	3921.50
MW - 11	05/05/20	3975.30	-	53.83	0.00	3921.47
MW - 11	06/11/20	3975.30	-	53.85	0.00	3921.45
MW - 11	09/23/20	3975.30	-	53.96	0.00	3921.34
MW - 11	12/04/20	3975.30	-	53.99	0.00	3921.31
MW - 11	12/24/20	3975.30	-	54.00	0.00	3921.30
MW - 12	03/02/00	3974.55	-	52.80	0.00	3921.75
MW - 12	04/25/00	3974.55	-	52.86	0.00	3921.69
MW - 12	09/06/00	3974.55	-	52.90	0.00	3921.65
MW - 12	11/28/00	3974.55	-	52.92	0.00	3921.63
MW - 12	02/21/01	3974.55	-	52.75	0.00	3921.80
MW - 12	05/31/01	3974.55	-	52.75	0.00	3921.80
MW - 12	08/31/01	3974.55	-	52.78	0.00	3921.77
MW - 12	11/21/01	3974.55	-	52.82	0.00	3921.73
MW - 12	02/13/02	3974.55	-	52.85	0.00	3921.70
MW - 12	06/12/02	3974.55	-	52.83	0.00	3921.72

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	08/26/02	3974.55	-	52.83	0.00	3921.72
MW - 12	11/21/02	3974.55	-	52.89	0.00	3921.66
MW - 12	02/05/03	3974.55	-	52.88	0.00	3921.67
MW - 12	05/07/03	3974.55	-	52.82	0.00	3921.73
MW - 12	08/18/03	3974.55	-	52.89	0.00	3921.66
MW - 12	12/01/03	3974.55	-	52.93	0.00	3921.62
MW - 12	02/05/04	3974.55	-	52.92	0.00	3921.63
MW - 12	05/05/04	3974.55	-	52.90	0.00	3921.65
MW - 12	09/01/04	3974.55	-	52.94	0.00	3921.61
MW - 12	12/15/04	3974.55	-	52.90	0.00	3921.65
MW - 12	03/22/05	3974.55	-	52.69	0.00	3921.86
MW - 12	06/22/05	3974.55	-	52.58	0.00	3921.97
MW - 12	09/21/05	3974.55	-	52.51	0.00	3922.04
MW - 12	12/16/05	3974.55	-	52.46	0.00	3922.09
MW - 12	03/20/06	3974.55	-	52.39	0.00	3922.16
MW - 12	06/21/06	3974.55	-	52.36	0.00	3922.19
MW - 12	09/27/06	3974.55	-	52.44	0.00	3922.11
MW - 12	12/04/06	3974.55	-	52.33	0.00	3922.22
MW - 12	03/14/07	3974.55	-	52.28	0.00	3922.27
MW - 12	05/29/07	3974.55	-	52.26	0.00	3922.29
MW - 12	08/30/07	3974.55	-	52.23	0.00	3922.32
MW - 12	11/12/07	3974.55	-	52.20	0.00	3922.35
MW - 12	03/07/08	3974.55	-	52.12	0.00	3922.43
MW - 12	06/02/08	3974.55	-	52.05	0.00	3922.50
MW - 12	09/03/08	3974.55	-	52.07	0.00	3922.48
MW - 12	12/08/08	3974.55	-	52.05	0.00	3922.50
MW - 12	02/19/09	3974.55	-	52.02	0.00	3922.53
MW - 12	05/20/09	3974.55	-	51.99	0.00	3922.56
MW - 12	08/12/09	3974.55	-	51.97	0.00	3922.58
MW - 12	11/25/09	3974.55	-	51.98	0.00	3922.57
MW - 12	01/07/10	3974.55	-	51.95	0.00	3922.60
MW - 12	02/11/10	3974.55	-	51.95	0.00	3922.60
MW - 12	05/17/10	3974.55	-	52.13	0.00	3922.42
MW - 12	08/16/10	3974.55	-	52.13	0.00	3922.42
MW - 12	11/10/10	3974.55	-	52.13	0.00	3922.42
MW - 12	02/28/11	3974.55	-	52.12	0.00	3922.43
MW - 12	05/12/11	3974.55	-	51.92	0.00	3922.63
MW - 12	08/15/11	3974.55	-	52.08	0.00	3922.47
MW - 12	11/22/11	3974.55	-	51.97	0.00	3922.58
MW - 12	02/28/12	3974.55	-	51.97	0.00	3922.58
MW - 12	05/17/12	3974.55	-	51.95	0.00	3922.60
MW - 12	08/01/12	3974.55	-	52.06	0.00	3922.49
MW - 12	10/25/12	3974.55	-	52.12	0.00	3922.43

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	11/29/12	3974.55	-	52.19	0.00	3922.36
MW - 12	02/11/13	3974.55	-	52.08	0.00	3922.47
MW - 12	04/11/13	3974.55	-	52.30	0.00	3922.25
MW - 12	05/06/13	3974.55	-	52.13	0.00	3922.42
MW - 12	05/29/13	3974.55	-	52.26	0.00	3922.29
MW - 12	06/26/13	3974.55	-	52.31	0.00	3922.24
MW - 12	07/31/13	3974.55	-	52.21	0.00	3922.34
MW - 12	08/06/13	3974.55	-	52.21	0.00	3922.34
MW - 12	09/30/13	3974.55	-	52.25	0.00	3922.30
MW - 12	11/18/13	3974.55	-	52.27	0.00	3922.28
MW - 12	12/08/13	3974.55	-	52.28	0.00	3922.27
MW - 12	02/04/14	3974.55	-	52.26	0.00	3922.29
MW - 12	04/28/14	3974.55	-	52.26	0.00	3922.29
MW - 12	05/28/14	3974.55	-	52.32	0.00	3922.23
MW - 12	07/30/14	3974.55	-	52.35	0.00	3922.20
MW - 12	08/23/14	3974.55	-	52.38	0.00	3922.17
MW - 12	10/31/14	3974.55	-	52.39	0.00	3922.16
MW - 12	11/18/14	3974.55	-	52.38	0.00	3922.17
MW - 12	01/09/15	3974.55	-	52.34	0.00	3922.21
MW - 12	02/19/15	3974.55	-	52.34	0.00	3922.21
MW - 12	03/31/15	3974.55	-	52.35	0.00	3922.20
MW - 12	04/09/15	3974.55	-	52.28	0.00	3922.27
MW - 12	05/12/15	3974.55	-	52.29	0.00	3922.26
MW - 12	07/27/15	3974.55	-	52.36	0.00	3922.19
MW - 12	08/18/15	3974.55	-	52.33	0.00	3922.22
MW - 12	10/08/15	3974.55	-	52.42	0.00	3922.13
MW - 12	11/23/15	3974.55	-	52.35	0.00	3922.20
MW - 12	01/12/16	3974.55	-	52.38	0.00	3922.17
MW - 12	02/24/16	3974.55	-	52.38	0.00	3922.17
MW - 12	06/13/16	3974.55	-	52.37	0.00	3922.18
MW - 12	08/02/16	3974.55	-	52.52	0.00	3922.03
MW - 12	11/28/16	3974.55	-	52.45	0.00	3922.10
MW - 12	02/21/17	3974.55	-	52.42	0.00	3922.13
MW - 12	05/24/17	3974.55	-	52.39	0.00	3922.16
MW - 12	07/12/17	3974.55	-	52.49	0.00	3922.06
MW - 12	08/11/17	3974.55	-	52.51	0.00	3922.04
MW - 12	10/18/17	3974.55	-	52.55	0.00	3922.00
MW - 12	11/28/17	3974.55	-	52.52	0.00	3922.03
MW - 12	01/16/18	3974.55	-	52.52	0.00	3922.03
MW - 12	02/26/18	3974.55	-	52.49	0.00	3922.06
MW - 12	04/03/18	3974.55	-	52.84	0.00	3921.71
MW - 12	04/17/18	3974.55	-	52.49	0.00	3922.06
MW - 12	05/07/18	3974.55	-	52.55	0.00	3922.00

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	06/26/18	3974.55	-	52.54	0.00	3922.01
MW - 12	08/09/18	3974.55	-	52.59	0.00	3921.96
MW - 12	09/11/18	3974.55	-	52.61	0.00	3921.94
MW - 12	11/14/18	3974.55	-	52.64	0.00	3921.91
MW - 12	12/18/18	3974.55	-	52.62	0.00	3921.93
MW - 12	02/18/19	3974.55	-	52.64	0.00	3921.91
MW - 12	05/14/19	3974.55	-	52.59	0.00	3921.96
MW - 12	08/19/19	3974.55	-	52.79	0.00	3921.76
MW - 12	11/11/19	3974.55	-	52.79	0.00	3921.76
MW - 12	02/18/20	3974.55	-	52.75	0.00	3921.80
MW - 12	05/05/20	3974.55	-	52.78	0.00	3921.77
MW - 12	06/11/20	3974.55	-	52.80	0.00	3921.75
MW - 12	09/23/20	3974.55	-	52.92	0.00	3921.63
MW - 12	12/04/20	3974.55	-	52.94	0.00	3921.61
MW - 12	12/24/20	3974.55	-	52.92	0.00	3921.63
MW - 13	03/02/00	3975.00	-	53.77	0.00	3921.23
MW - 13	04/25/00	3975.00	-	53.85	0.00	3921.15
MW - 13	09/06/00	3975.00	-	53.90	0.00	3921.10
MW - 13	11/28/00	3975.00	-	53.91	0.00	3921.09
MW - 13	02/21/01	3975.00	-	53.80	0.00	3921.20
MW - 13	05/31/01	3975.00	-	53.72	0.00	3921.28
MW - 13	08/23/01	3975.00	-	53.76	0.00	3921.24
MW - 13	11/21/01	3975.00	-	53.83	0.00	3921.17
MW - 13	02/13/02	3975.00	-	53.86	0.00	3921.14
MW - 13	06/12/02	3975.00	-	53.81	0.00	3921.19
MW - 13	08/26/02	3975.00	-	53.82	0.00	3921.18
MW - 13	11/21/02	3975.00	-	53.89	0.00	3921.11
MW - 13	02/05/03	3975.00	-	53.85	0.00	3921.15
MW - 13	05/07/03	3975.00	-	53.78	0.00	3921.22
MW - 13	08/18/03	3975.00	-	53.88	0.00	3921.12
MW - 13	12/01/03	3975.00	-	53.91	0.00	3921.09
MW - 13	02/05/04	3975.00	-	53.90	0.00	3921.10
MW - 13	05/05/04	3975.00	-	53.90	0.00	3921.10
MW - 13	09/01/04	3975.00	-	53.93	0.00	3921.07
MW - 13	12/15/04	3975.00	-	53.88	0.00	3921.12
MW - 13	03/22/05	3975.00	-	53.64	0.00	3921.36
MW - 13	06/22/05	3975.00	-	53.58	0.00	3921.42
MW - 13	09/21/05	3975.00	-	53.51	0.00	3921.49
MW - 13	12/16/05	3975.00	-	53.44	0.00	3921.56
MW - 13	03/20/06	3975.00	-	53.43	0.00	3921.57
MW - 13	06/21/06	3975.00	-	53.38	0.00	3921.62
MW - 13	09/27/06	3975.00	-	53.33	0.00	3921.67

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	12/04/06	3975.00	-	53.33	0.00	3921.67
MW - 13	02/09/07	3975.00	-	52.32	0.00	3922.68
MW - 13	02/23/07	3975.00	-	53.27	0.00	3921.73
MW - 13	03/14/07	3975.00	-	53.28	0.00	3921.72
MW - 13	05/29/07	3975.00	-	53.26	0.00	3921.74
MW - 13	08/30/07	3975.00	-	53.22	0.00	3921.78
MW - 13	11/12/07	3975.00	-	53.19	0.00	3921.81
MW - 13	03/07/08	3975.00	-	53.13	0.00	3921.87
MW - 13	06/02/08	3975.00	-	53.07	0.00	3921.93
MW - 13	09/03/08	3975.00	-	53.07	0.00	3921.93
MW - 13	12/08/08	3975.00	-	53.05	0.00	3921.95
MW - 13	02/19/09	3975.00	-	53.02	0.00	3921.98
MW - 13	05/20/09	3975.00	-	52.99	0.00	3922.01
MW - 13	08/12/09	3975.00	-	52.99	0.00	3922.01
MW - 13	11/04/09	3975.00	-	52.94	0.00	3922.06
MW - 13	11/11/09	3975.00	-	52.94	0.00	3922.06
MW - 13	11/18/09	3975.00	-	52.95	0.00	3922.05
MW - 13	11/25/09	3975.00	-	52.97	0.00	3922.03
MW - 13	12/02/09	3975.00	-	52.95	0.00	3922.05
MW - 13	01/07/10	3975.00	-	52.94	0.00	3922.06
MW - 13	02/02/10	3975.00	-	52.90	0.00	3922.10
MW - 13	02/11/10	3975.00	-	52.92	0.00	3922.08
MW - 13	05/17/10	3975.00	-	53.06	0.00	3921.94
MW - 13	08/16/10	3975.00	-	53.06	0.00	3921.94
MW - 13	11/10/10	3975.00	-	53.09	0.00	3921.91
MW - 13	02/28/11	3975.00	-	53.07	0.00	3921.93
MW - 13	03/04/11	3975.00	-	52.92	0.00	3922.08
MW - 13	04/28/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/04/11	3975.00	-	52.91	0.00	3922.09
MW - 13	05/11/11	3975.00	-	52.91	0.00	3922.09
MW - 13	05/12/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/18/11	3975.00	-	52.92	0.00	3922.08
MW - 13	05/23/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/08/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/16/11	3975.00	-	52.93	0.00	3922.07
MW - 13	06/22/11	3975.00	-	52.94	0.00	3922.06
MW - 13	06/30/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/06/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/13/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/15/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/19/11	3975.00	-	52.95	0.00	3922.05
MW - 13	07/21/11	3975.00	-	52.94	0.00	3922.06
MW - 13	07/25/11	3975.00	-	52.95	0.00	3922.05

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	07/28/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/02/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/09/11	3975.00	-	52.95	0.00	3922.05
MW - 13	08/12/11	3975.00	-	52.96	0.00	3922.04
MW - 13	08/15/11	3975.00	-	53.00	0.00	3922.00
MW - 13	08/16/11	3975.00	-	52.97	0.00	3922.03
MW - 13	08/19/11	3975.00	-	52.97	0.00	3922.03
MW - 13	08/23/11	3975.00	-	52.98	0.00	3922.02
MW - 13	09/01/11	3975.00	-	52.97	0.00	3922.03
MW - 13	09/15/11	3975.00	-	52.98	0.00	3922.02
MW - 13	09/22/11	3975.00	-	52.96	0.00	3922.04
MW - 13	10/11/11	3975.00	-	52.99	0.00	3922.01
MW - 13	10/13/11	3975.00	-	53.03	0.00	3921.97
MW - 13	11/22/11	3975.00	-	52.96	0.00	3922.04
MW - 13	12/29/11	3975.00	-	52.96	0.00	3922.04
MW - 13	01/26/12	3975.00	-	52.97	0.00	3922.03
MW - 13	01/31/12	3975.00	-	52.99	0.00	3922.01
MW - 13	02/15/12	3975.00	-	52.95	0.00	3922.05
MW - 13	02/28/12	3975.00	-	52.95	0.00	3922.05
MW - 13	03/20/12	3975.00	-	53.03	0.00	3921.97
MW - 13	03/27/12	3975.00	-	54.96	0.00	3920.04
MW - 13	04/10/12	3975.00	-	52.98	0.00	3922.02
MW - 13	04/19/12	3975.00	-	52.98	0.00	3922.02
MW - 13	04/26/12	3975.00	-	52.96	0.00	3922.04
MW - 13	05/08/12	3975.00	-	52.97	0.00	3922.03
MW - 13	05/15/12	3975.00	-	52.94	0.00	3922.06
MW - 13	05/17/12	3975.00	-	52.93	0.00	3922.07
MW - 13	06/05/12	3975.00	-	53.00	0.00	3922.00
MW - 13	06/21/12	3975.00	-	52.64	0.00	3922.36
MW - 13	06/28/12	3975.00	-	52.70	0.00	3922.30
MW - 13	07/17/12	3975.00	-	53.01	0.00	3921.99
MW - 13	08/01/12	3975.00	-	53.04	0.00	3921.96
MW - 13	10/02/12	3975.00	-	53.31	0.00	3921.69
MW - 13	10/09/12	3975.00	-	53.19	0.00	3921.81
MW - 13	10/16/12	3975.00	-	53.13	0.00	3921.87
MW - 13	10/25/12	3975.00	-	53.14	0.00	3921.86
MW - 13	10/30/12	3975.00	-	53.11	0.00	3921.89
MW - 13	11/29/12	3975.00	-	53.14	0.00	3921.86
MW - 13	12/14/12	3975.00	-	53.16	0.00	3921.84
MW - 13	02/11/13	3975.00	-	53.09	0.00	3921.91
MW - 13	04/11/13	3975.00	-	53.29	0.00	3921.71
MW - 13	04/15/13	3975.00	-	53.20	0.00	3921.80
MW - 13	04/22/13	3975.00	-	53.14	0.00	3921.86

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	05/06/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/09/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/20/13	3975.00	-	53.14	0.00	3921.86
MW - 13	05/24/13	3975.00	-	53.25	0.00	3921.75
MW - 13	05/29/13	3975.00	-	53.26	0.00	3921.74
MW - 13	05/31/13	3975.00	-	53.23	0.00	3921.77
MW - 13	06/07/13	3975.00	-	53.31	0.00	3921.69
MW - 13	06/12/13	3975.00	-	53.30	0.00	3921.70
MW - 13	06/14/13	3975.00	-	53.25	0.00	3921.75
MW - 13	06/19/13	3975.00	-	53.24	0.00	3921.76
MW - 13	06/21/13	3975.00	-	53.28	0.00	3921.72
MW - 13	06/25/13	3975.00	-	53.21	0.00	3921.79
MW - 13	06/26/13	3975.00	-	53.26	0.00	3921.74
MW - 13	07/03/13	3975.00	-	53.26	0.00	3921.74
MW - 13	07/09/13	3975.00	-	53.25	0.00	3921.75
MW - 13	07/11/13	3975.00	-	53.31	0.00	3921.69
MW - 13	07/24/13	3975.00	-	53.22	0.00	3921.78
MW - 13	07/26/13	3975.00	-	53.29	0.00	3921.71
MW - 13	07/31/13	3975.00	-	53.25	0.00	3921.75
MW - 13	08/02/13	3975.00	-	53.29	0.00	3921.71
MW - 13	08/06/13	3975.00	-	53.22	0.00	3921.78
MW - 13	08/14/13	3975.00	-	53.28	0.00	3921.72
MW - 13	08/21/13	3975.00	-	53.32	0.00	3921.68
MW - 13	08/26/13	3975.00	-	53.29	0.00	3921.71
MW - 13	09/06/13	3975.00	-	53.30	0.00	3921.70
MW - 13	08/30/13	3975.00	-	53.28	0.00	3921.72
MW - 13	09/13/13	3975.00	-	53.23	0.00	3921.77
MW - 13	09/27/13	3975.00	-	53.34	0.00	3921.66
MW - 13	09/30/13	3975.00	-	53.35	0.00	3921.65
MW - 13	10/02/13	3975.00	-	53.30	0.00	3921.70
MW - 13	10/03/13	3975.00	-	53.28	0.00	3921.72
MW - 13	10/11/13	3975.00	-	53.21	0.00	3921.79
MW - 13	10/17/13	3975.00	-	53.22	0.00	3921.78
MW - 13	10/22/13	3975.00	-	53.22	0.00	3921.78
MW - 13	10/24/13	3975.00	-	53.37	0.00	3921.63
MW - 13	10/30/13	3975.00	-	53.34	0.00	3921.66
MW - 13	11/01/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/04/13	3975.00	-	53.29	0.00	3921.71
MW - 13	11/08/13	3975.00	-	53.32	0.00	3921.68
MW - 13	11/13/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/15/13	3975.00	-	53.25	0.00	3921.75
MW - 13	11/19/13	3975.00	-	53.25	0.00	3921.75
MW - 13	12/12/13	3975.00	-	53.31	0.00	3921.69

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	12/16/13	3975.00	-	53.30	0.00	3921.70
MW - 13	12/18/13	3975.00	-	53.30	0.00	3921.70
MW - 13	12/23/13	3975.00	-	53.36	0.00	3921.64
MW - 13	12/30/13	3975.00	-	53.33	0.00	3921.67
MW - 13	01/01/14	3975.00	-	53.27	0.00	3921.73
MW - 13	01/06/14	3975.00	-	53.26	0.00	3921.74
MW - 13	01/15/14	3975.00	-	53.38	0.00	3921.62
MW - 13	01/17/14	3975.00	-	53.26	0.00	3921.74
MW - 13	01/20/14	3975.00	-	53.21	0.00	3921.79
MW - 13	01/22/14	3975.00	-	52.87	0.00	3922.13
MW - 13	01/29/14	3975.00	-	53.31	0.00	3921.69
MW - 13	02/04/14	3975.00	-	53.28	0.00	3921.72
MW - 13	02/13/14	3975.00	-	53.30	0.00	3921.70
MW - 13	02/21/14	3975.00	-	53.37	0.00	3921.63
MW - 13	02/26/14	3975.00	-	53.40	0.00	3921.60
MW - 13	03/12/14	3975.00	-	53.40	0.00	3921.60
MW - 13	03/14/14	3975.00	-	53.37	0.00	3921.63
MW - 13	03/17/14	3975.00	-	53.37	0.00	3921.63
MW - 13	03/24/14	3975.00	-	53.33	0.00	3921.67
MW - 13	03/26/14	3975.00	-	53.34	0.00	3921.66
MW - 13	04/09/14	3975.00	-	53.24	0.00	3921.76
MW - 13	04/28/14	3975.00	-	53.24	0.00	3921.76
MW - 13	05/28/14	3975.00	-	53.34	0.00	3921.66
MW - 13	07/30/14	3975.00	-	53.36	0.00	3921.64
MW - 13	08/23/14	3975.00	-	53.40	0.00	3921.60
MW - 13	10/31/14	3975.00	-	53.40	0.00	3921.60
MW - 13	11/18/14	3975.00	-	53.38	0.00	3921.62
MW - 13	01/09/15	3975.00	-	53.35	0.00	3921.65
MW - 13	02/19/15	3975.00	-	53.34	0.00	3921.66
MW - 13	03/31/15	3975.00	-	53.35	0.00	3921.65
MW - 13	04/09/15	3975.00	-	53.29	0.00	3921.71
MW - 13	05/12/15	3975.00	-	53.30	0.00	3921.70
MW - 13	07/27/15	3975.00	-	53.37	0.00	3921.63
MW - 13	08/18/15	3975.00	-	53.35	0.00	3921.65
MW - 13	10/08/15	3975.00	-	53.43	0.00	3921.57
MW - 13	11/23/15	3975.00	-	53.34	0.00	3921.66
MW - 13	01/12/16	3975.00	-	53.38	0.00	3921.62
MW - 13	02/24/16	3975.00	-	53.35	0.00	3921.65
MW - 13	06/13/16	3975.00	-	53.35	0.00	3921.65
MW - 13	08/02/16	3975.00	-	53.49	0.00	3921.51
MW - 13	11/28/16	3975.00	-	53.42	0.00	3921.58
MW - 13	02/21/17	3975.00	-	53.43	0.00	3921.57
MW - 13	05/24/17	3975.00	-	53.41	0.00	3921.59

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	07/12/17	3975.00	-	53.50	0.00	3921.50
MW - 13	08/11/17	3975.00	-	53.47	0.00	3921.53
MW - 13	10/18/17	3975.00	-	53.54	0.00	3921.46
MW - 13	11/28/17	3975.00	-	53.52	0.00	3921.48
MW - 13	01/16/18	3975.00	-	53.52	0.00	3921.48
MW - 13	02/26/18	3975.00	-	53.49	0.00	3921.51
MW - 13	04/03/18	3975.00	-	53.48	0.00	3921.52
MW - 13	04/17/18	3975.00	-	53.48	0.00	3921.52
MW - 13	05/07/18	3975.00	-	53.66	0.00	3921.34
MW - 13	06/26/18	3975.00	-	53.55	0.00	3921.45
MW - 13	08/09/18	3975.00	-	53.57	0.00	3921.43
MW - 13	09/11/18	3975.00	-	53.61	0.00	3921.39
MW - 13	09/11/18	3975.00	-	53.65	0.00	3921.35
MW - 13	11/14/18	3974.55	-	53.65	0.00	3920.90
MW - 13	12/18/18	3975.00	-	53.60	0.00	3921.40
MW - 13	02/18/19	3975.00	-	53.64	0.00	3921.36
MW - 13	05/14/19	3975.00	-	53.60	0.00	3921.40
MW - 13	08/19/19	3975.00	-	53.79	0.00	3921.21
MW - 13	11/11/19	3975.00	-	53.84	0.00	3921.16
MW - 13	02/18/20	3975.00	-	53.76	0.00	3921.24
MW - 13	05/05/20	3975.00	-	53.76	0.00	3921.24
MW - 13	06/11/20	3975.00	-	53.80	0.00	3921.20
MW - 13	09/23/20	3975.00	-	53.91	0.00	3921.09
MW - 13	12/04/20	3975.00	-	53.93	0.00	3921.07
MW - 14	03/02/00	3976.15	-	54.49	0.00	3921.66
MW - 14	04/25/00	3976.15	-	54.55	0.00	3921.60
MW - 14	09/06/00	3976.15	-	54.61	0.00	3921.54
MW - 14	11/28/00	3976.15	-	54.61	0.00	3921.54
MW - 14	02/21/01	3976.15	-	54.44	0.00	3921.71
MW - 14	05/31/01	3976.15	-	54.45	0.00	3921.70
MW - 14	08/23/01	3976.15	-	54.47	0.00	3921.68
MW - 14	11/21/01	3976.15	-	54.50	0.00	3921.65
MW - 14	02/13/02	3976.15	-	54.55	0.00	3921.60
MW - 14	06/12/02	3976.15	-	54.52	0.00	3921.63
MW - 14	08/26/02	3976.15	-	54.53	0.00	3921.62
MW - 14	11/21/02	3976.15	-	54.57	0.00	3921.58
MW - 14	02/05/03	3976.15	-	54.52	0.00	3921.63
MW - 14	05/07/03	3976.15	-	54.51	0.00	3921.64
MW - 14	08/18/03	3976.15	-	54.57	0.00	3921.58
MW - 14	12/01/03	3976.15	-	54.61	0.00	3921.54
MW - 14	02/05/04	3976.15	-	54.60	0.00	3921.55
MW - 14	05/05/04	3976.15	-	54.58	0.00	3921.57

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	09/01/04	3976.15	-	54.65	0.00	3921.50
MW - 14	12/15/04	3976.15	-	54.60	0.00	3921.55
MW - 14	03/22/05	3976.15	-	54.40	0.00	3921.75
MW - 14	06/22/05	3976.15	-	54.29	0.00	3921.86
MW - 14	09/21/05	3976.15	-	54.21	0.00	3921.94
MW - 14	12/16/05	3976.15	-	54.14	0.00	3922.01
MW - 14	03/20/06	3976.15	-	54.11	0.00	3922.04
MW - 14	06/21/06	3976.15	-	54.06	0.00	3922.09
MW - 14	09/27/06	3976.15	-	54.04	0.00	3922.11
MW - 14	12/04/06	3976.15	-	54.02	0.00	3922.13
MW - 14	02/09/07	3976.15	-	54.01	0.00	3922.14
MW - 14	02/23/07	3976.15	-	53.96	0.00	3922.19
MW - 14	03/14/07	3976.15	-	53.99	0.00	3922.16
MW - 14	05/29/07	3976.15	-	53.94	0.00	3922.21
MW - 14	08/30/07	3976.15	-	53.92	0.00	3922.23
MW - 14	11/12/07	3976.15	-	53.87	0.00	3922.28
MW - 14	03/07/08	3976.15	-	53.81	0.00	3922.34
MW - 14	06/02/08	3976.15	-	53.75	0.00	3922.40
MW - 14	09/03/08	3976.15	-	53.75	0.00	3922.40
MW - 14	12/08/08	3976.15	-	53.70	0.00	3922.45
MW - 14	02/19/09	3976.15	-	53.71	0.00	3922.44
MW - 14	05/20/09	3976.15	-	53.69	0.00	3922.46
MW - 14	08/12/09	3976.15	-	53.69	0.00	3922.46
MW - 14	11/04/09	3976.15	-	53.66	0.00	3922.49
MW - 14	11/11/09	3976.15	-	53.66	0.00	3922.49
MW - 14	11/18/09	3976.15	-	53.65	0.00	3922.50
MW - 14	11/25/09	3976.15	-	53.65	0.00	3922.50
MW - 14	12/02/09	3976.15	-	52.02	0.00	3924.13
MW - 14	01/07/10	3976.15	-	53.64	0.00	3922.51
MW - 14	02/02/10	3976.15	-	53.63	0.00	3922.52
MW - 14	02/11/10	3976.15	-	53.63	0.00	3922.52
MW - 14	05/17/10	3976.15	-	53.72	0.00	3922.43
MW - 14	08/16/10	3976.15	-	53.71	0.00	3922.44
MW - 14	11/10/10	3976.15	-	53.70	0.00	3922.45
MW - 14	02/28/11	3976.15	-	53.71	0.00	3922.44
MW - 14	03/04/11	3976.15	-	53.56	0.00	3922.59
MW - 14	04/28/11	3976.15	-	53.63	0.00	3922.52
MW - 14	05/04/11	3976.15	-	52.38	0.00	3923.77
MW - 14	05/11/11	3976.15	-	53.59	0.00	3922.56
MW - 14	05/12/11	3976.15	-	53.58	0.00	3922.57
MW - 14	05/18/11	3976.15	-	53.57	0.00	3922.58
MW - 14	05/23/11	3976.15	-	53.62	0.00	3922.53
MW - 14	06/08/11	3976.15	-	53.45	0.00	3922.70

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	06/16/11	3976.15	-	53.53	0.00	3922.62
MW - 14	06/22/11	3976.15	-	53.52	0.00	3922.63
MW - 14	06/30/11	3976.15	-	53.71	0.00	3922.44
MW - 14	07/06/11	3976.15	-	53.60	0.00	3922.55
MW - 14	07/13/11	3976.15	-	53.66	0.00	3922.49
MW - 14	07/15/11	3976.15	-	53.67	0.00	3922.48
MW - 14	07/19/11	3976.15	-	53.62	0.00	3922.53
MW - 14	07/21/11	3976.15	-	53.58	0.00	3922.57
MW - 14	07/25/11	3976.15	-	53.57	0.00	3922.58
MW - 14	07/28/11	3976.15	-	53.62	0.00	3922.53
MW - 14	08/02/11	3976.15	-	53.70	0.00	3922.45
MW - 14	08/09/11	3976.15	-	53.66	0.00	3922.49
MW - 14	08/12/11	3976.15	-	53.67	0.00	3922.48
MW - 14	08/15/11	3976.15	-	53.67	0.00	3922.48
MW - 14	08/16/11	3976.15	-	53.66	0.00	3922.49
MW - 14	08/19/11	3976.15	-	53.69	0.00	3922.46
MW - 14	08/23/11	3976.15	-	53.71	0.00	3922.44
MW - 14	08/26/11	3976.15	-	53.72	0.00	3922.43
MW - 14	08/30/11	3976.15	-	53.63	0.00	3922.52
MW - 14	09/01/11	3976.15	-	53.68	0.00	3922.47
MW - 14	09/15/11	3976.15	-	53.68	0.00	3922.47
MW - 14	09/22/11	3976.15	-	53.61	0.00	3922.54
MW - 14	10/11/11	3976.15	-	53.72	0.00	3922.43
MW - 14	10/13/11	3976.15	-	53.76	0.00	3922.39
MW - 14	10/26/11	3976.15	-	53.70	0.00	3922.45
MW - 14	11/22/11	3976.15	-	53.66	0.00	3922.49
MW - 14	12/29/11	3976.15	-	53.63	0.00	3922.52
MW - 14	01/26/12	3976.15	-	53.64	0.00	3922.51
MW - 14	02/28/12	3976.15	-	53.62	0.00	3922.53
MW - 14	03/20/12	3976.15	-	53.68	0.00	3922.47
MW - 14	03/27/12	3976.15	-	53.65	0.00	3922.50
MW - 14	05/17/12	3976.15	-	53.64	0.00	3922.51
MW - 14	08/01/12	3976.15	-	53.75	0.00	3922.40
MW - 14	10/25/12	3976.15	-	53.80	0.00	3922.35
MW - 14	11/29/12	3976.15	-	53.81	0.00	3922.34
MW - 14	02/11/13	3976.15	-	53.73	0.00	3922.42
MW - 14	04/11/13	3976.15	-	53.96	0.00	3922.19
MW - 14	05/06/13	3976.15	-	53.82	0.00	3922.33
MW - 14	05/29/13	3976.15	-	53.93	0.00	3922.22
MW - 14	06/26/13	3976.15	-	53.86	0.00	3922.29
MW - 14	07/31/13	3976.15	-	53.79	0.00	3922.36
MW - 14	08/06/13	3976.15	-	53.82	0.00	3922.33
MW - 14	09/30/13	3976.15	-	53.90	0.00	3922.25

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	11/19/13	3976.15	-	53.96	0.00	3922.19
MW - 14	02/04/14	3976.15	-	53.95	0.00	3922.20
MW - 14	04/28/14	3976.15	-	53.94	0.00	3922.21
MW - 14	05/28/14	3976.15	-	53.96	0.00	3922.19
MW - 14	07/30/14	3976.15	-	54.00	0.00	3922.15
MW - 14	08/23/14	3976.15	-	54.06	0.00	3922.09
MW - 14	10/31/14	3976.15	-	54.04	0.00	3922.11
MW - 14	11/18/14	3976.15	-	54.05	0.00	3922.10
MW - 14	11/18/14	3976.15	-	52.46	0.00	3923.69
MW - 14	01/09/15	3976.15	-	54.02	0.00	3922.13
MW - 14	02/19/15	3976.15	-	54.02	0.00	3922.13
MW - 14	03/31/15	3976.15	-	54.02	0.00	3922.13
MW - 14	04/09/15	3976.15	-	53.96	0.00	3922.19
MW - 14	05/12/15	3976.15	-	53.98	0.00	3922.17
MW - 14	07/27/15	3976.15	-	54.04	0.00	3922.11
MW - 14	08/18/15	3976.15	-	53.92	0.00	3922.23
MW - 14	10/08/15	3976.15	-	54.05	0.00	3922.10
MW - 14	11/23/15	3976.15	-	54.01	0.00	3922.14
MW - 14	01/12/16	3976.15	-	54.07	0.00	3922.08
MW - 14	02/24/16	3976.15	-	54.06	0.00	3922.09
MW - 14	06/13/16	3976.15	-	54.06	0.00	3922.09
MW - 14	08/02/16	3976.15	-	54.18	0.00	3921.97
MW - 14	11/28/16	3976.15	-	54.14	0.00	3922.01
MW - 14	02/21/17	3976.15	-	54.11	0.00	3922.04
MW - 14	05/24/17	3976.15	-	54.08	0.00	3922.07
MW - 14	07/12/17	3976.15	-	54.14	0.00	3922.01
MW - 14	08/11/17	3976.15	-	54.16	0.00	3921.99
MW - 14	10/18/17	3976.15	-	54.21	0.00	3921.94
MW - 14	11/28/17	3976.15	-	54.21	0.00	3921.94
MW - 14	01/16/18	3976.15	-	54.21	0.00	3921.94
MW - 14	02/26/18	3976.15	-	54.18	0.00	3921.97
MW - 14	04/03/18	3976.15	-	54.16	0.00	3921.99
MW - 14	04/17/18	3976.15	-	54.18	0.00	3921.97
MW - 14	05/07/18	3976.15	-	54.20	0.00	3921.95
MW - 14	06/26/18	3976.15	-	54.25	0.00	3921.90
MW - 14	08/09/18	3976.15	-	54.28	0.00	3921.87
MW - 14	11/14/18	3976.15	-	54.31	0.00	3921.84
MW - 14	11/27/18	3976.15	-	54.34	0.00	3921.81
MW - 14	12/18/18	3976.15	-	54.31	0.00	3921.84
MW - 14	02/18/19	3976.15	-	54.33	0.00	3921.82
MW - 14	05/14/19	3976.15	-	54.29	0.00	3921.86
MW - 14	08/19/19	3976.15	-	54.47	0.00	3921.68
MW - 14	11/11/19	3976.15	-	54.49	0.00	3921.66

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	02/18/20	3976.15	-	54.45	0.00	3921.70
MW - 14	05/05/20	3976.15	-	54.46	0.00	3921.69
MW - 14	06/11/20	3976.15	-	54.50	0.00	3921.65
MW - 14	09/23/20	3976.15	-	54.60	0.00	3921.55
MW - 14	12/04/20	3976.15	-	54.62	0.00	3921.53
MW - 15	03/02/00	3974.69	-	53.31	0.00	3921.38
MW - 15	04/25/00	3974.69	-	53.39	0.00	3921.30
MW - 15	09/06/00	3974.69	-	53.45	0.00	3921.24
MW - 15	11/28/00	3974.69	-	53.45	0.00	3921.24
MW - 15	02/21/01	3974.69	-	53.35	0.00	3921.34
MW - 15	05/31/01	3974.69	-	53.25	0.00	3921.44
MW - 15	08/23/01	3974.69	-	53.32	0.00	3921.37
MW - 15	11/21/01	3974.69	-	53.46	0.00	3921.23
MW - 15	02/13/02	3974.69	-	53.39	0.00	3921.30
MW - 15	06/12/02	3974.69	-	53.36	0.00	3921.33
MW - 15	08/26/02	3974.69	-	53.45	0.00	3921.24
MW - 15	11/21/02	3974.69	-	53.42	0.00	3921.27
MW - 15	02/05/03	3974.69	-	53.40	0.00	3921.29
MW - 15	05/07/03	3974.69	-	53.35	0.00	3921.34
MW - 15	08/18/03	3974.69	-	53.41	0.00	3921.28
MW - 15	12/01/03	3974.69	-	53.45	0.00	3921.24
MW - 15	02/05/04	3974.69	-	53.45	0.00	3921.24
MW - 15	05/05/04	3974.69	-	53.42	0.00	3921.27
MW - 15	09/01/04	3974.69	-	53.47	0.00	3921.22
MW - 15	12/15/04	3974.69	-	53.40	0.00	3921.29
MW - 15	03/22/05	3974.69	-	53.19	0.00	3921.50
MW - 15	06/22/05	3974.69	-	53.14	0.00	3921.55
MW - 15	09/21/05	3974.69	-	53.05	0.00	3921.64
MW - 15	12/16/05	3974.69	-	52.99	0.00	3921.70
MW - 15	03/20/06	3974.69	-	52.96	0.00	3921.73
MW - 15	06/21/06	3974.69	-	52.91	0.00	3921.78
MW - 15	09/27/06	3974.69	-	52.88	0.00	3921.81
MW - 15	12/04/06	3974.69	-	52.88	0.00	3921.81
MW - 15	02/09/07	3974.69	-	52.87	0.00	3921.82
MW - 15	02/23/07	3974.69	-	52.80	0.00	3921.89
MW - 15	03/14/07	3974.69	-	52.81	0.00	3921.88
MW - 15	05/29/07	3974.69	-	52.79	0.00	3921.90
MW - 15	08/30/07	3974.69	-	52.77	0.00	3921.92
MW - 15	11/12/07	3974.69	-	52.73	0.00	3921.96
MW - 15	03/07/08	3974.69	-	52.66	0.00	3922.03
MW - 15	06/02/08	3974.69	-	52.60	0.00	3922.09
MW - 15	09/03/08	3974.69	-	52.62	0.00	3922.07

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	12/08/08	3974.69	-	52.62	0.00	3922.07
MW - 15	02/19/09	3974.69	-	52.56	0.00	3922.13
MW - 15	05/20/09	3974.69	-	52.53	0.00	3922.16
MW - 15	08/12/09	3974.69	-	52.53	0.00	3922.16
MW - 15	11/04/09	3974.69	-	52.47	0.00	3922.22
MW - 15	11/11/09	3974.69	-	52.46	0.00	3922.23
MW - 15	11/18/09	3974.69	-	52.50	0.00	3922.19
MW - 15	11/25/09	3974.69	-	52.51	0.00	3922.18
MW - 15	12/02/09	3974.69	-	52.49	0.00	3922.20
MW - 15	01/07/10	3974.69	-	52.50	0.00	3922.19
MW - 15	02/02/10	3974.69	-	52.47	0.00	3922.22
MW - 15	02/11/10	3974.69	-	52.47	0.00	3922.22
MW - 15	05/17/10	3974.69	-	52.59	0.00	3922.10
MW - 15	08/16/10	3974.69	-	52.59	0.00	3922.10
MW - 15	11/10/10	3974.69	-	52.58	0.00	3922.11
MW - 15	02/28/11	3974.69	-	52.59	0.00	3922.10
MW - 15	03/04/11	3974.69	-	52.43	0.00	3922.26
MW - 15	04/28/11	3974.69	-	52.38	0.00	3922.31
MW - 15	05/04/11	3974.69	-	52.37	0.00	3922.32
MW - 15	05/11/11	3974.69	-	52.39	0.00	3922.30
MW - 15	05/12/11	3974.69	-	52.48	0.00	3922.21
MW - 15	05/18/11	3974.69	-	52.51	0.00	3922.18
MW - 15	05/23/11	3974.69	-	52.30	0.00	3922.39
MW - 15	06/08/11	3974.69	-	52.53	0.00	3922.16
MW - 15	06/16/11	3974.69	-	52.46	0.00	3922.23
MW - 15	06/22/11	3974.69	-	52.44	0.00	3922.25
MW - 15	06/30/11	3974.69	-	52.49	0.00	3922.20
MW - 15	07/06/11	3974.69	-	52.48	0.00	3922.21
MW - 15	07/13/11	3974.69	-	52.49	0.00	3922.20
MW - 15	07/15/11	3974.69	-	52.54	0.00	3922.15
MW - 15	07/19/11	3974.69	-	52.50	0.00	3922.19
MW - 15	07/21/11	3974.69	-	52.52	0.00	3922.17
MW - 15	07/26/11	3974.69	-	52.50	0.00	3922.19
MW - 15	07/28/11	3974.69	-	52.58	0.00	3922.11
MW - 15	08/02/11	3974.69	-	52.63	0.00	3922.06
MW - 15	08/09/11	3974.69	-	52.65	0.00	3922.04
MW - 15	08/12/11	3974.69	-	52.70	0.00	3921.99
MW - 15	08/15/11	3974.69	-	52.70	0.00	3921.99
MW - 15	08/16/11	3974.69	-	52.69	0.00	3922.00
MW - 15	08/19/11	3974.69	-	52.72	0.00	3921.97
MW - 15	08/23/11	3974.69	-	52.74	0.00	3921.95
MW - 15	08/26/11	3974.69	-	52.76	0.00	3921.93
MW - 15	08/30/11	3974.69	-	52.50	0.00	3922.19

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	09/01/11	3974.69	-	52.53	0.00	3922.16
MW - 15	09/15/11	3974.69	-	52.58	0.00	3922.11
MW - 15	09/22/11	3974.69	-	52.52	0.00	3922.17
MW - 15	10/11/11	3974.69	-	52.13	0.00	3922.56
MW - 15	10/13/11	3974.69	-	52.64	0.00	3922.05
MW - 15	10/26/11	3974.69	-	52.59	0.00	3922.10
MW - 15	11/22/11	3974.69	-	52.54	0.00	3922.15
MW - 15	12/29/11	3974.69	-	52.46	0.00	3922.23
MW - 15	01/26/12	3974.69	-	52.55	0.00	3922.14
MW - 15	01/31/12	3974.69	-	52.56	0.00	3922.13
MW - 15	02/15/12	3974.69	-	52.50	0.00	3922.19
MW - 15	02/28/12	3974.69	-	52.51	0.00	3922.18
MW - 15	03/20/12	3974.69	-	52.57	0.00	3922.12
MW - 15	03/27/12	3974.69	-	52.54	0.00	3922.15
MW - 15	04/10/12	3974.69	-	52.54	0.00	3922.15
MW - 15	04/19/12	3974.69	-	52.55	0.00	3922.14
MW - 15	04/26/12	3974.69	-	52.49	0.00	3922.20
MW - 15	05/08/12	3974.69	-	52.50	0.00	3922.19
MW - 15	05/15/12	3974.69	-	52.51	0.00	3922.18
MW - 15	05/17/12	3974.69	-	52.49	0.00	3922.20
MW - 15	06/05/12	3974.69	-	52.53	0.00	3922.16
MW - 15	06/21/12	3974.69	-	53.09	0.00	3921.60
MW - 15	06/28/12	3974.69	-	53.16	0.00	3921.53
MW - 15	08/01/12	3974.69	-	52.60	0.00	3922.09
MW - 15	10/02/12	3974.69	-	52.70	0.00	3921.99
MW - 15	10/09/12	3974.69	-	52.75	0.00	3921.94
MW - 15	10/16/12	3974.69	-	52.67	0.00	3922.02
MW - 15	10/25/12	3974.69	-	52.67	0.00	3922.02
MW - 15	10/30/12	3974.69	-	52.68	0.00	3922.01
MW - 15	11/29/12	3974.69	-	52.73	0.00	3921.96
MW - 15	12/14/12	3974.69	-	52.71	0.00	3921.98
MW - 15	02/11/13	3974.69	-	52.65	0.00	3922.04
MW - 15	04/11/13	3974.69	-	52.91	0.00	3921.78
MW - 15	04/15/13	3974.69	-	52.91	0.00	3921.78
MW - 15	04/22/13	3974.69	-	52.66	0.00	3922.03
MW - 15	05/06/13	3974.69	-	52.66	0.00	3922.03
MW - 15	05/09/13	3974.69	-	52.68	0.00	3922.01
MW - 15	05/20/13	3974.69	-	52.69	0.00	3922.00
MW - 15	05/24/13	3974.69	-	52.83	0.00	3921.86
MW - 15	05/29/13	3974.69	-	52.92	0.00	3921.77
MW - 15	05/31/13	3974.69	-	52.82	0.00	3921.87
MW - 15	06/07/13	3974.69	-	52.93	0.00	3921.76
MW - 15	06/12/13	3974.69	-	52.91	0.00	3921.78

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/14/13	3974.69	-	52.86	0.00	3921.83
MW - 15	06/19/13	3974.69	-	52.88	0.00	3921.81
MW - 15	06/21/13	3974.69	-	52.94	0.00	3921.75
MW - 15	06/25/13	3974.69	-	52.75	0.00	3921.94
MW - 15	06/26/13	3974.69	-	52.88	0.00	3921.81
MW - 15	07/03/13	3974.69	-	52.86	0.00	3921.83
MW - 15	07/09/13	3974.69	-	52.87	0.00	3921.82
MW - 15	07/11/13	3974.69	-	52.92	0.00	3921.77
MW - 15	07/24/13	3974.69	-	52.84	0.00	3921.85
MW - 15	07/26/13	3974.69	-	52.88	0.00	3921.81
MW - 15	07/31/13	3974.69	-	52.83	0.00	3921.86
MW - 15	08/02/13	3974.69	-	52.87	0.00	3921.82
MW - 15	08/06/13	3974.69	-	52.78	0.00	3921.91
MW - 15	08/14/13	3974.69	-	52.89	0.00	3921.80
MW - 15	08/21/13	3974.69	-	52.91	0.00	3921.78
MW - 15	08/26/13	3974.69	-	52.87	0.00	3921.82
MW - 15	09/06/13	3974.69	-	52.87	0.00	3921.82
MW - 15	08/30/13	3974.69	-	52.84	0.00	3921.85
MW - 15	09/13/13	3974.69	-	52.80	0.00	3921.89
MW - 15	09/27/13	3974.69	-	52.93	0.00	3921.76
MW - 15	09/30/13	3974.69	-	52.91	0.00	3921.78
MW - 15	10/02/13	3974.69	-	52.92	0.00	3921.77
MW - 15	10/03/13	3974.69	-	52.88	0.00	3921.81
MW - 15	10/11/13	3974.69	-	52.76	0.00	3921.93
MW - 15	10/17/13	3974.69	-	52.79	0.00	3921.90
MW - 15	10/22/13	3974.69	-	52.78	0.00	3921.91
MW - 15	10/24/13	3974.69	-	52.96	0.00	3921.73
MW - 15	10/30/13	3974.69	-	52.92	0.00	3921.77
MW - 15	11/01/13	3974.69	-	52.85	0.00	3921.84
MW - 15	11/04/13	3974.69	-	52.83	0.00	3921.86
MW - 15	11/08/13	3974.69	-	52.95	0.00	3921.74
MW - 15	11/13/13	3974.69	-	52.80	0.00	3921.89
MW - 15	11/15/13	3974.69	-	52.81	0.00	3921.88
MW - 15	11/19/13	3974.69	-	52.79	0.00	3921.90
MW - 15	12/08/13	3974.69	-	52.79	0.00	3921.90
MW - 15	12/12/13	3974.69	-	52.85	0.00	3921.84
MW - 15	12/16/13	3974.69	-	52.83	0.00	3921.86
MW - 15	12/18/13	3974.69	-	52.84	0.00	3921.85
MW - 15	12/23/13	3974.69	-	52.94	0.00	3921.75
MW - 15	12/30/13	3974.69	-	52.89	0.00	3921.80
MW - 15	01/01/14	3974.69	-	52.85	0.00	3921.84
MW - 15	01/06/14	3974.69	-	52.83	0.00	3921.86
MW - 15	01/15/14	3974.69	-	52.98	0.00	3921.71

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	01/17/14	3974.69	-	52.82	0.00	3921.87
MW - 15	01/20/14	3974.69	-	52.80	0.00	3921.89
MW - 15	01/22/14	3974.69	-	53.36	0.00	3921.33
MW - 15	01/29/14	3974.69	-	52.84	0.00	3921.85
MW - 15	02/04/14	3974.69	-	52.81	0.00	3921.88
MW - 15	02/13/14	3974.69	-	52.83	0.00	3921.86
MW - 15	02/21/14	3974.69	-	52.98	0.00	3921.71
MW - 15	02/26/14	3974.69	-	53.00	0.00	3921.69
MW - 15	03/12/14	3974.69	-	52.98	0.00	3921.71
MW - 15	03/14/14	3974.69	-	52.95	0.00	3921.74
MW - 15	03/17/14	3974.69	-	52.94	0.00	3921.75
MW - 15	03/24/14	3974.69	-	52.92	0.00	3921.77
MW - 15	03/26/14	3974.69	-	52.91	0.00	3921.78
MW - 15	04/09/14	3974.69	-	52.79	0.00	3921.90
MW - 15	04/28/14	3974.69	-	52.80	0.00	3921.89
MW - 15	05/28/14	3974.69	-	52.92	0.00	3921.77
MW - 15	06/18/14	3974.69	-	52.83	0.00	3921.86
MW - 15	07/30/14	3974.69	-	52.89	0.00	3921.80
MW - 15	08/23/14	3974.69	-	52.93	0.00	3921.76
MW - 15	10/31/14	3974.69	-	52.94	0.00	3921.75
MW - 15	11/18/14	3974.69	-	52.91	0.00	3921.78
MW - 15	01/09/15	3974.69	-	52.87	0.00	3921.82
MW - 15	02/19/15	3974.69	-	52.90	0.00	3921.79
MW - 15	03/31/15	3974.69	-	52.93	0.00	3921.76
MW - 15	04/09/15	3974.69	-	52.80	0.00	3921.89
MW - 15	05/12/15	3974.69	-	52.84	0.00	3921.85
MW - 15	07/27/15	3974.69	-	52.95	0.00	3921.74
MW - 15	08/18/15	3974.69	-	52.88	0.00	3921.81
MW - 15	10/08/15	3974.69	-	53.03	0.00	3921.66
MW - 15	11/23/15	3974.69	-	52.91	0.00	3921.78
MW - 15	01/12/16	3974.69	-	52.90	0.00	3921.79
MW - 15	02/24/16	3974.69	-	52.90	0.00	3921.79
MW - 15	06/13/16	3974.69	-	52.93	0.00	3921.76
MW - 15	08/02/16	3974.69	-	53.07	0.00	3921.62
MW - 15	11/28/16	3974.69	-	52.98	0.00	3921.71
MW - 15	02/21/17	3974.69	-	52.95	0.00	3921.74
MW - 15	05/24/17	3974.69	-	52.93	0.00	3921.76
MW - 15	07/12/17	3974.69	-	53.05	0.00	3921.64
MW - 15	08/11/17	3974.69	-	53.01	0.00	3921.68
MW - 15	10/18/17	3974.69	-	53.09	0.00	3921.60
MW - 15	11/28/17	3974.69	-	53.06	0.00	3921.63
MW - 15	01/16/18	3974.69	-	53.05	0.00	3921.64
MW - 15	02/26/18	3974.69	-	53.01	0.00	3921.68

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	04/03/18	3974.69	-	53.02	0.00	3921.67
MW - 15	04/17/18	3974.69	-	53.01	0.00	3921.68
MW - 15	05/07/18	3974.69	-	53.11	0.00	3921.58
MW - 15	06/26/18	3974.69	-	53.08	0.00	3921.61
MW - 15	08/09/18	3974.69	-	53.14	0.00	3921.55
MW - 15	09/11/18	3974.69	-	53.15	0.00	3921.54
MW - 15	09/11/18	3974.69	-	53.21	0.00	3921.48
MW - 15	11/14/18	3974.69	-	53.21	0.00	3921.48
MW - 15	12/18/18	3974.69	-	53.12	0.00	3921.57
MW - 15	02/18/19	3974.69	-	53.16	0.00	3921.53
MW - 15	05/14/19	3974.69	-	53.11	0.00	3921.58
MW - 15	08/19/19	3974.69	-	53.30	0.00	3921.39
MW - 15	11/11/19	3974.69	-	53.32	0.00	3921.37
MW - 15	02/18/20	3974.69	-	53.28	0.00	3921.41
MW - 15	05/05/20	3974.69	-	53.31	0.00	3921.38
MW - 15	06/11/20	3974.69	-	53.34	0.00	3921.35
MW - 15	09/23/20	3974.69	-	53.45	0.00	3921.24
MW - 15	12/04/20	3974.69	-	53.47	0.00	3921.22
MW - 16	12/23/02	3975.12	-	53.44	0.00	3921.68
MW - 16	01/10/03	3975.12	-	53.45	0.00	3921.67
MW - 16	05/07/03	3975.12	-	53.38	0.00	3921.74
MW - 16	08/18/03	3975.12	-	53.44	0.00	3921.68
MW - 16	12/01/03	3975.12	-	53.48	0.00	3921.64
MW - 16	02/05/04	3975.12	-	53.48	0.00	3921.64
MW - 16	05/05/04	3975.12	-	53.41	0.00	3921.71
MW - 16	09/01/04	3975.12	-	53.52	0.00	3921.60
MW - 16	12/15/04	3975.12	-	53.48	0.00	3921.64
MW - 16	03/22/05	3975.12	-	53.26	0.00	3921.86
MW - 16	06/22/05	3975.12	-	53.15	0.00	3921.97
MW - 16	09/21/05	3975.12	-	53.08	0.00	3922.04
MW - 16	12/16/05	3975.12	-	53.02	0.00	3922.10
MW - 16	03/20/06	3975.12	-	52.97	0.00	3922.15
MW - 16	06/21/06	3975.12	-	52.94	0.00	3922.18
MW - 16	09/27/06	3975.12	-	52.90	0.00	3922.22
MW - 16	12/04/06	3975.12	-	52.88	0.00	3922.24
MW - 16	03/14/07	3975.12	-	52.84	0.00	3922.28
MW - 16	05/29/07	3975.12	-	52.80	0.00	3922.32
MW - 16	08/30/07	3975.12	-	52.78	0.00	3922.34
MW - 16	11/12/07	3975.12	-	52.73	0.00	3922.39
MW - 16	03/07/08	3975.12	-	52.66	0.00	3922.46
MW - 16	06/02/08	3975.12	-	52.62	0.00	3922.50
MW - 16	09/03/08	3975.12	-	52.63	0.00	3922.49

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	12/08/08	3975.12	-	52.57	0.00	3922.55
MW - 16	02/19/09	3975.12	-	52.58	0.00	3922.54
MW - 16	05/20/09	3975.12	-	52.54	0.00	3922.58
MW - 16	08/12/09	3975.12	-	52.55	0.00	3922.57
MW - 16	11/25/09	3975.12	-	52.51	0.00	3922.61
MW - 16	01/07/10	3975.12	-	52.51	0.00	3922.61
MW - 16	02/11/10	3975.12	-	52.48	0.00	3922.64
MW - 16	05/17/10	3975.12	-	52.60	0.00	3922.52
MW - 16	08/16/10	3975.12	-	52.61	0.00	3922.51
MW - 16	11/10/10	3975.12	-	52.61	0.00	3922.51
MW - 16	02/28/11	3975.12	-	52.60	0.00	3922.52
MW - 16	05/12/11	3975.12	-	52.29	0.00	3922.83
MW - 16	08/15/11	3975.12	-	52.56	0.00	3922.56
MW - 16	11/22/11	3975.12	-	52.40	0.00	3922.72
MW - 16	02/28/12	3975.12	-	52.41	0.00	3922.71
MW - 16	05/17/12	3975.12	-	52.50	0.00	3922.62
MW - 16	08/01/12	3975.12	-	52.61	0.00	3922.51
MW - 16	10/25/12	3975.12	-	52.64	0.00	3922.48
MW - 16	11/29/12	3975.12	-	52.41	0.00	3922.71
MW - 16	02/11/13	3975.12	-	52.59	0.00	3922.53
MW - 16	04/11/13	3975.12	-	52.19	0.00	3922.93
MW - 16	05/06/13	3975.12	-	52.67	0.00	3922.45
MW - 16	05/29/13	3975.12	-	52.42	0.00	3922.70
MW - 16	06/26/13	3975.12	-	52.19	0.00	3922.93
MW - 16	07/31/13	3975.12	-	52.32	0.00	3922.80
MW - 16	08/06/13	3975.12	-	52.42	0.00	3922.70
MW - 16	09/30/13	3975.12	-	52.49	0.00	3922.63
MW - 16	11/19/13	3975.12	-	52.81	0.00	3922.31
MW - 16	02/04/14	3975.12	-	52.81	0.00	3922.31
MW - 16	04/28/14	3975.12	-	52.81	0.00	3922.31
MW - 16	05/28/14	3975.12	-	52.66	0.00	3922.46
MW - 16	07/30/14	3975.12	-	52.80	0.00	3922.32
MW - 16	08/23/14	3975.12	-	52.90	0.00	3922.22
MW - 16	10/31/14	3975.12	-	52.86	0.00	3922.26
MW - 16	11/18/14	3975.12	-	52.90	0.00	3922.22
MW - 16	01/09/15	3975.12	-	52.88	0.00	3922.24
MW - 16	02/19/15	3975.12	-	52.84	0.00	3922.28
MW - 16	03/31/15	3975.12	-	52.72	0.00	3922.40
MW - 16	04/09/15	3975.12	-	52.80	0.00	3922.32
MW - 16	05/12/15	3975.12	-	52.86	0.00	3922.26
MW - 16	07/27/15	3975.12	-	52.72	0.00	3922.40
MW - 16	08/18/15	3975.12	-	52.60	0.00	3922.52
MW - 16	10/08/15	3975.12	-	52.69	0.00	3922.43

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	11/23/15	3975.12	-	52.81	0.00	3922.31
MW - 16	01/12/16	3975.12	-	52.92	0.00	3922.20
MW - 16	02/24/16	3975.12	-	52.90	0.00	3922.22
MW - 16	06/13/16	3975.12	-	52.91	0.00	3922.21
MW - 16	08/02/16	3975.12	-	52.96	0.00	3922.16
MW - 16	11/28/16	3975.12	-	53.00	0.00	3922.12
MW - 16	02/21/17	3975.12	-	52.98	0.00	3922.14
MW - 16	05/24/17	3975.12	-	52.95	0.00	3922.17
MW - 16	07/12/17	3975.12	-	52.95	0.00	3922.17
MW - 16	08/11/17	3975.12	-	52.95	0.00	3922.17
MW - 16	10/18/17	3975.12	-	52.91	0.00	3922.21
MW - 16	11/28/17	3975.12	-	53.07	0.00	3922.05
MW - 16	01/16/18	3975.12	-	53.08	0.00	3922.04
MW - 16	02/26/18	3975.12	-	53.02	0.00	3922.10
MW - 16	04/03/18	3975.12	-	53.01	0.00	3922.11
MW - 16	04/17/18	3975.12	-	53.04	0.00	3922.08
MW - 16	05/07/18	3975.12	-	52.72	0.00	3922.40
MW - 16	06/26/18	3975.12	-	53.10	0.00	3922.02
MW - 16	08/09/18	3975.12	-	53.14	0.00	3921.98
MW - 16	11/14/18	3975.12	-	53.16	0.00	3921.96
MW - 16	12/18/18	3975.12	-	53.19	0.00	3921.93
MW - 16	02/18/18	3975.12	-	53.22	0.00	3921.90
MW - 16	02/18/19	3975.12	-	53.22	0.00	3921.90
MW - 16	05/14/19	3975.12	-	53.16	0.00	3921.96
MW - 16	08/19/19	3975.12	-	53.37	0.00	3921.75
MW - 16	11/11/19	3975.12	-	53.36	0.00	3921.76
MW - 16	02/18/20	3975.12	-	53.30	0.00	3921.82
MW - 16	05/05/20	3975.12	-	53.34	0.00	3921.78
MW - 16	06/11/20	3975.12	-	53.35	0.00	3921.77
MW - 16	09/23/20	3975.12	-	53.44	0.00	3921.68
MW - 16	12/04/20	3975.12	-	53.47	0.00	3921.65
MW - 16	12/24/20	3975.12	-	53.49	0.00	3921.63
MW - 17	12/23/02	3975.93	-	54.41	0.00	3921.52
MW - 17	01/10/03	3975.93	-	54.35	0.00	3921.58
MW - 17	05/07/03	3975.93	-	54.35	0.00	3921.58
MW - 17	08/18/03	3975.93	-	54.36	0.00	3921.57
MW - 17	12/01/03	3975.93	-	54.47	0.00	3921.46
MW - 17	02/05/04	3975.93	-	54.44	0.00	3921.49
MW - 17	05/05/04	3975.93	-	54.42	0.00	3921.51
MW - 17	09/01/04	3975.93	-	54.50	0.00	3921.43
MW - 17	12/15/04	3975.93	-	54.44	0.00	3921.49
MW - 17	03/22/05	3975.93	-	54.23	0.00	3921.70

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	06/22/05	3975.93	-	54.13	0.00	3921.80
MW - 17	09/21/05	3975.93	-	54.56	0.00	3921.37
MW - 17	12/16/05	3975.93	-	54.00	0.00	3921.93
MW - 17	03/20/06	3975.93	-	53.94	0.00	3921.99
MW - 17	08/09/06	PLUGGED & ABANDONED				
MW - 18	05/20/09	-	-	53.72	0.00	-
MW - 18	08/12/09	-	-	53.72	0.00	-
MW - 18	11/25/09	-	-	53.70	0.00	-
MW - 18	01/07/10	-	-	53.70	0.00	-
MW - 18	02/11/10	-	-	53.67	0.00	-
MW - 18	05/17/10	-	-	53.79	0.00	-
MW - 18	08/16/10	-	-	53.79	0.00	-
MW - 18	11/10/10	-	-	53.80	0.00	-
MW - 18	02/28/11	-	-	53.79	0.00	-
MW - 18	05/12/11	-	-	53.65	0.00	-
MW - 18	08/15/11	-	-	53.70	0.00	-
MW - 18	11/22/11	-	-	53.71	0.00	-
MW - 18	02/28/12	-	-	53.69	0.00	-
MW - 18	05/17/12	-	-	53.68	0.00	-
MW - 18	08/01/12	-	-	53.79	0.00	-
MW - 18	10/25/12	-	-	53.84	0.00	-
MW - 18	11/29/12	-	-	53.87	0.00	-
MW - 18	02/11/13	-	-	53.85	0.00	-
MW - 18	04/11/13	-	-	53.95	0.00	-
MW - 18	05/06/13	-	-	53.85	0.00	-
MW - 18	05/29/13	-	-	53.90	0.00	-
MW - 18	06/26/13	-	-	53.94	0.00	-
MW - 18	07/31/13	-	-	53.94	0.00	-
MW - 18	08/06/13	-	-	53.93	0.00	-
MW - 18	09/30/13	-	-	53.99	0.00	-
MW - 18	11/19/13	-	-	54.01	0.00	-
MW - 18	02/04/14	-	-	54.00	0.00	-
MW - 18	04/28/14	-	-	53.99	0.00	-
MW - 18	05/28/14	-	-	54.04	0.00	-
MW - 18	07/30/14	-	-	54.11	0.00	-
MW - 18	08/23/14	-	-	54.12	0.00	-
MW - 18	10/31/14	-	-	54.16	0.00	-
MW - 18	11/18/14	-	-	54.12	0.00	-
MW - 18	01/09/15	-	-	54.07	0.00	-
MW - 18	02/19/15	-	-	54.06	0.00	-
MW - 18	03/31/15	-	-	54.06	0.00	-
MW - 18	04/09/15	-	-	54.03	0.00	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 18	05/12/15	-	-	54.02	0.00	-
MW - 18	07/27/15	-	-	54.10	0.00	-
MW - 18	08/18/15	-	-	54.10	0.00	-
MW - 18	10/08/15	-	-	54.15	0.00	-
MW - 18	11/23/15	-	-	54.10	0.00	-
MW - 18	01/12/16	-	-	54.10	0.00	-
MW - 18	02/24/16	-	-	54.11	0.00	-
MW - 18	06/13/16	-	-	54.12	0.00	-
MW - 18	08/02/16	-	-	54.26	0.00	-
MW - 18	11/28/16	-	-	54.16	0.00	-
MW - 18	02/21/17	-	-	54.15	0.00	-
MW - 18	05/24/17	-	-	54.14	0.00	-
MW - 18	07/12/17	-	-	53.21	0.00	-
MW - 18	08/11/17	-	-	54.21	0.00	-
MW - 18	10/18/17	-	-	54.27	0.00	-
MW - 18	11/28/17	-	-	54.23	0.00	-
MW - 18	01/16/18	-	-	54.24	0.00	-
MW - 18	02/26/18	-	-	54.22	0.00	-
MW - 18	04/03/18	-	-	54.21	0.00	-
MW - 18	04/17/18	-	-	54.21	0.00	-
MW - 18	05/07/18	-	-	54.37	0.00	-
MW - 18	06/26/18	-	-	54.18	0.00	-
MW - 18	08/09/18	-	-	54.32	0.00	-
MW - 18	09/11/18	-	-	54.34	0.00	-
MW - 18	11/14/18	-	-	54.39	0.00	-
MW - 18	12/18/18	-	-	54.34	0.00	-
MW - 18	02/18/19	-	-	54.37	0.00	-
MW - 18	05/14/19	-	-	54.34	0.00	-
MW - 18	08/19/19	-	-	54.53	0.00	-
MW - 18	11/11/19	-	-	54.57	0.00	-
MW - 18	02/18/20	-	-	54.49	0.00	-
MW - 18	05/05/20	-	-	54.50	0.00	-
MW - 18	06/11/20	-	-	54.54	0.00	-
MW - 18	09/23/20	-	-	54.65	0.00	-
MW - 18	12/04/20	-	-	54.66	0.00	-
RW - 1	11/08/02	3970.79	48.44	51.55	3.11	3921.88
RW - 1	11/21/02	3970.79	49.01	49.04	0.03	3921.78
RW - 1	12/27/02	3970.79	48.48	51.37	2.89	3921.88
RW - 1	01/06/03	3970.79	49.48	51.13	1.65	3921.06
RW - 1	01/08/03	3970.79	48.46	51.20	2.74	3921.92
RW - 1	01/10/03	3970.79	48.95	48.97	0.02	3921.84
RW - 1	01/13/03	3970.79	48.65	50.36	1.71	3921.88

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	02/05/03	3970.79	48.51	51.32	2.81	3921.86
RW - 1	02/26/03	3970.79	48.41	51.34	2.93	3921.94
RW - 1	03/04/03	3970.79	48.41	51.34	2.93	3921.94
RW - 1	03/12/03	3970.79	48.44	51.41	2.97	3921.90
RW - 1	03/18/03	3970.79	48.51	51.51	3.00	3921.83
RW - 1	03/25/03	3970.79	48.85	49.04	0.19	3921.91
RW - 1	03/31/03	3970.79	48.92	49.07	0.15	3921.85
RW - 1	04/09/03	3970.79	48.97	49.00	0.03	3921.82
RW - 1	04/14/03	3970.79	sheen	48.99	0.00	3921.80
RW - 1	05/07/03	3970.79	48.39	51.12	2.73	3921.99
RW - 1	05/08/03	3970.79	48.46	51.21	2.75	3921.92
RW - 1	05/13/03	3970.79	48.49	51.32	2.83	3921.88
RW - 1	05/21/03	3970.79	48.57	51.36	2.79	3921.80
RW - 1	05/27/03	3970.79	48.44	51.27	2.83	3921.93
RW - 1	05/28/03	3970.79	48.54	51.45	2.91	3921.81
RW - 1	06/03/03	3970.79	48.52	51.48	2.96	3921.83
RW - 1	06/09/03	3970.79	48.46	51.40	2.94	3921.89
RW - 1	07/01/03	3970.79	48.51	51.40	2.89	3921.85
RW - 1	07/08/03	3970.79	48.53	49.37	0.84	3922.13
RW - 1	07/29/03	3970.79	48.43	51.24	2.81	3921.94
RW - 1	08/04/03	3970.79	48.71	51.60	2.89	3921.65
RW - 1	08/18/03	3970.79	48.69	49.08	0.39	3922.04
RW - 1	08/25/03	3970.79	48.69	51.65	2.96	3921.66
RW - 1	10/01/03	3970.79	48.60	49.12	0.52	3922.11
RW - 1	10/06/03	3970.79	48.97	49.04	0.07	3921.81
RW - 1	10/08/03	3970.79	49.14	50.18	1.04	3921.49
RW - 1	10/15/03	3970.79	49.15	49.75	0.60	3921.55
RW - 1	11/12/03	3970.79	48.12	51.02	2.90	3922.24
RW - 1	11/19/03	3970.79	58.42	51.34	-7.08	3913.43
RW - 1	12/01/03	3970.79	49.21	50.49	1.28	3921.39
RW - 1	12/10/03	3970.79	48.68	50.92	2.24	3921.77
RW - 1	02/05/04	3970.79	49.18	51.71	2.53	3921.23
RW - 1	02/17/04	3970.79	48.71	51.51	2.80	3921.66
RW - 1	02/25/04	3970.79	49.15	51.67	2.52	3921.26
RW - 1	03/09/04	3970.79	48.60	49.32	0.72	3922.08
RW - 1	03/16/04	3970.79	48.62	50.13	1.51	3921.94
RW - 1	03/22/04	3970.79	48.79	51.92	3.13	3921.53
RW - 1	04/07/04	3970.79	48.70	49.22	0.52	3922.01
RW - 1	04/12/04	3970.79	48.68	51.04	2.36	3921.76
RW - 1	04/19/04	3970.79	48.61	49.10	0.49	3922.11
RW - 1	05/05/04	3970.79	48.70	51.51	2.81	3921.67
RW - 1	05/11/04	3970.79	48.83	51.77	2.94	3921.52
RW - 1	06/07/04	3970.79	48.43	51.31	2.88	3921.93

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	11/26/04	3970.79	48.50	51.30	2.80	3921.87
RW - 1	12/02/04	3970.79	48.53	51.22	2.69	3921.86
RW - 1	12/06/04	3970.79	48.72	51.03	2.31	3921.72
RW - 1	12/13/04	3970.79	48.96	51.10	2.14	3921.51
RW - 1	12/15/04	3970.79	48.96	51.10	2.14	3921.51
RW - 1	12/27/04	3970.79	48.46	51.20	2.74	3921.92
RW - 1	01/10/05	3970.79	48.40	51.00	2.60	3922.00
RW - 1	01/18/05	3970.79	48.55	51.05	2.50	3921.87
RW - 1	01/18/05	3970.79	48.75	49.35	0.60	3921.95
RW - 1	01/25/05	3970.79	48.44	50.55	2.11	3922.03
RW - 1	01/27/05	3970.79	48.52	51.10	2.58	3921.88
RW - 1	02/01/05	3970.79	48.50	50.25	1.75	3922.03
RW - 1	02/07/05	3970.79	48.45	50.30	1.85	3922.06
RW - 1	02/11/05	3970.79	48.47	50.27	1.80	3922.05
RW - 1	02/15/05	3970.79	48.35	50.34	1.99	3922.14
RW - 1	02/22/05	3970.79	48.30	50.79	2.49	3922.12
RW - 1	02/24/05	3970.79	48.27	50.79	2.52	3922.14
RW - 1	03/03/05	3970.79	48.52	50.85	2.33	3921.92
RW - 1	03/09/05	3970.79	48.55	50.87	2.32	3921.89
RW - 1	03/22/05	3970.79	48.25	50.95	2.70	3922.14
RW - 1	03/24/05	3970.79	48.25	50.95	2.70	3922.14
RW - 1	03/31/05	3970.79	48.28	50.91	2.63	3922.12
RW - 1	06/22/05	3970.79	48.28	50.18	1.90	3922.23
RW - 1	07/21/05	3970.79	48.15	50.82	2.67	3922.24
RW - 1	08/03/05	3970.79	48.13	50.76	2.63	3922.27
RW - 1	08/12/05	3970.79	48.13	50.78	2.65	3922.26
RW - 1	08/15/05	3970.79	48.22	50.24	2.02	3922.27
RW - 1	08/22/05	3970.79	48.13	50.51	2.38	3922.30
RW - 1	08/30/05	3970.79	48.14	50.62	2.48	3922.28
RW - 1	09/07/05	3970.79	48.14	50.55	2.41	3922.29
RW - 1	09/14/05	3970.79	48.20	50.55	2.35	3922.24
RW - 1	09/20/05	3970.79	48.16	50.40	2.24	3922.29
RW - 1	09/21/05	3970.79	48.22	50.56	2.34	3922.22
RW - 1	09/28/05	3970.79	48.12	50.55	2.43	3922.31
RW - 1	10/06/05	3970.79	48.16	50.51	2.35	3922.28
RW - 1	10/13/05	3970.79	48.15	50.49	2.34	3922.29
RW - 1	10/20/05	3970.79	48.19	50.40	2.21	3922.27
RW - 1	10/26/05	3970.79	48.18	50.35	2.17	3922.28
RW - 1	11/03/05	3970.79	48.10	50.50	2.40	3922.33
RW - 1	11/10/05	3970.79	48.11	50.54	2.43	3922.32
RW - 1	11/16/05	3970.79	48.13	50.40	2.27	3922.32
RW - 1	11/23/05	3970.79	48.17	50.37	2.20	3922.29
RW - 1	11/28/05	3970.79	48.08	50.50	2.42	3922.35

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/05/05	3970.79	48.19	50.30	2.11	3922.28
RW - 1	12/12/05	3970.79	48.15	50.33	2.18	3922.31
RW - 1	12/16/05	3970.79	48.84	49.98	1.14	3921.78
RW - 1	12/19/05	3970.79	48.21	50.35	2.14	3922.26
RW - 1	12/29/05	3970.79	48.12	50.41	2.29	3922.33
RW - 1	01/04/06	3970.79	48.14	50.40	2.26	3922.31
RW - 1	01/10/06	3970.79	48.10	50.53	2.43	3922.33
RW - 1	01/17/06	3970.79	48.10	50.45	2.35	3922.34
RW - 1	01/26/06	3970.79	48.10	50.45	2.35	3922.34
RW - 1	01/31/06	3970.79	48.10	50.42	2.32	3922.34
RW - 1	02/07/06	3970.79	48.11	50.34	2.23	3922.35
RW - 1	02/09/06	3970.79	48.12	50.43	2.31	3922.32
RW - 1	02/13/06	3970.79	48.12	50.45	2.33	3922.32
RW - 1	02/22/06	3970.79	48.13	50.47	2.34	3922.31
RW - 1	02/28/06	3970.79	48.11	50.46	2.35	3922.33
RW - 1	03/07/06	3970.79	48.13	50.39	2.26	3922.32
RW - 1	03/15/06	3970.79	48.09	50.36	2.27	3922.36
RW - 1	03/20/06	3970.79	48.10	50.27	2.17	3922.36
RW - 1	03/22/06	3970.79	48.14	50.43	2.29	3922.31
RW - 1	03/29/06	3970.79	48.09	50.40	2.31	3922.35
RW - 1	04/11/06	3970.79	47.96	50.37	2.41	3922.47
RW - 1	04/18/06	3970.79	48.02	50.31	2.29	3922.43
RW - 1	04/25/06	3970.79	48.05	50.29	2.24	3922.40
RW - 1	05/02/06	3970.79	48.00	50.31	2.31	3922.44
RW - 1	05/09/06	3970.79	48.03	50.21	2.18	3922.43
RW - 1	05/16/06	3970.79	48.05	50.22	2.17	3922.41
RW - 1	05/23/06	3970.79	48.03	50.20	2.17	3922.43
RW - 1	05/31/06	3970.79	48.06	50.18	2.12	3922.41
RW - 1	06/06/06	3970.79	48.10	50.09	1.99	3922.39
RW - 1	06/13/06	3970.79	48.05	50.05	2.00	3922.44
RW - 1	06/20/06	3970.79	48.10	50.10	2.00	3922.39
RW - 1	06/21/06	3970.79	48.26	49.08	0.82	3922.41
RW - 1	07/06/06	3970.79	48.09	50.18	2.09	3922.39
RW - 1	07/12/06	3970.79	48.06	50.17	2.11	3922.41
RW - 1	07/20/06	3970.79	49.89	50.16	0.27	3920.86
RW - 1	07/25/06	3970.79	48.01	50.21	2.20	3922.45
RW - 1	08/01/06	3970.79	48.01	50.23	2.22	3922.45
RW - 1	08/16/06	3970.79	48.01	50.25	2.24	3922.44
RW - 1	08/23/06	3970.79	48.06	50.11	2.05	3922.42
RW - 1	08/28/06	3970.79	48.03	50.03	2.00	3922.46
RW - 1	09/12/06	3970.79	48.09	49.80	1.71	3922.44
RW - 1	09/22/06	3970.79	48.14	49.90	1.76	3922.39
RW - 1	09/27/06	3970.79	48.20	49.60	1.40	3922.38

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	10/06/06	3970.79	48.04	50.00	1.96	3922.46
RW - 1	10/10/06	3970.79	48.20	49.34	1.14	3922.42
RW - 1	10/16/06	3970.79	48.13	49.52	1.39	3922.45
RW - 1	10/26/06	3970.79	48.05	49.83	1.78	3922.47
RW - 1	11/03/06	3970.79	48.18	49.70	1.52	3922.38
RW - 1	11/09/06	3970.79	48.10	49.60	1.50	3922.47
RW - 1	11/16/06	3970.79	48.19	49.16	0.97	3922.45
RW - 1	11/22/06	3970.79	48.20	49.56	1.36	3922.39
RW - 1	12/04/06	3970.79	48.10	49.84	1.74	3922.43
RW - 1	12/08/06	3970.79	48.08	49.99	1.91	3922.42
RW - 1	12/15/06	3970.79	48.09	49.53	1.44	3922.48
RW - 1	01/05/07	3970.79	48.05	50.10	2.05	3922.43
RW - 1	01/12/07	3970.79	48.13	49.70	1.57	3922.42
RW - 1	01/18/07	3970.79	48.11	49.51	1.40	3922.47
RW - 1	01/24/07	3970.79	48.18	49.46	1.28	3922.42
RW - 1	01/29/07	3970.79	48.21	49.33	1.12	3922.41
RW - 1	02/09/07	3970.79	48.03	48.05	0.02	3922.76
RW - 1	02/16/07	3970.79	48.10	49.77	1.67	3922.44
RW - 1	03/02/07	3970.79	48.00	49.82	1.82	3922.52
RW - 1	03/14/07	3970.79	48.11	49.20	1.09	3922.52
RW - 1	03/26/07	3970.79	48.09	49.42	1.33	3922.50
RW - 1	04/03/07	3970.79	47.99	49.80	1.81	3922.53
RW - 1	04/09/07	3970.79	48.01	49.60	1.59	3922.54
RW - 1	04/26/07	3970.79	47.96	49.87	1.91	3922.54
RW - 1	04/30/07	3970.79	48.14	49.05	0.91	3922.51
RW - 1	05/11/07	3970.79	48.01	49.65	1.64	3922.53
RW - 1	05/16/07	3970.79	48.14	49.07	0.93	3922.51
RW - 1	05/22/07	3970.79	48.08	49.03	0.95	3922.57
RW - 1	05/29/07	3970.79	48.06	49.29	1.23	3922.55
RW - 1	06/01/07	3970.79	48.00	49.46	1.46	3922.57
RW - 1	06/08/07	3970.79	48.03	49.37	1.34	3922.56
RW - 1	06/11/07	3970.79	48.17	49.00	0.83	3922.50
RW - 1	06/20/07	3970.79	48.00	49.50	1.50	3922.57
RW - 1	07/10/07	3970.79	48.01	49.56	1.55	3922.55
RW - 1	07/20/07	3970.79	47.99	49.60	1.61	3922.56
RW - 1	07/25/07	3970.79	48.04	49.22	1.18	3922.57
RW - 1	08/01/07	3970.79	48.02	49.24	1.22	3922.59
RW - 1	08/10/07	3970.79	48.02	49.37	1.35	3922.57
RW - 1	08/15/07	3970.79	48.03	49.16	1.13	3922.59
RW - 1	08/30/07	3970.79	47.97	49.61	1.64	3922.57
RW - 1	08/31/07	3970.79	47.97	49.61	1.64	3922.57
RW - 1	09/19/07	3970.79	47.92	49.73	1.81	3922.60
RW - 1	09/27/07	3970.79	47.98	49.39	1.41	3922.60

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	10/01/07	3970.79	48.02	49.06	1.04	3922.61
RW - 1	10/19/07	3970.79	47.92	49.62	1.70	3922.62
RW - 1	10/26/07	3970.79	47.97	49.39	1.42	3922.61
RW - 1	11/12/07	3970.79	47.93	49.58	1.65	3922.61
RW - 1	11/16/07	3970.79	47.92	49.31	1.39	3922.66
RW - 1	11/29/07	3970.79	47.92	50.01	2.09	3922.56
RW - 1	12/13/07	3970.79	47.90	49.54	1.64	3922.64
RW - 1	01/10/08	3970.79	47.90	49.50	1.60	3922.65
RW - 1	01/17/08	3970.79	47.92	49.37	1.45	3922.65
RW - 1	01/22/08	3970.79	47.90	49.43	1.53	3922.66
RW - 1	02/06/08	3970.79	47.09	49.05	1.96	3923.41
RW - 1	2/12/08 #1	3970.79	48.01	48.91	0.90	3922.65
RW - 1	2/12/08 #2	3970.79	48.19	48.21	0.02	3922.60
RW - 1	2/27/08 #1	3970.79	48.00	48.98	0.98	3922.64
RW - 1	2/27/08 #2	3970.79	48.15	48.21	0.06	3922.63
RW - 1	03/07/08	3970.79	47.92	49.21	1.29	3922.68
RW - 1	3/12/08 #1	3970.79	47.92	49.21	1.29	3922.68
RW - 1	3/12/08 #2	3970.79	48.04	48.31	0.27	3922.71
RW - 1	3/20/2008#1	3970.79	48.23	48.50	0.27	3922.52
RW - 1	3/20/08#2	3970.79	48.10	48.45	0.35	3922.64
RW - 1	3/23/08 #1	3970.79	47.99	48.99	1.00	3922.65
RW - 1	3/23/08 #2	3970.79	48.17	48.21	0.04	3922.61
RW - 1	4/2/08 #1	3970.79	47.98	48.92	0.94	3922.67
RW - 1	4/2/08 #2	3970.79	48.09	48.42	0.33	3922.65
RW - 1	4/9/08 #1	3970.79	47.95	48.98	1.03	3922.69
RW - 1	4/9/08 #2	3970.79	48.12	48.15	0.03	3922.67
RW - 1	04/16/08	3970.79	47.98	48.87	0.89	3922.68
RW - 1	04/23/08	3970.79	47.98	48.91	0.93	3922.67
RW - 1	04/30/08	3970.79	47.92	49.07	1.15	3922.70
RW - 1	05/29/08	3970.79	47.97	48.85	0.88	3922.69
RW - 1	06/02/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/03/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	06/11/08	3970.79	47.91	48.99	1.08	3922.72
RW - 1	06/18/08	3970.79	47.96	48.84	0.88	3922.70
RW - 1	06/23/08	3970.79	47.99	48.70	0.71	3922.69
RW - 1	07/01/08	3970.79	47.94	49.02	1.08	3922.69
RW - 1	07/09/08	3970.79	47.95	48.91	0.96	3922.70
RW - 1	07/15/08	3970.79	47.98	48.76	0.78	3922.69
RW - 1	07/22/08	3970.79	47.94	49.00	1.06	3922.69
RW - 1	08/02/08	3970.79	47.92	48.96	1.04	3922.71
RW - 1	08/13/08	3970.79	47.90	49.03	1.13	3922.72
RW - 1	09/03/08	3970.79	47.83	49.22	1.39	3922.75
RW - 1	09/11/08	3970.79	47.94	48.86	0.92	3922.71

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	09/19/08	3970.79	47.91	48.85	0.94	3922.74
RW - 1	09/26/08	3970.79	47.89	49.00	1.11	3922.73
RW - 1	10/10/08	3970.79	47.91	48.84	0.93	3922.74
RW - 1	10/17/08	3970.79	47.74	47.93	0.19	3923.02
RW - 1	10/21/08	3970.79	47.95	48.52	0.57	3922.75
RW - 1	10/30/08	3970.79	47.89	48.95	1.06	3922.74
RW - 1	11/04/08	3970.79	48.00	48.61	0.61	3922.70
RW - 1	11/18/08	3970.79	47.91	49.03	1.12	3922.71
RW - 1	11/25/08	3970.79	47.90	49.12	1.22	3922.71
RW - 1	11/25/08	3970.79	48.70	48.72	0.02	3922.09
RW - 1	12/10/08	3970.79	47.87	49.05	1.18	3922.74
RW - 1	12/18/08	3970.79	47.84	49.10	1.26	3922.76
RW - 1	01/06/09	3970.79	47.84	49.07	1.23	3922.77
RW - 1	01/14/09	3970.79	47.09	48.75	1.66	3923.45
RW - 1	01/21/09	3970.79	47.91	48.84	0.93	3922.74
RW - 1	01/22/09	3970.79	48.00	48.21	0.21	3922.76
RW - 1	01/30/09	3970.79	47.91	48.74	0.83	3922.76
RW - 1	02/03/09	3970.79	47.99	48.57	0.58	3922.71
RW - 1	02/12/09	3970.79	47.89	48.91	1.02	3922.75
RW - 1	02/19/09	3970.79	47.85	49.00	1.15	3922.77
RW - 1	03/04/09	3970.79	47.92	48.97	1.05	3922.71
RW - 1	03/06/09	3970.79	47.82	49.00	1.18	3922.79
RW - 1	03/11/09	3970.79	47.94	48.60	0.66	3922.75
RW - 1	03/16/09	3970.79	47.95	49.00	1.05	3922.68
RW - 1	03/19/09	3970.79	47.90	48.72	0.82	3922.77
RW - 1	03/24/09	3970.79	47.89	48.49	0.60	3922.81
RW - 1	04/03/09	3970.79	47.85	48.90	1.05	3922.78
RW - 1	04/15/09	3970.79	47.86	48.80	0.94	3922.79
RW - 1	04/17/09	3970.79	47.98	48.25	0.27	3922.77
RW - 1	04/22/09	3970.79	47.83	48.88	1.05	3922.80
RW - 1	04/29/09	3970.79	47.84	48.79	0.95	3922.81
RW - 1	05/20/09	3970.79	47.82	48.88	1.06	3922.81
RW - 1	06/09/09	3970.79	47.82	48.95	1.13	3922.80
RW - 1	06/17/09	3970.79	47.88	48.81	0.93	3922.77
RW - 1	06/23/09	3970.79	47.83	48.87	1.04	3922.80
RW - 1	07/01/09	3970.79	47.82	48.88	1.06	3922.81
RW - 1	07/08/09	3970.79	47.89	48.61	0.72	3922.79
RW - 1	07/15/09	3970.79	47.86	48.64	0.78	3922.81
RW - 1	07/17/09	3970.79	47.91	48.60	0.69	3922.78
RW - 1	07/23/09	3970.79	47.83	48.88	1.05	3922.80
RW - 1	07/24/09	3970.79	47.96	48.17	0.21	3922.80
RW - 1	07/30/09	3970.79	47.91	48.60	0.69	3922.78
RW - 1	08/04/09	3970.79	47.91	48.48	0.57	3922.79

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	08/12/09	3970.79	47.88	48.73	0.85	3922.78
RW - 1	08/20/09	3970.79	47.92	48.75	0.83	3922.75
RW - 1	08/26/09	3970.79	47.83	48.80	0.97	3922.81
RW - 1	09/02/09	3970.79	47.87	48.75	0.88	3922.79
RW - 1	09/09/09	3970.79	47.90	48.61	0.71	3922.78
RW - 1	09/14/09	3970.79	47.92	48.45	0.53	3922.79
RW - 1	09/21/09	3970.79	47.86	48.71	0.85	3922.80
RW - 1	10/01/09	3970.79	47.88	48.84	0.96	3922.77
RW - 1	10/08/09	3970.79	47.90	48.76	0.86	3922.76
RW - 1	10/14/09	3970.79	47.87	48.70	0.83	3922.80
RW - 1	10/21/09	3970.79	47.82	48.59	0.77	3922.85
RW - 1	10/28/09	3970.79	47.85	48.69	0.84	3922.81
RW - 1	11/04/09	3970.79	47.90	48.63	0.73	3922.78
RW - 1	11/11/09	3970.79	47.87	48.60	0.73	3922.81
RW - 1	11/18/09	3970.79	47.88	48.61	0.73	3922.80
RW - 1	11/25/09	3970.79	47.90	48.58	0.68	3922.79
RW - 1	12/02/09	3970.79	47.86	48.80	0.94	3922.79
RW - 1	12/10/09	3970.79	47.87	48.61	0.74	3922.81
RW - 1	12/17/09	3970.79	47.94	48.59	0.65	3922.75
RW - 1	12/21/09	3970.79	47.87	48.52	0.65	3922.82
RW - 1	12/30/09	3970.79	48.02	48.49	0.47	3922.70
RW - 1	01/07/10	3970.79	47.95	48.20	0.25	3922.80
RW - 1	01/18/10	3970.79	47.91	48.28	0.37	3922.82
RW - 1	02/02/10	3970.79	47.88	48.55	0.67	3922.81
RW - 1	02/11/10	3970.79	47.84	48.51	0.67	3922.85
RW - 1	02/18/10	3970.79	47.82	48.60	0.78	3922.85
RW - 1	02/25/10	3970.79	47.99	48.34	0.35	3922.75
RW - 1	03/02/10	3970.79	48.05	48.28	0.23	3922.71
RW - 1	03/04/10	3970.79	47.97	48.10	0.13	3922.80
RW - 1	03/10/10	3970.79	47.93	48.26	0.33	3922.81
RW - 1	03/12/10	3970.79	47.98	48.37	0.39	3922.75
RW - 1	03/15/10	3970.79	48.00	48.10	0.10	3922.78
RW - 1	03/18/10	3970.79	47.88	48.42	0.54	3922.83
RW - 1	03/22/10	3970.79	48.00	48.23	0.23	3922.76
RW - 1	05/17/10	3970.79	50.39	50.48	0.09	3920.39
RW - 1	05/20/10	3970.79	50.08	50.39	0.31	3920.66
RW - 1	03/04/11	3970.79	50.30	50.62	0.32	3920.44
RW - 1	05/12/11	3970.79	48.55	49.30	0.75	3922.13
RW - 1	08/02/11	3970.79	51.80	52.10	0.30	3918.95
RW - 1	08/09/11	3970.79	49.80	50.42	0.62	3920.90
RW - 1	08/12/11	3970.79	-	49.20	0.00	3921.59
RW - 1	08/15/11	3970.79	-	49.20	0.00	3921.59
RW - 1	08/23/11	3970.79	51.60	52.30	0.70	3919.09

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	08/26/11	3970.79	48.11	48.90	0.79	3922.56
RW - 1	11/22/11	3970.79	49.10	50.04	0.94	3921.55
RW - 1	12/02/11	3970.79	47.82	48.80	0.98	3922.82
RW - 1	12/29/11	3970.79	47.93	48.66	0.73	3922.75
RW - 1	01/26/12	3970.79	48.75	50.46	1.71	3921.78
RW - 1	02/28/12	3970.79	49.24	51.24	2.00	3921.25
RW - 1	05/17/12	3970.79	47.82	49.02	1.20	3922.79
RW - 1	08/01/12	3970.79	47.94	49.13	1.19	3922.67
RW - 1	10/25/12	3970.79	47.96	49.39	1.43	3922.62
RW - 1	11/29/12	3970.79	47.97	49.62	1.65	3922.57
RW - 1	02/11/13	3970.79	47.86	49.79	1.93	3922.64
RW - 1	04/11/13	3970.79	-	48.41	0.00	3922.38
RW - 1	05/06/13	3970.79	47.98	49.25	1.27	3922.62
RW - 1	05/29/13	3970.79	-	48.33	0.00	3922.46
RW - 1	06/26/13	3970.79	-	49.73	0.00	3921.06
RW - 1	07/31/13	3970.79	48.13	49.15	1.02	3922.51
RW - 1	08/06/13	3970.79	48.30	48.37	0.07	3922.48
RW - 1	09/30/13	3970.79	48.21	48.96	0.75	3922.47
RW - 1	11/18/13	3970.79	48.23	48.76	0.53	3922.48
RW - 1	02/04/14	3970.79	48.29	48.54	0.25	3922.46
RW - 1	05/28/14	3970.79	48.18	49.66	1.48	3922.39
RW - 1	07/30/14	3970.79	48.36	48.44	0.08	3922.42
RW - 1	08/23/14	3970.79	-	49.66	0.00	3921.13
RW - 1	09/10/14	3970.79	48.50	48.80	0.30	3922.25
RW - 1	09/23/14	3970.79	48.59	48.79	0.20	3922.17
RW - 1	10/31/14	3970.79	48.32	48.60	0.28	3922.43
RW - 1	11/18/14	3970.79	48.42	48.60	0.18	3922.34
RW - 1	01/05/15	3970.79	52.80	53.17	0.37	3917.93
RW - 1	01/09/15	3970.79	48.29	48.98	0.69	3922.40
RW - 1	01/14/15	3970.79	48.31	49.15	0.84	3922.35
RW - 1	01/21/15	3970.79	52.84	53.18	0.34	3917.90
RW - 1	02/11/15	3970.79	52.83	53.18	0.35	3917.91
RW - 1	02/19/15	3970.79	49.00	50.10	1.10	3921.63
RW - 1	03/09/15	3970.79	52.86	53.20	0.34	3917.88
RW - 1	03/11/15	3970.79	53.13	53.48	0.35	3917.61
RW - 1	03/31/15	3970.79	52.86	53.20	0.34	3917.88
RW - 1	04/09/15	3970.79	48.34	48.40	0.06	3922.44
RW - 1	04/15/15	3970.79	48.31	48.45	0.14	3922.46
RW - 1	04/22/15	3970.79	48.33	48.64	0.31	3922.41
RW - 1	05/12/15	3970.79	48.29	48.87	0.58	3922.41
RW - 1	05/26/15	3970.79	52.81	53.15	0.34	3917.93
RW - 1	06/01/15	3970.79	48.28	48.81	0.53	3922.43
RW - 1	06/04/15	3970.79	48.28	48.66	0.38	3922.45

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	07/27/15	3970.79	48.45	49.07	0.62	3922.25
RW - 1	08/18/15	3970.79	48.14	49.39	1.25	3922.46
RW - 1	10/08/15	3970.79	48.48	49.13	0.65	3922.21
RW - 1	10/21/15	3970.79	48.35	48.39	0.04	3922.43
RW - 1	11/23/15	3970.79	48.38	49.57	1.19	3922.23
RW - 1	01/12/16	3970.79	48.46	50.10	1.64	3922.08
RW - 1	02/11/16	3970.79	48.13	50.00	1.87	3922.38
RW - 1	02/24/16	3970.79	48.12	49.96	1.84	3922.39
RW - 1	06/13/16	3970.79	48.90	50.95	2.05	3921.58
RW - 1	08/02/16	3970.79	48.20	50.17	1.97	3922.29
RW - 1	11/28/16	3970.79	48.27	49.78	1.51	3922.29
RW - 1	02/21/17	3970.79	48.19	50.16	1.97	3922.30
RW - 1	05/24/17	3970.79	48.18	50.29	2.11	3922.29
RW - 1	07/12/17	3970.79	48.89	49.91	1.02	3921.75
RW - 1	08/11/17	3970.79	48.83	49.81	0.98	3921.81
RW - 1	10/18/17	3970.79	49.55	52.18	2.63	3920.85
RW - 1	11/28/17	3970.79	48.29	50.28	1.99	3922.20
RW - 1	12/19/17	3970.79	48.30	49.92	1.62	3922.25
RW - 1	01/16/18	3970.79	48.30	50.21	1.91	3922.20
RW - 1	02/26/18	3970.79	48.40	49.40	1.00	3922.24
RW - 1	04/03/18	3970.79	48.42	49.36	0.94	3922.23
RW - 1	04/17/18	3970.79	48.23	50.00	1.77	3922.29
RW - 1	05/07/18	3970.79	48.41	49.56	1.15	3922.21
RW - 1	06/26/18	3970.79	48.31	50.16	1.85	3922.20
RW - 1	07/12/18	3970.79	48.61	50.52	1.91	3921.89
RW - 1	08/01/18	3970.79	48.29	49.89	1.60	3922.26
RW - 1	08/09/18	3970.79	48.34	49.49	1.15	3922.28
RW - 1	08/23/18	3970.79	48.30	50.23	1.93	3922.20
RW - 1	08/30/18	3970.79	48.41	50.04	1.63	3922.14
RW - 1	08/31/18	3970.79	48.54	49.82	1.28	3922.06
RW - 1	09/11/18	3970.79	48.51	49.33	0.82	3922.16
RW - 1	09/13/18	3970.79	48.52	49.51	0.99	3922.12
RW - 1	09/19/18	3970.79	48.54	49.29	0.75	3922.14
RW - 1	09/26/18	3970.79	48.51	49.53	1.02	3922.13
RW - 1	10/04/18	3970.79	48.47	49.50	1.03	3922.17
RW - 1	11/14/18	3970.79	48.44	48.73	0.29	3922.31
RW - 1	12/18/18	3970.79	48.99	50.92	1.93	3921.51
RW - 1	02/18/19	3970.79	48.59	50.57	1.98	3921.90
RW - 1	05/14/19	3970.79	48.27	49.66	1.39	3922.31
RW - 1	08/19/19	3970.79	49.63	50.51	0.88	3921.03
RW - 1	11/11/19	3970.79	49.65	50.54	0.89	3921.01
RW - 1	01/08/20	3970.79	48.45	50.49	2.04	3922.03
RW - 1	02/18/20	3970.79	48.49	50.49	2.00	3922.00

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	05/05/20	3970.79	48.42	50.49	2.07	3922.06
RW - 1	06/11/20	3970.79	48.50	50.99	2.49	3921.92
RW - 1	09/23/20	3970.79	48.53	51.31	2.78	3921.84
RW - 1	12/04/20	3970.79	48.59	51.05	2.46	3921.83
RW - 2	05/20/10	-	-	54.42	0.00	-
RW - 2	03/04/11	-	sheen	54.05	0.00	-
RW - 2	05/12/11	-	-	52.69	0.00	-
RW - 2	08/02/11	-	sheen	55.00	0.00	-
RW - 2	08/09/11	-	sheen	55.50	0.00	-
RW - 2	08/12/11	-	sheen	54.07	0.00	-
RW - 2	08/15/11	-	sheen	54.01	0.00	-
RW - 2	08/23/11	-	sheen	53.92	0.00	-
RW - 2	08/26/11	-	sheen	52.75	0.00	-
RW - 2	12/02/11	-	52.60	52.93	0.33	-
RW - 2	12/29/11	-	52.62	52.96	0.34	-
RW - 2	01/26/12	-	52.89	53.13	0.24	-
RW - 2	02/28/12	-	52.55	53.18	0.63	-
RW - 2	05/17/12	-	52.47	53.31	0.84	-
RW - 2	08/01/12	-	52.59	53.42	0.83	-
RW - 2	10/25/12	-	52.65	53.53	0.88	-
RW - 2	11/29/12	-	52.73	53.56	0.83	-
RW - 2	02/11/13	-	52.76	52.86	0.10	-
RW - 2	04/11/13	-	53.05	53.07	0.02	-
RW - 2	05/06/13	-	52.77	52.89	0.12	-
RW - 2	05/29/13	-	53.00	53.09	0.09	-
RW - 2	06/26/13	-	53.04	53.29	0.25	-
RW - 2	07/31/13	-	52.89	53.09	0.20	-
RW - 2	08/06/13	-	52.89	53.03	0.14	-
RW - 2	09/30/13	-	52.95	53.14	0.19	-
RW - 2	11/18/13	-	52.90	53.18	0.28	-
RW - 2	02/04/14	-	52.86	53.19	0.33	-
RW - 2	04/28/14	-	52.83	53.41	0.58	-
RW - 2	05/28/14	-	52.96	53.35	0.39	-
RW - 2	07/30/14	-	53.10	53.28	0.18	-
RW - 2	08/23/14	-	53.35	53.47	0.12	-
RW - 2	09/10/14	-	53.07	53.40	0.33	-
RW - 2	09/23/14	-	53.00	53.30	0.30	-
RW - 2	10/31/14	-	52.99	53.24	0.25	-
RW - 2	11/18/14	-	52.90	53.27	0.37	-
RW - 2	01/05/15	-	52.73	53.48	0.75	-
RW - 2	01/09/15	-	52.98	53.15	0.17	-
RW - 2	01/14/15	-	53.00	53.17	0.17	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	01/21/15	-	52.76	53.47	0.71	-
RW - 2	02/11/15	-	52.74	53.46	0.72	-
RW - 2	02/19/15	-	53.28	53.32	0.04	-
RW - 2	03/09/15	-	52.73	53.46	0.73	-
RW - 2	03/11/15	-	52.96	53.14	0.18	-
RW - 2	03/31/15	-	52.77	53.49	0.72	-
RW - 2	04/09/15	-	52.93	53.12	0.19	-
RW - 2	04/15/15	-	52.93	53.23	0.30	-
RW - 2	04/22/15	-	52.92	53.22	0.30	-
RW - 2	05/12/15	-	52.98	53.15	0.17	-
RW - 2	05/26/15	-	52.74	53.45	0.71	-
RW - 2	06/01/15	-	52.96	53.08	0.12	-
RW - 2	06/04/15	-	52.96	53.13	0.17	-
RW - 2	07/27/15	-	53.14	53.19	0.05	-
RW - 2	08/18/15	-	52.95	53.11	0.16	-
RW - 2	10/08/15	-	53.17	53.65	0.48	-
RW - 2	10/21/15	-	53.02	53.45	0.43	-
RW - 2	11/23/15	-	52.45	53.60	1.15	-
RW - 2	01/12/16	-	53.09	53.42	0.33	-
RW - 2	02/11/16	-	52.99	53.52	0.53	-
RW - 2	02/24/16	-	51.90	53.58	1.68	-
RW - 2	06/13/16	-	52.99	53.29	0.30	-
RW - 2	08/02/16	-	53.09	53.56	0.47	-
RW - 2	11/28/16	-	53.03	53.38	0.35	-
RW - 2	02/21/17	-	53.01	53.30	0.29	-
RW - 2	05/24/17	-	53.02	53.37	0.35	-
RW - 2	07/12/17	-	53.02	53.37	0.35	-
RW - 2	10/18/17	-	53.14	53.71	0.57	-
RW - 2	11/28/17	-	53.10	53.64	0.54	-
RW - 2	12/19/17	-	53.10	53.65	0.55	-
RW - 2	01/16/18	-	53.12	53.53	0.41	-
RW - 2	02/26/18	-	53.22	53.54	0.32	-
RW - 2	04/03/18	-	53.24	53.57	0.33	-
RW - 2	04/17/18	-	53.08	53.47	0.39	-
RW - 2	05/07/18	-	53.18	53.54	0.36	-
RW - 2	06/26/18	-	53.11	53.53	0.42	-
RW - 2	07/12/18	-	53.16	53.59	0.43	-
RW - 2	08/01/18	-	53.23	53.70	0.47	-
RW - 2	08/09/18	-	52.17	53.64	1.47	-
RW - 2	08/23/18	-	53.18	53.69	0.51	-
RW - 2	08/30/18	-	53.21	53.78	0.57	-
RW - 2	08/31/18	-	53.21	53.67	0.46	-
RW - 2	08/31/18	-	53.61	54.84	1.23	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	09/11/18	-	53.27	53.39	0.12	-
RW - 2	09/13/18	-	53.29	53.35	0.06	-
RW - 2	09/19/18	-	53.27	53.35	0.08	-
RW - 2	09/26/18	-	53.26	53.36	0.10	-
RW - 2	10/04/18	-	53.28	53.33	0.05	-
RW - 2	11/14/18	-	53.29	53.32	0.03	-
RW - 2	12/18/18	-	53.27	53.37	0.10	-
RW - 2	02/18/19	-	53.27	53.38	0.11	-
RW - 2	05/14/19	-	53.25	53.40	0.15	-
RW - 2	08/19/19	-	53.34	53.43	0.09	-
RW - 2	11/11/19	-	53.34	53.48	0.14	-
RW - 2	01/08/20	-	53.38	53.62	0.24	-
RW - 2	02/18/20	-	53.42	53.63	0.21	-
RW - 2	05/05/20	-	53.37	53.71	0.34	-
RW - 2	06/11/20	-	53.41	53.80	0.39	-
RW - 2	09/23/20	-	53.55	53.61	0.06	-
RW - 2	12/04/20	-	53.57	53.58	0.01	-
RW - 3	05/20/10	-	54.73	58.80	4.07	-
RW - 3	03/04/11	-	54.66	55.70	1.04	-
RW - 3	05/12/11	-	53.84	54.65	0.81	-
RW - 3	08/02/11	-	54.35	55.32	0.97	-
RW - 3	08/09/11	-	54.24	55.50	1.26	-
RW - 3	08/12/11	-	54.26	55.65	1.39	-
RW - 3	08/15/11	-	54.24	55.50	1.26	-
RW - 3	08/23/11	-	53.92	54.85	0.93	-
RW - 3	08/26/11	-	53.07	53.95	0.88	-
RW - 3	12/02/11	-	53.01	53.97	0.96	-
RW - 3	12/29/11	-	53.11	53.84	0.73	-
RW - 3	01/26/12	-	53.55	54.08	0.53	-
RW - 3	02/28/12	-	53.00	54.14	1.14	-
RW - 3	05/17/12	-	53.10	53.62	0.52	-
RW - 3	08/01/12	-	53.22	53.74	0.52	-
RW - 3	10/25/12	-	53.13	54.32	1.19	-
RW - 3	11/29/12	-	53.26	53.87	0.61	-
RW - 3	02/11/13	-	53.16	54.00	0.84	-
RW - 3	04/11/13	-	53.44	54.19	0.75	-
RW - 3	05/06/13	-	53.18	54.10	0.92	-
RW - 3	05/29/13	-	53.35	54.16	0.81	-
RW - 3	06/26/13	-	53.38	54.26	0.88	-
RW - 3	07/31/13	-	53.20	54.55	1.35	-
RW - 3	08/06/13	-	53.19	54.66	1.47	-
RW - 3	09/30/13	-	53.27	54.71	1.44	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	11/18/13	-	52.22	53.72	1.50	-
RW - 3	02/04/14	-	53.24	54.21	0.97	-
RW - 3	04/28/14	-	53.12	55.14	2.02	-
RW - 3	05/28/14	-	53.19	55.55	2.36	-
RW - 3	07/30/14	-	52.58	53.03	0.45	-
RW - 3	08/23/14	-	52.98	53.71	0.73	-
RW - 3	09/10/14	-	53.62	53.78	0.16	-
RW - 3	09/23/14	-	53.58	53.98	0.40	-
RW - 3	10/31/14	-	53.53	53.67	0.14	-
RW - 3	11/18/14	-	53.55	53.73	0.18	-
RW - 3	01/05/15	-	52.77	53.54	0.77	-
RW - 3	01/09/15	-	53.48	53.86	0.38	-
RW - 3	01/14/15	-	53.48	53.86	0.38	-
RW - 3	01/21/15	-	52.78	53.56	0.78	-
RW - 3	02/11/15	-	52.77	53.54	0.77	-
RW - 3	02/19/15	-	53.47	53.98	0.51	-
RW - 3	03/09/15	-	52.75	53.55	0.80	-
RW - 3	03/11/15	-	53.42	54.14	0.72	-
RW - 3	03/31/15	-	52.78	53.57	0.79	-
RW - 3	04/09/15	-	53.36	54.20	0.84	-
RW - 3	04/15/15	-	53.34	54.30	0.96	-
RW - 3	04/22/15	-	53.33	54.34	1.01	-
RW - 3	05/12/15	-	53.39	54.10	0.71	-
RW - 3	05/26/15	-	52.84	53.52	0.68	-
RW - 3	06/01/15	-	53.42	54.02	0.60	-
RW - 3	06/04/15	-	53.40	54.04	0.64	-
RW - 3	07/27/15	-	53.48	54.45	0.97	-
RW - 3	08/18/15	-	53.09	54.45	1.36	-
RW - 3	10/08/15	-	53.38	54.99	1.61	-
RW - 3	10/21/15	-	53.28	55.05	1.77	-
RW - 3	11/23/15	-	52.55	52.57	0.02	-
RW - 3	01/12/16	-	53.35	55.10	1.75	-
RW - 3	02/11/16	-	53.48	54.18	0.70	-
RW - 3	02/24/16	-	53.48	54.05	0.57	-
RW - 3	06/13/16	-	53.43	54.46	1.03	-
RW - 3	08/02/16	-	53.49	54.46	0.97	-
RW - 3	11/28/16	-	53.44	54.37	0.93	-
RW - 3	02/21/17	-	53.39	54.63	1.24	-
RW - 3	05/24/17	-	53.34	54.88	1.54	-
RW - 3	07/12/17	-	53.37	54.90	1.53	-
RW - 3	08/11/17	-	53.57	54.85	1.28	-
RW - 3	10/18/17	-	53.52	55.25	1.73	-
RW - 3	11/28/17	-	53.43	55.04	1.61	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	12/19/17	-	53.44	55.07	1.63	-
RW - 3	01/16/18	-	53.46	55.02	1.56	-
RW - 3	02/26/18	-	53.52	54.40	0.88	-
RW - 3	04/03/18	-	53.42	55.16	1.74	-
RW - 3	04/17/18	-	53.43	54.97	1.54	-
RW - 3	05/07/18	-	53.52	54.15	0.63	-
RW - 3	06/26/18	-	53.52	54.83	1.31	-
RW - 3	07/12/18	-	53.51	55.10	1.59	-
RW - 3	08/01/18	-	53.51	55.25	1.74	-
RW - 3	08/09/18	-	53.62	54.59	0.97	-
RW - 3	08/23/18	-	53.64	54.74	1.10	-
RW - 3	08/30/18	-	53.62	54.80	1.18	-
RW - 3	09/11/18	-	53.76	54.11	0.35	-
RW - 3	09/13/18	-	53.75	54.09	0.34	-
RW - 3	09/19/18	-	53.78	54.05	0.27	-
RW - 3	09/26/18	-	53.77	54.10	0.33	-
RW - 3	10/04/18	-	53.76	54.12	0.36	-
RW - 3	11/14/18	-	53.72	53.88	0.16	-
RW - 3	12/18/18	-	53.66	54.65	0.99	-
RW - 3	02/18/19	-	53.49	55.01	1.52	-
RW - 3	05/14/19	-	53.46	55.46	2.00	-
RW - 3	08/19/19	-	53.67	55.63	1.96	-
RW - 3	11/11/19	-	53.72	55.64	1.92	-
RW - 3	01/08/20	-	53.55	55.95	2.40	-
RW - 3	02/18/20	-	53.63	55.94	2.31	-
RW - 3	05/05/20	-	53.59	55.91	2.32	-
RW - 3	06/11/20	-	53.57	56.12	2.55	-
RW - 3	09/23/20	-	53.60	56.63	3.03	-
RW - 3	12/04/20	-	53.61	56.62	3.01	-
RW - 4	05/20/10	-	55.62	59.23	3.61	-
RW - 4	03/04/11	-	53.13	55.08	1.95	-
RW - 4	05/12/11	-	53.58	55.35	1.77	-
RW - 4	08/02/11	-	55.71	58.75	3.04	-
RW - 4	08/09/11	-	55.02	58.91	3.89	-
RW - 4	08/12/11	-	54.40	58.55	4.15	-
RW - 4	08/15/11	-	55.02	58.91	3.89	-
RW - 4	08/23/11	-	54.42	57.62	3.20	-
RW - 4	08/26/11	-	52.93	55.20	2.27	-
RW - 4	12/02/11	-	52.69	55.52	2.83	-
RW - 4	12/29/11	-	52.83	55.21	2.38	-
RW - 4	01/26/12	-	52.99	55.36	2.37	-
RW - 4	02/28/12	-	52.94	55.00	2.06	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	05/17/12	-	52.85	54.81	1.96	-
RW - 4	08/01/12	-	52.97	54.92	1.95	-
RW - 4	10/25/12	-	53.03	54.91	1.88	-
RW - 4	11/29/12	-	53.07	55.00	1.93	-
RW - 4	02/11/13	-	52.99	54.92	1.93	
RW - 4	04/11/13	-	53.22	55.13	1.91	-
RW - 4	05/06/13	-	53.07	54.76	1.69	-
RW - 4	05/29/13	-	53.19	55.05	1.86	-
RW - 4	06/26/13	-	52.83	56.36	3.53	-
RW - 4	07/31/13	-	52.47	57.93	5.46	-
RW - 4	08/06/13	-	52.40	58.42	6.02	-
RW - 4	09/30/13	-	52.72	57.32	4.60	-
RW - 4	11/18/13	-	53.15	55.15	2.00	-
RW - 4	02/04/14	-	53.14	55.11	1.97	-
RW - 4	04/28/14	-	53.10	55.57	2.47	-
RW - 4	05/28/14	-	53.08	56.15	3.07	-
RW - 4	07/30/14	-	53.66	54.20	0.54	-
RW - 4	08/23/14	-	-	53.94	0.00	-
RW - 4	09/10/14	-	53.54	54.40	0.86	-
RW - 4	09/23/14	-	53.46	54.80	1.34	-
RW - 4	10/31/14	-	53.50	53.85	0.35	-
RW - 4	11/18/14	-	53.49	54.19	0.70	-
RW - 4	01/05/15	-	52.71	53.74	1.03	-
RW - 4	01/09/15	-	53.42	54.37	0.95	-
RW - 4	01/14/15	-	53.42	54.45	1.03	-
RW - 4	01/21/15	-	-	53.67	0.00	-
RW - 4	02/11/15	-	52.72	53.70	0.98	-
RW - 4	02/19/15	-	53.55	54.10	0.55	-
RW - 4	03/09/15	-	-	53.67	0.00	-
RW - 4	03/11/15	-	53.45	54.14	0.69	-
RW - 4	03/31/15	-	52.69	53.68	0.99	-
RW - 4	04/09/15	-	53.33	54.62	1.29	-
RW - 4	04/15/15	-	53.30	54.69	1.39	-
RW - 4	04/22/15	-	53.30	54.73	1.43	-
RW - 4	05/12/15	-	53.33	54.68	1.35	-
RW - 4	05/26/15	-	52.79	53.64	0.85	-
RW - 4	06/01/15	-	53.35	54.63	1.28	-
RW - 4	06/04/15	-	53.31	54.68	1.37	-
RW - 4	07/27/15	-	53.23	55.83	2.60	-
RW - 4	08/18/15	-	53.01	55.96	2.95	-
RW - 4	10/08/15	-	53.16	55.08	1.92	-
RW - 4	10/21/15	-	53.14	55.85	2.71	-
RW - 4	11/23/15	-	53.37	55.55	2.18	-

TABLE 7

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE GW-0294

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	01/12/16	-	53.35	55.19	1.84	-
RW - 4	02/11/16	-	53.52	53.90	0.38	-
RW - 4	02/24/16	-	53.43	54.44	1.01	-
RW - 4	06/13/16	-	53.36	55.28	1.92	-
RW - 4	08/02/16	-	53.31	55.70	2.39	-
RW - 4	11/28/16	-	53.29	55.40	2.11	-
RW - 4	02/21/17	-	53.30	55.37	2.07	-
RW - 4	05/24/17	-	53.30	55.23	1.93	-
RW - 4	07/12/17	-	53.35	55.28	1.93	-
RW - 4	08/11/17	-	53.35	55.26	1.91	-
RW - 4	10/18/17	-	53.14	55.31	2.17	-
RW - 4	11/28/17	-	53.51	54.87	1.36	-
RW - 4	12/19/17	-	53.44	55.07	1.63	-
RW - 4	01/16/18	-	53.44	55.32	1.88	-
RW - 4	02/26/18	-	53.56	54.52	0.96	-
RW - 4	04/17/18	-	53.42	55.14	1.72	-
RW - 4	05/07/18	-	53.55	54.97	1.42	-
RW - 4	08/01/18	-	53.56	55.40	1.84	-
RW - 4	08/09/18	-	53.50	55.41	1.91	-
RW - 4	08/23/18	-	53.49	55.56	2.07	-
RW - 4	08/30/18	-	53.63	55.01	1.38	-
RW - 4	08/31/18	-	53.53	55.42	1.89	-
RW - 4	09/11/18	-	53.64	54.92	1.28	-
RW - 4	09/13/18	-	53.61	54.88	1.27	-
RW - 4	09/19/18	-	53.63	54.91	1.28	-
RW - 4	09/26/18	-	53.61	55.11	1.50	-
RW - 4	10/04/18	-	53.58	55.12	1.54	-
RW - 4	11/14/18	-	53.57	55.01	1.44	-
RW - 4	12/18/18	-	53.57	55.43	1.86	-
RW - 4	02/18/19	-	53.49	55.71	2.22	-
RW - 4	05/14/19	-	53.44	55.84	2.40	-
RW - 4	08/19/19	-	53.54	56.29	2.75	-
RW - 4	11/11/19	-	53.37	56.31	2.94	-
RW - 4	01/08/20	-	53.60	55.92	2.32	-
RW - 4	02/18/20	-	53.93	56.19	2.26	-
RW - 4	05/05/20	-	53.62	56.02	2.40	-
RW - 4	06/11/20	-	53.58	56.24	2.66	-
RW - 4	09/23/20	-	53.64	56.60	2.96	-
RW - 4	12/04/20	-	53.66	56.62	2.96	-

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 1	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	04/05/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 1	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 1	03/22/05	Not Sampled on Current Sample Schedule				
MW - 1	06/22/05	Not Sampled on Current Sample Schedule				
MW - 1	09/14/05	Plugged and Abandoned				
MW - 2	03/22/05	Not Sampled Due to PSH in Well				
MW - 2	06/22/05	Not Sampled Due to PSH in Well				
MW - 2	09/21/05	Not Sampled Due to PSH in Well				
MW - 2	12/16/05	Not Sampled Due to PSH in Well				
MW - 2	03/20/06	Not Sampled Due to PSH in Well				
MW - 2	06/21/06	Not Sampled Due to PSH in Well				
MW - 2	09/27/06	Not Sampled Due to PSH in Well				
MW - 2	12/04/06	Not Sampled Due to PSH in Well				
MW - 2	03/14/07	Not Sampled Due to PSH in Well				
MW - 2	05/29/07	Not Sampled Due to PSH in Well				
MW - 2	08/30/07	Not Sampled Due to PSH in Well				
MW - 2	11/12/07	Not Sampled Due to PSH in Well				
MW - 2	03/07/08	Not Sampled Due to PSH in Well				
MW - 2	06/02/08	Not Sampled Due to PSH in Well				
MW - 2	09/03/08	Not Sampled Due to PSH in Well				
MW - 2	12/10/08	**13.80**	**5.200**	**0.864**	**2.700**	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 2	02/19/09	Not Sampled Due to PSH in Well				
MW - 2	05/20/09	Not Sampled Due to PSH in Well				
MW - 2	08/12/09	Not Sampled Due to PSH in Well				
MW - 2	11/25/09	**12.00**	**6.380**	**0.834**	**2.940**	
MW - 2	02/11/10	Not Sampled Due to PSH in Well				
MW - 2	05/17/10	Not Sampled Due to PSH in Well				
MW - 2	08/16/10	Not Sampled Due to PSH in Well				
MW - 2	11/10/10	Not Sampled Due to PSH in Well				
MW - 2	02/28/11	Not Sampled Due to PSH in Well				
MW - 2	05/12/11	Not Sampled Due to PSH in Well				
MW - 2	08/15/11	Not Sampled Due to PSH in Well				
MW - 2	11/22/11	Not Sampled Due to PSH in Well				
MW - 2	02/28/12	Not Sampled Due to PSH in Well				
MW - 2	05/17/12	Not Sampled Due to PSH in Well				
MW - 2	08/01/12	Not Sampled Due to PSH in Well				
MW - 2	11/29/12	Not Sampled Due to PSH in Well				
MW - 2	02/11/13	Not Sampled Due to PSH in Well				
MW - 2	05/06/13	Not Sampled Due to PSH in Well				
MW - 2	08/06/13	Not Sampled Due to PSH in Well				
MW - 2	11/18/13	Not Sampled Due to PSH in Well				
MW - 2	02/04/14	Not Sampled Due to PSH in Well				
MW - 2	05/28/14	Not Sampled Due to PSH in Well				
MW - 2	08/23/14	Not Sampled Due to PSH in Well				
MW - 2	11/18/14	Not Sampled Due to PSH in Well				
MW - 2	02/19/15	Not Sampled Due to PSH in Well				
MW - 2	05/12/15	Not Sampled Due to PSH in Well				
MW - 2	08/18/15	Not Sampled Due to PSH in Well				
MW - 2	11/23/15	Not Sampled Due to PSH in Well				
MW - 2	02/24/16	Not Sampled Due to PSH in Well				
MW - 2	06/13/16	Not Sampled Due to PSH in Well				
MW - 2	08/03/16	Not Sampled Due to PSH in Well				
MW - 2	11/28/16	Not Sampled Due to PSH in Well				
MW - 2	02/21/17	Not Sampled Due to PSH in Well				
MW - 2	05/24/17	Not Sampled Due to PSH in Well				
MW - 2	08/11/17	Not Sampled Due to PSH in Well				
MW - 2	11/28/17	Not Sampled Due to PSH in Well				
MW - 2	02/26/18	Not Sampled Due to PSH in Well				
MW - 2	05/07/18	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 2	08/09/18	Not Sampled Due to PSH in Well				
MW - 2	11/14/18	Not Sampled Due to PSH in Well				
MW - 2	02/18/19	Not Sampled Due to PSH in Well				
MW - 2	05/14/19	Not Sampled Due to PSH in Well				
MW - 2	08/19/19	Not Sampled Due to PSH in Well				
MW - 2	11/11/19	Not Sampled Due to PSH in Well				
MW - 2	02/18/20	Not Sampled Due to PSH in Well				
MW - 2	06/11/20	Not Sampled Due to PSH in Well				
MW - 2	09/23/20	Not Sampled Due to PSH in Well				
MW - 2	12/04/20	Not Sampled Due to PSH in Well				
MW - 3	03/22/05	Not Sampled Due to PSH in Well				
MW - 3	06/22/05	Not Sampled Due to PSH in Well				
MW - 3	09/21/05	Not Sampled Due to PSH in Well				
MW - 3	12/16/05	Not Sampled Due to PSH in Well				
MW - 3	03/20/06	Not Sampled Due to PSH in Well				
MW - 3	06/21/06	Not Sampled Due to PSH in Well				
MW - 3	09/27/06	Not Sampled Due to PSH in Well				
MW - 3	12/04/06	Not Sampled Due to PSH in Well				
MW - 3	03/14/07	Not Sampled Due to PSH in Well				
MW - 3	05/29/07	Not Sampled Due to PSH in Well				
MW - 3	08/30/07	Not Sampled Due to PSH in Well				
MW - 3	11/12/07	Not Sampled Due to PSH in Well				
MW - 3	03/07/08	Not Sampled Due to PSH in Well				
MW - 3	06/02/08	Not Sampled Due to PSH in Well				
MW - 3	09/03/08	Not Sampled Due to PSH in Well				
MW - 3	12/10/08	**10.10**	**6.40**	**1.040**	**2.80**	
MW - 3	02/19/09	Not Sampled Due to PSH in Well				
MW - 3	05/20/09	Not Sampled Due to PSH in Well				
MW - 3	08/12/09	Not Sampled Due to PSH in Well				
MW - 3	11/25/09	**16.80**	**17.20**	**4.690**	**14.20**	
MW - 3	02/11/10	Not Sampled Due to PSH in Well				
MW - 3	05/17/10	Not Sampled Due to PSH in Well				
MW - 3	08/16/10	Not Sampled Due to PSH in Well				
MW - 3	11/10/10	Not Sampled Due to PSH in Well				
MW - 3	02/28/11	Not Sampled Due to PSH in Well				
MW - 3	05/12/11	Not Sampled Due to PSH in Well				
MW - 3	08/15/11	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 3	11/22/11	Not Sampled Due to PSH in Well				
MW - 3	02/28/12	Not Sampled Due to PSH in Well				
MW - 3	05/17/12	Not Sampled Due to PSH in Well				
MW - 3	08/01/12	Not Sampled Due to PSH in Well				
MW - 3	11/29/12	Not Sampled Due to PSH in Well				
MW - 3	02/11/13	Not Sampled Due to PSH in Well				
MW - 3	05/06/13	Not Sampled Due to PSH in Well				
MW - 3	05/06/13	Not Sampled Due to PSH in Well				
MW - 3	11/18/13	Not Sampled Due to PSH in Well				
MW - 3	02/04/14	Not Sampled Due to PSH in Well				
MW - 3	05/28/14	Not Sampled Due to PSH in Well				
MW - 3	08/23/14	Not Sampled Due to PSH in Well				
MW - 3	11/18/14	Not Sampled Due to PSH in Well				
MW - 3	02/19/15	Not Sampled Due to PSH in Well				
MW - 3	05/12/15	Not Sampled Due to PSH in Well				
MW - 3	08/18/15	Not Sampled Due to PSH in Well				
MW - 3	11/23/15	Not Sampled Due to PSH in Well				
MW - 3	02/24/16	Not Sampled Due to PSH in Well				
MW - 3	06/13/16	Not Sampled Due to PSH in Well				
MW - 3	08/03/16	Not Sampled Due to PSH in Well				
MW - 3	11/28/16	Not Sampled Due to PSH in Well				
MW - 3	02/21/17	Not Sampled Due to PSH in Well				
MW - 3	05/24/17	Not Sampled Due to PSH in Well				
MW - 3	08/11/17	Not Sampled Due to PSH in Well				
MW - 3	11/28/17	Not Sampled Due to PSH in Well				
MW - 3	02/26/18	Not Sampled Due to PSH in Well				
MW - 3	05/07/18	Not Sampled Due to PSH in Well				
MW - 3	08/09/18	Not Sampled Due to PSH in Well				
MW - 3	11/14/18	Not Sampled Due to PSH in Well				
MW - 3	02/18/19	Not Sampled Due to PSH in Well				
MW - 3	05/14/19	Not Sampled Due to PSH in Well				
MW - 3	08/19/19	Not Sampled Due to PSH in Well				
MW - 3	11/11/19	Not Sampled Due to PSH in Well				
MW - 3	02/18/20	Not Sampled Due to PSH in Well				
MW - 3	06/11/20	Not Sampled Due to PSH in Well				
MW - 3	09/23/20	Not Sampled Due to PSH in Well				
MW - 3	12/04/20	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 4	03/22/05	Not Sampled Due to PSH in Well				
MW - 4	06/22/05	Not Sampled Due to PSH in Well				
MW - 4	09/21/05	Not Sampled Due to PSH in Well				
MW - 4	12/16/05	Not Sampled Due to PSH in Well				
MW - 4	03/20/06	Not Sampled Due to PSH in Well				
MW - 4	06/21/06	Not Sampled Due to PSH in Well				
MW - 4	09/27/06	Not Sampled Due to PSH in Well				
MW - 4	12/04/06	Not Sampled Due to PSH in Well				
MW - 4	03/14/07	Not Sampled Due to PSH in Well				
MW - 4	05/29/07	Not Sampled Due to PSH in Well				
MW - 4	08/30/07	Not Sampled Due to PSH in Well				
MW - 4	11/12/07	Not Sampled Due to PSH in Well				
MW - 4	03/07/08	Not Sampled Due to PSH in Well				
MW - 4	06/02/08	Not Sampled Due to PSH in Well				
MW - 4	09/03/08	Not Sampled Due to PSH in Well				
MW - 4	12/10/08	**1.930**	**0.996**	**0.613**	**1.620**	
MW - 4	02/19/09	Not Sampled Due to PSH in Well				
MW - 4	05/20/09	Not Sampled Due to PSH in Well				
MW - 4	08/12/09	Not Sampled Due to PSH in Well				
MW - 4	11/25/09	**2.000**	**1.060**	**0.618**	**1.340**	
MW - 4	02/11/10	**2.150**	**1.230**	**0.825**	**2.150**	
MW - 4	05/17/10	**0.747**	0.125	0.335	0.549	
MW - 4	08/16/10	**1.180**	0.237	0.445	0.599	
MW - 4	11/10/10	**0.583**	0.174	0.370	**0.762**	
MW - 4	02/28/11	**1.140**	0.343	0.556	**0.999**	
MW - 4	05/12/11	**1.020**	0.292	0.517	**1.210**	
MW - 4	08/15/11	**0.838**	0.084	0.355	0.387	
MW - 4	11/22/11	**0.684**	0.061	0.435	**1.070**	
MW - 4	02/28/12	**0.614**	0.073	0.366	**0.865**	
MW - 4	05/17/12	**0.901**	0.071	0.474	**0.929**	
MW - 4	08/01/12	**0.632**	<0.050	0.396	**0.776**	
MW - 4	11/29/12	**0.188**	0.0042	0.135	0.308	
MW - 4	02/11/13	**0.262**	<0.005	0.329	**0.790**	
MW - 4	05/06/13	**0.396**	<0.005	0.480	**1.55**	
MW - 4	08/06/13	**0.259**	<0.005	0.406	**1.05**	
MW - 4	11/19/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 4	12/08/13	**0.0777**	<0.0500	<0.0500	<0.150	
MW - 4	02/04/14	**0.322**	<0.0500	0.294	**0.684**	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 4	05/28/14	Not Sampled Due to PSH in Well				
MW - 4	08/23/14	Not Sampled Due to PSH in Well				
MW - 4	11/18/14	Not Sampled Due to PSH in Well				
MW - 4	02/19/15	Not Sampled Due to PSH in Well				
MW - 4	05/12/15	Not Sampled Due to PSH in Well				
MW - 4	08/18/15	Not Sampled Due to PSH in Well				
MW - 4	11/23/15	Not Sampled Due to PSH in Well				
MW - 4	02/24/16	Not Sampled Due to PSH in Well				
MW - 4	06/13/16	Not Sampled Due to PSH in Well				
MW - 4	08/03/16	Not Sampled Due to PSH in Well				
MW - 4	11/28/16	**0.122**	<0.00200	0.176	0.413	
MW - 4	02/21/17	**0.251**	<0.100	0.201	0.540	
MW - 4	05/24/17	Not Sampled Due to PSH in Well				
MW - 4	08/11/17	Not Sampled Due to PSH in Well				
MW - 4	11/28/17	Not Sampled Due to PSH in Well				
MW - 4	02/26/18	Not Sampled Due to PSH in Well				
MW - 4	05/07/18	Not Sampled Due to PSH in Well				
MW - 4	08/09/18	Not Sampled Due to PSH in Well				
MW - 4	11/14/18	Not Sampled Due to PSH in Well				
MW - 4	02/18/19	**0.0987**	0.0218	0.254	**0.718**	
MW - 4	05/14/19	**0.0604**	0.0315	0.117	0.348	
MW - 4	08/19/19	**0.0436**	0.0385	0.141	0.3248	
MW - 4	11/11/19	**0.166**	0.233	0.327	**1.114**	
MW - 4	02/18/20	Not Sampled Due to PSH in Well				
MW - 4	06/11/20	Not Sampled Due to PSH in Well				
MW - 4	09/23/20	Not Sampled Due to PSH in Well				
MW - 4	12/04/20	Not Sampled Due to PSH in Well				
MW - 5	03/22/05	Not Sampled Due to PSH in Well				
MW - 5	06/22/05	Not Sampled Due to PSH in Well				
MW - 5	09/21/05	Not Sampled Due to PSH in Well				
MW - 5	12/16/05	Not Sampled Due to PSH in Well				
MW - 5	03/20/06	Not Sampled Due to PSH in Well				
MW - 5	06/21/06	Not Sampled Due to PSH in Well				
MW - 5	09/27/06	Not Sampled Due to PSH in Well				
MW - 5	12/04/06	Not Sampled Due to PSH in Well				
MW - 5	03/14/07	Not Sampled Due to PSH in Well				
MW - 5	05/29/07	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 5	08/30/07	Not Sampled Due to PSH in Well				
MW - 5	11/12/07	Not Sampled Due to PSH in Well				
MW - 5	03/07/08	Not Sampled Due to PSH in Well				
MW - 5	06/02/08	Not Sampled Due to PSH in Well				
MW - 5	09/03/08	Not Sampled Due to PSH in Well				
MW - 5	12/10/08	**18.90**	**9.030**	**1.490**	**3.520**	
MW - 5	02/19/09	Not Sampled Due to PSH in Well				
MW - 5	05/20/09	Not Sampled Due to PSH in Well				
MW - 5	08/12/09	Not Sampled Due to PSH in Well				
MW - 5	11/25/09	**15.60**	**5.700**	**1.080**	**2.290**	
MW - 5	02/11/10	Not Sampled Due to PSH in Well				
MW - 5	05/17/10	Not Sampled Due to PSH in Well				
MW - 5	08/16/10	Not Sampled Due to PSH in Well				
MW - 5	11/10/10	Not Sampled Due to PSH in Well				
MW - 5	02/28/11	Not Sampled Due to PSH in Well				
MW - 5	05/12/11	Not Sampled Due to PSH in Well				
MW - 5	08/15/11	Not Sampled Due to PSH in Well				
MW - 5	11/22/11	Not Sampled Due to PSH in Well				
MW - 5	02/28/12	Not Sampled Due to PSH in Well				
MW - 5	05/17/12	Not Sampled Due to PSH in Well				
MW - 5	08/01/12	Not Sampled Due to PSH in Well				
MW - 5	11/29/12	Not Sampled Due to PSH in Well				
MW - 5	02/11/13	Not Sampled Due to PSH in Well				
MW - 5	05/06/13	Not Sampled Due to PSH in Well				
MW - 5	08/06/13	Not Sampled Due to PSH in Well				
MW - 5	11/18/13	Not Sampled Due to PSH in Well				
MW - 5	02/04/14	Not Sampled Due to PSH in Well				
MW - 5	05/28/14	Not Sampled Due to PSH in Well				
MW - 5	08/23/14	Not Sampled Due to PSH in Well				
MW - 5	11/18/14	Not Sampled Due to PSH in Well				
MW - 5	02/19/15	Not Sampled Due to PSH in Well				
MW - 5	05/12/15	Not Sampled Due to PSH in Well				
MW - 5	11/18/14	Not Sampled Due to PSH in Well				
MW - 5	08/18/15	Not Sampled Due to PSH in Well				
MW - 5	11/23/15	Not Sampled Due to PSH in Well				
MW - 5	02/24/16	Not Sampled Due to PSH in Well				
MW - 5	06/13/16	Not Sampled Due to PSH in Well				
MW - 5	08/03/16	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 5	11/28/16	Not Sampled Due to PSH in Well				
MW - 5	02/21/17	Not Sampled Due to PSH in Well				
MW - 5	05/24/17	Not Sampled Due to PSH in Well				
MW - 5	08/11/17	Not Sampled Due to PSH in Well				
MW - 5	11/28/17	Not Sampled Due to PSH in Well				
MW - 5	02/26/18	Not Sampled Due to PSH in Well				
MW - 5	05/07/18	Not Sampled Due to PSH in Well				
MW - 5	08/09/18	Not Sampled Due to PSH in Well				
MW - 5	11/14/18	Not Sampled Due to PSH in Well				
MW - 5	02/18/19	Not Sampled Due to PSH in Well				
MW - 5	05/14/19	Not Sampled Due to PSH in Well				
MW - 5	08/19/19	Not Sampled Due to PSH in Well				
MW - 5	11/11/19	Not Sampled Due to PSH in Well				
MW - 5	02/18/20	Not Sampled Due to PSH in Well				
MW - 5	06/11/20	Not Sampled Due to PSH in Well				
MW - 5	09/23/20	Not Sampled Due to PSH in Well				
MW - 5	12/04/20	Not Sampled Due to PSH in Well				
MW - 6	03/22/05	Not Sampled Due to PSH in Well				
MW - 6	06/22/05	Not Sampled Due to PSH in Well				
MW - 6	09/21/05	Not Sampled Due to PSH in Well				
MW - 6	12/16/05	Not Sampled Due to PSH in Well				
MW - 6	03/20/06	Not Sampled Due to PSH in Well				
MW - 6	06/21/06	Not Sampled Due to PSH in Well				
MW - 6	09/27/06	Not Sampled Due to PSH in Well				
MW - 6	12/04/06	Not Sampled Due to PSH in Well				
MW - 6	03/14/07	Not Sampled Due to PSH in Well				
MW - 6	05/29/07	Not Sampled Due to PSH in Well				
MW - 6	08/30/07	Not Sampled Due to PSH in Well				
MW - 6	11/12/07	Not Sampled Due to PSH in Well				
MW - 6	03/07/08	Not Sampled Due to PSH in Well				
MW - 6	06/02/08	Not Sampled Due to PSH in Well				
MW - 6	09/03/08	Not Sampled Due to PSH in Well				
MW - 6	12/10/08	**26.00**	**3.950**	**1.230**	**2.850**	
MW - 6	02/19/09	Not Sampled Due to PSH in Well				
MW - 6	05/20/09	Not Sampled Due to PSH in Well				
MW - 6	08/12/09	Not Sampled Due to PSH in Well				
MW - 6	11/25/09	**19.80**	**5.060**	**1.010**	**2.330**	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 6	02/11/10	Not Sampled Due to PSH in Well				
MW - 6	05/17/10	Not Sampled Due to PSH in Well				
MW - 6	08/16/10	Not Sampled Due to PSH in Well				
MW - 6	11/10/10	**4.04**	**2.830**	0.494	**1.710**	
MW - 6	02/28/11	**3.77**	**2.320**	0.330	**0.926**	
MW - 6	05/12/11	**1.37**	0.637	0.123	0.503	
MW - 6	08/15/11	**2.10**	**0.945**	0.0741	0.612	
MW - 6	11/22/11	**3.59**	**1.460**	0.3170	**1.100**	
MW - 6	02/28/12	**4.54**	**1.560**	0.2890	**1.200**	
MW - 6	05/17/12	Not Sampled Due to PSH in Well				
MW - 6	08/01/12	Not Sampled Due to PSH in Well				
MW - 6	11/29/12	Not Sampled Due to PSH in Well				
MW - 6	02/11/13	Not Sampled Due to PSH in Well				
MW - 6	05/06/13	Not Sampled Due to PSH in Well				
MW - 6	08/06/13	Not Sampled Due to PSH in Well				
MW - 6	11/18/13	Not Sampled Due to PSH in Well				
MW - 6	02/04/14	Not Sampled Due to PSH in Well				
MW - 6	05/28/14	Not Sampled Due to PSH in Well				
MW - 6	08/23/14	Not Sampled Due to PSH in Well				
MW - 6	11/18/14	Not Sampled Due to PSH in Well				
MW - 6	02/19/15	0.579	<0.0500	0.0912	0.154	
MW - 6	05/12/15	Not Sampled Due to PSH in Well				
MW - 6	08/18/15	**0.324**	<0.0500	<0.0500	0.158	
MW - 6	11/23/15	**0.286**	<0.00100	0.0413	0.0857	
MW - 6	02/24/16	**0.682**	<0.0500	0.161	0.190	
MW - 6	06/13/16	**0.254**	<0.0500	0.0578	0.103	
MW - 6	08/03/16	**0.129**	<0.00100	0.0167	0.0288	
MW - 6	11/28/16	**0.254**	<0.00200	0.0403	0.0661	
MW - 6	02/21/17	**0.246**	<0.00200	0.0275	0.09560	
MW - 6	05/24/17	Not Sampled Due to PSH in Well				
MW - 6	08/11/17	Not Sampled Due to PSH in Well				
MW - 6	11/28/17	Not Sampled Due to PSH in Well				
MW - 6	02/26/18	Not Sampled Due to PSH in Well				
MW - 6	05/07/18	Not Sampled Due to PSH in Well				
MW - 6	08/09/18	Not Sampled Due to PSH in Well				
MW - 6	11/14/18	Not Sampled Due to PSH in Well				
MW - 6	02/18/19	Not Sampled Due to PSH in Well				
MW - 6	05/14/19	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 6	08/19/19	Not Sampled Due to PSH in Well				
MW - 6	11/11/19	Not Sampled Due to PSH in Well				
MW - 6	02/18/20	Not Sampled Due to PSH in Well				
MW - 6	06/11/20	Not Sampled Due to PSH in Well				
MW - 6	09/23/20	Not Sampled Due to PSH in Well				
MW - 6	12/04/20	Not Sampled Due to PSH in Well				
MW - 7	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	02/21/01	0.005	<0.001	<0.001	0.013	0.026
MW - 7	05/31/01	**0.033**	0.015	<0.001	0.100	
MW - 7	08/23/01	0.009	0.002	<0.001	0.029	0.049
MW - 7	11/21/01	0.007	0.002	<0.001	0.022	0.037
MW - 7	02/13/02	0.004	<0.001	<0.001	0.017	0.027
MW - 7	06/12/02	0.002	<0.001	<0.001	0.009	0.001
MW - 7	08/26/02	0.001	<0.001	0.012	0.014	<0.001
MW - 7	11/21/02	<0.001	<0.001	<0.001	0.003	<0.001
MW - 7	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 7	08/18/03	<0.001	<0.001	<0.001	0.002	<0.001
MW - 7	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 7	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 7	03/22/05	Not Sampled on Current Sample Schedule				
MW - 7	06/22/05	Not Sampled on Current Sample Schedule				
MW - 7	09/21/05	Not Sampled on Current Sample Schedule				
MW - 7	12/16/05	<0.001	<0.001	0.0028	0.0031	
MW - 7	03/20/06	Not Sampled on Current Sample Schedule				
MW - 7	06/21/06	Not Sampled on Current Sample Schedule				
MW - 7	09/27/06	Not Sampled on Current Sample Schedule				
MW - 7	12/04/06	<0.001	<0.001	0.0309	0.0085	
MW - 7	03/14/07	Not Sampled on Current Sample Schedule				
MW - 7	05/29/07	Not Sampled on Current Sample Schedule				
MW - 7	08/30/07	Not Sampled on Current Sample Schedule				
MW - 7	11/12/07	<0.001	<0.001	0.0062	0.0015	
MW - 7	03/07/08	Not Sampled on Current Sample Schedule				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	06/02/08	Not Sampled on Current Sample Schedule				
MW - 7	09/03/08	Not Sampled on Current Sample Schedule				
MW - 7	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/19/09	Not Sampled on Current Sample Schedule				
MW - 7	05/20/09	Not Sampled on Current Sample Schedule				
MW - 7	08/12/09	Not Sampled on Current Sample Schedule				
MW - 7	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/10	Not Sampled on Current Sample Schedule				
MW - 7	05/17/10	Not Sampled on Current Sample Schedule				
MW - 7	08/16/10	Not Sampled on Current Sample Schedule				
MW - 7	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/11	Not Sampled on Current Sample Schedule				
MW - 7	05/12/11	Not Sampled on Current Sample Schedule				
MW - 7	08/15/11	Not Sampled on Current Sample Schedule				
MW - 7	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/28/12	Not Sampled on Current Sample Schedule				
MW - 7	05/17/12	Not Sampled on Current Sample Schedule				
MW - 7	08/01/12	Not Sampled on Current Sample Schedule				
MW - 7	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 7	02/11/13	Not Sampled on Current Sample Schedule				
MW - 7	05/06/13	Not Sampled on Current Sample Schedule				
MW - 7	08/06/13	Not Sampled on Current Sample Schedule				
MW - 7	11/19/13	**0.0729**	0.0023	0.0788	0.2020	
MW - 7	12/08/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 7	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 7	05/28/14	Not Sampled on Current Sample Schedule				
MW - 7	08/23/14	Not Sampled on Current Sample Schedule				
MW - 7	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/19/15	Not Sampled on Current Sample Schedule				
MW - 7	05/12/15	Not Sampled on Current Sample Schedule				
MW - 7	08/18/15	Not Sampled on Current Sample Schedule				
MW - 7	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 7	02/24/16	Not Sampled on Current Sample Schedule				
MW - 7	06/13/16	Not Sampled on Current Sample Schedule				
MW - 7	08/03/16	Not Sampled on Current Sample Schedule				
MW - 7	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 7	02/21/17	Not Sampled on Current Sample Schedule				
MW - 7	05/24/17	Not Sampled on Current Sample Schedule				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 7	08/11/17	Not Sampled on Current Sample Schedule				
MW - 7	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 7	02/26/18	Not Sampled on Current Sample Schedule				
MW - 7	05/07/18	Not Sampled on Current Sample Schedule				
MW - 7	08/09/18	Not Sampled on Current Sample Schedule				
MW - 7	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 7	02/18/19	Not Sampled on Current Sample Schedule				
MW - 7	05/14/19	Not Sampled on Current Sample Schedule				
MW - 7	08/19/19	Not Sampled on Current Sample Schedule				
MW - 7	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 7	02/18/20	Not Sampled on Current Sample Schedule				
MW - 7	06/11/20	Not Sampled on Current Sample Schedule				
MW - 7	09/23/20	Not Sampled on Current Sample Schedule				
MW - 7	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 8	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 8	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 8	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 8	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 8	03/22/05	Not Sampled on Current Sample Schedule				
MW - 8	06/22/05	Not Sampled on Current Sample Schedule				
MW - 8	09/14/05	Plugged and Abandoned				
MW - 9	03/22/05	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 9	06/22/05	Not Sampled Due to PSH in Well				
MW - 9	09/21/05	Not Sampled Due to PSH in Well				
MW - 9	12/16/05	Not Sampled Due to PSH in Well				
MW - 9	03/20/06	Not Sampled Due to PSH in Well				
MW - 9	06/21/06	Not Sampled Due to PSH in Well				
MW - 9	09/27/06	Not Sampled Due to PSH in Well				
MW - 9	12/04/06	Not Sampled Due to PSH in Well				
MW - 9	03/14/07	Not Sampled Due to PSH in Well				
MW - 9	05/29/07	Not Sampled Due to PSH in Well				
MW - 9	08/30/07	Not Sampled Due to PSH in Well				
MW - 9	11/12/07	Not Sampled Due to PSH in Well				
MW - 9	03/07/08	Not Sampled Due to PSH in Well				
MW - 9	06/02/08	Not Sampled Due to PSH in Well				
MW - 9	09/03/08	Not Sampled Due to PSH in Well				
MW - 9	12/10/08	**2.240**	**2.850**	**0.633**	**1.790**	
MW - 9	02/19/09	Not Sampled Due to PSH in Well				
MW - 9	05/20/09	Not Sampled Due to PSH in Well				
MW - 9	08/12/09	Not Sampled Due to PSH in Well				
MW - 9	08/12/09	**2.090**	**2.470**	**0.503**	**1.600**	
MW - 9	02/11/10	Not Sampled Due to PSH in Well				
MW - 9	05/17/10	Not Sampled Due to PSH in Well				
MW - 9	08/16/10	Not Sampled Due to PSH in Well				
MW - 9	11/10/10	Not Sampled Due to PSH in Well				
MW - 9	02/28/11	Not Sampled Due to PSH in Well				
MW - 9	05/12/11	Not Sampled Due to PSH in Well				
MW - 9	08/15/11	Not Sampled Due to PSH in Well				
MW - 9	11/22/11	Not Sampled Due to PSH in Well				
MW - 9	02/28/12	Not Sampled Due to PSH in Well				
MW - 9	05/17/12	Not Sampled Due to PSH in Well				
MW - 9	08/01/12	Not Sampled Due to PSH in Well				
MW - 9	11/29/12	Not Sampled Due to PSH in Well				
MW - 9	02/11/13	Not Sampled Due to PSH in Well				
MW - 9	05/06/13	Not Sampled Due to PSH in Well				
MW - 9	08/06/13	Not Sampled Due to PSH in Well				
MW - 9	11/18/13	Not Sampled Due to PSH in Well				
MW - 9	02/04/14	Not Sampled Due to PSH in Well				
MW - 9	05/28/14	Not Sampled Due to PSH in Well				
MW - 9	08/23/14	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 9	11/18/14	Not Sampled Due to PSH in Well				
MW - 9	02/19/15	Not Sampled Due to PSH in Well				
MW - 9	05/12/15	Not Sampled Due to PSH in Well				
MW - 9	08/18/15	Not Sampled Due to PSH in Well				
MW - 9	11/23/15	Not Sampled Due to PSH in Well				
MW - 9	02/24/16	Not Sampled Due to PSH in Well				
MW - 9	06/13/16	Not Sampled Due to PSH in Well				
MW - 9	08/03/16	Not Sampled Due to PSH in Well				
MW - 9	11/28/16	Not Sampled Due to PSH in Well				
MW - 9	02/21/17	Not Sampled Due to PSH in Well				
MW - 9	05/24/17	Not Sampled Due to PSH in Well				
MW - 9	08/11/17	Not Sampled Due to PSH in Well				
MW - 9	11/28/17	Not Sampled Due to PSH in Well				
MW - 9	02/26/18	Not Sampled Due to PSH in Well				
MW - 9	05/07/18	Not Sampled Due to PSH in Well				
MW - 9	08/09/18	Not Sampled Due to PSH in Well				
MW - 9	11/14/18	Not Sampled Due to PSH in Well				
MW - 9	02/18/19	0.00893	0.0254	0.0608	0.1877	
MW - 9	05/14/19	**0.0239**	0.0786	0.119	0.350	
MW - 9	08/19/19	0.00796	0.0224	0.0565	0.221	
MW - 9	11/11/19	**0.0141**	0.202	0.274	**1.003**	
MW - 9	02/18/20	Not Sampled Due to PSH in Well				
MW - 9	06/11/20	Not Sampled Due to PSH in Well				
MW - 9	09/23/20	Not Sampled Due to PSH in Well				
MW - 9	12/04/20	Not Sampled Due to PSH in Well				
MW - 10	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 10	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 10	08/18/03	0.005	0.002	<0.001	0.001	<0.001
MW - 10	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 10	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/22/05	Not Sampled on Current Sample Schedule				
MW - 10	06/22/05	Not Sampled on Current Sample Schedule				
MW - 10	09/21/05	Not Sampled on Current Sample Schedule				
MW - 10	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/20/06	Not Sampled on Current Sample Schedule				
MW - 10	06/21/06	Not Sampled on Current Sample Schedule				
MW - 10	09/27/06	Not Sampled on Current Sample Schedule				
MW - 10	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/14/07	Not Sampled on Current Sample Schedule				
MW - 10	05/29/07	Not Sampled on Current Sample Schedule				
MW - 10	08/30/07	Not Sampled on Current Sample Schedule				
MW - 10	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 10	03/07/08	Not Sampled on Current Sample Schedule				
MW - 10	06/02/08	Not Sampled on Current Sample Schedule				
MW - 10	09/03/08	Not Sampled on Current Sample Schedule				
MW - 10	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/19/09	Not Sampled on Current Sample Schedule				
MW - 10	05/20/09	Not Sampled on Current Sample Schedule				
MW - 10	08/12/09	Not Sampled on Current Sample Schedule				
MW - 10	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/11/10	Not Sampled on Current Sample Schedule				
MW - 10	05/17/10	Not Sampled on Current Sample Schedule				
MW - 10	08/16/10	Not Sampled on Current Sample Schedule				
MW - 10	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/28/11	Not Sampled on Current Sample Schedule				
MW - 10	05/12/11	Not Sampled on Current Sample Schedule				
MW - 10	08/15/11	Not Sampled on Current Sample Schedule				
MW - 10	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/28/12	Not Sampled on Current Sample Schedule				
MW - 10	05/17/12	Not Sampled on Current Sample Schedule				
MW - 10	08/01/12	Not Sampled on Current Sample Schedule				
MW - 10	11/29/12	<0.001	<0.001	<0.001	<0.001	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 10	02/11/13	Not Sampled on Current Sample Schedule				
MW - 10	05/06/13	Not Sampled on Current Sample Schedule				
MW - 10	08/06/13	Not Sampled on Current Sample Schedule				
MW - 10	11/18/13	<0.001	<0.001	<0.001	<0.001	
MW - 10	02/04/14	Not Sampled on Current Sample Schedule				
MW - 10	05/28/14	Not Sampled on Current Sample Schedule				
MW - 10	08/23/14	Not Sampled on Current Sample Schedule				
MW - 10	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/19/15	Not Sampled on Current Sample Schedule				
MW - 10	05/12/15	Not Sampled on Current Sample Schedule				
MW - 10	08/18/15	Not Sampled on Current Sample Schedule				
MW - 10	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/24/16	Not Sampled on Current Sample Schedule				
MW - 10	06/13/16	Not Sampled on Current Sample Schedule				
MW - 10	08/03/16	Not Sampled on Current Sample Schedule				
MW - 10	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 10	02/21/17	Not Sampled on Current Sample Schedule				
MW - 10	05/24/17	Not Sampled on Current Sample Schedule				
MW - 10	08/11/17	Not Sampled on Current Sample Schedule				
MW - 10	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 10	02/26/18	Not Sampled on Current Sample Schedule				
MW - 10	05/07/18	Not Sampled on Current Sample Schedule				
MW - 10	08/09/18	Not Sampled on Current Sample Schedule				
MW - 10	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 10	02/18/19	Not Sampled on Current Sample Schedule				
MW - 10	05/14/19	Not Sampled on Current Sample Schedule				
MW - 10	08/19/19	Not Sampled on Current Sample Schedule				
MW - 10	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	02/18/20	Not Sampled on Current Sample Schedule				
MW - 10	06/11/20	Not Sampled on Current Sample Schedule				
MW - 10	09/23/20	Not Sampled on Current Sample Schedule				
MW - 10	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	05/31/01	**0.015**	<0.001	<0.001	<0.001	
MW - 11	08/23/01	0.005	<0.001	<0.001	<0.001	<0.001
MW - 11	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/18/03	0.006	<0.001	<0.001	0.006	<0.001
MW - 11	12/01/03	**0.039**	<0.001	0.002	0.004	<0.001
MW - 11	02/05/04	<0.001	<0.001	<0.001	0.017	<0.001
MW - 11	05/05/04	<0.001	<0.001	<0.001	0.005	<0.001
MW - 11	09/01/04	<0.001	<0.001	<0.001	0.006	<0.001
MW - 11	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 11	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/20/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	06/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	09/27/06	Not Sampled on Current Sample Schedule				
MW - 11	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/14/07	Not Sampled on Current Sample Schedule				
MW - 11	05/29/07	Not Sampled on Current Sample Schedule				
MW - 11	08/30/07	Not Sampled on Current Sample Schedule				
MW - 11	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	03/07/08	Not Sampled on Current Sample Schedule				
MW - 11	06/02/08	Not Sampled on Current Sample Schedule				
MW - 11	09/03/08	Not Sampled on Current Sample Schedule				
MW - 11	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/19/09	Not Sampled on Current Sample Schedule				
MW - 11	05/20/09	Not Sampled on Current Sample Schedule				
MW - 11	08/12/09	Not Sampled on Current Sample Schedule				
MW - 11	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/11/10	Not Sampled on Current Sample Schedule				
MW - 11	05/17/10	Not Sampled on Current Sample Schedule				
MW - 11	08/16/10	Not Sampled on Current Sample Schedule				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/28/11	Not Sampled on Current Sample Schedule				
MW - 11	05/12/11	Not Sampled on Current Sample Schedule				
MW - 11	08/15/11	Not Sampled on Current Sample Schedule				
MW - 11	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/28/12	Not Sampled on Current Sample Schedule				
MW - 11	05/17/12	Not Sampled on Current Sample Schedule				
MW - 11	08/01/12	Not Sampled on Current Sample Schedule				
MW - 11	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/11/13	Not Sampled on Current Sample Schedule				
MW - 11	05/06/13	Not Sampled on Current Sample Schedule				
MW - 11	08/06/13	Not Sampled on Current Sample Schedule				
MW - 11	11/18/13	0.0023	<0.001	<0.001	<0.00300	
MW - 11	02/04/14	Not Sampled on Current Sample Schedule				
MW - 11	05/28/14	Not Sampled on Current Sample Schedule				
MW - 11	08/23/14	Not Sampled on Current Sample Schedule				
MW - 11	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/19/15	Not Sampled on Current Sample Schedule				
MW - 11	05/12/15	Not Sampled on Current Sample Schedule				
MW - 11	08/18/15	Not Sampled on Current Sample Schedule				
MW - 11	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/24/16	Not Sampled on Current Sample Schedule				
MW - 11	06/13/16	Not Sampled on Current Sample Schedule				
MW - 11	08/03/16	Not Sampled on Current Sample Schedule				
MW - 11	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 11	02/21/17	Not Sampled on Current Sample Schedule				
MW - 11	05/24/17	Not Sampled on Current Sample Schedule				
MW - 11	08/11/17	Not Sampled on Current Sample Schedule				
MW - 11	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 11	02/26/18	Not Sampled on Current Sample Schedule				
MW - 11	05/07/18	Not Sampled on Current Sample Schedule				
MW - 11	08/09/18	Not Sampled on Current Sample Schedule				
MW - 11	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 11	02/18/19	Not Sampled on Current Sample Schedule				
MW - 11	05/14/19	Not Sampled on Current Sample Schedule				
MW - 11	08/19/19	Not Sampled on Current Sample Schedule				
MW - 11	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/18/20	Not Sampled on Current Sample Schedule				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 11	06/11/20	Not Sampled on Current Sample Schedule				
MW - 11	09/23/20	Not Sampled on Current Sample Schedule				
MW - 11	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/28/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 12	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/13/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	06/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/06/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	12/01/03	0.002	0.001	<0.001	<0.002	<0.001
MW - 12	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/22/05	Not Sampled on Current Sample Schedule				
MW - 12	06/22/05	Not Sampled on Current Sample Schedule				
MW - 12	09/21/05	Not Sampled on Current Sample Schedule				
MW - 12	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/20/06	Not Sampled on Current Sample Schedule				
MW - 12	06/21/06	Not Sampled on Current Sample Schedule				
MW - 12	09/27/06	Not Sampled on Current Sample Schedule				
MW - 12	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/14/07	Not Sampled on Current Sample Schedule				
MW - 12	05/29/07	Not Sampled on Current Sample Schedule				
MW - 12	08/30/07	Not Sampled on Current Sample Schedule				
MW - 12	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/07/08	Not Sampled on Current Sample Schedule				
MW - 12	06/02/08	Not Sampled on Current Sample Schedule				
MW - 12	09/04/08	Not Sampled on Current Sample Schedule				
MW - 12	12/08/08	<0.001	<0.001	<0.001	0.007	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 12	02/19/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	05/20/09	Not Sampled on Current Sample Schedule				
MW - 12	08/12/09	Not Sampled on Current Sample Schedule				
MW - 12	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/11/10	Not Sampled on Current Sample Schedule				
MW - 12	05/17/10	Not Sampled on Current Sample Schedule				
MW - 12	08/16/10	Not Sampled on Current Sample Schedule				
MW - 12	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/28/11	Not Sampled on Current Sample Schedule				
MW - 12	05/12/11	Not Sampled on Current Sample Schedule				
MW - 12	08/15/11	Not Sampled on Current Sample Schedule				
MW - 12	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/28/12	Not Sampled on Current Sample Schedule				
MW - 12	05/17/12	Not Sampled on Current Sample Schedule				
MW - 12	08/01/12	Not Sampled on Current Sample Schedule				
MW - 12	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/11/13	Not Sampled on Current Sample Schedule				
MW - 12	05/06/13	Not Sampled on Current Sample Schedule				
MW - 12	08/06/13	Not Sampled on Current Sample Schedule				
MW - 12	11/18/13	**0.386**	<0.001	0.0412	0.0058	
MW - 12	12/08/13	<0.00100	<0.001	<0.00100	<0.00300	
MW - 12	02/04/14	Not Sampled on Current Sample Schedule				
MW - 12	05/28/14	Not Sampled on Current Sample Schedule				
MW - 12	08/23/14	Not Sampled on Current Sample Schedule				
MW - 12	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/19/15	Not Sampled on Current Sample Schedule				
MW - 12	05/12/15	Not Sampled on Current Sample Schedule				
MW - 12	08/18/15	Not Sampled on Current Sample Schedule				
MW - 12	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/24/16	Not Sampled on Current Sample Schedule				
MW - 12	06/13/16	Not Sampled on Current Sample Schedule				
MW - 12	08/03/16	Not Sampled on Current Sample Schedule				
MW - 12	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 12	02/21/17	Not Sampled on Current Sample Schedule				
MW - 12	05/24/17	Not Sampled on Current Sample Schedule				
MW - 12	08/11/17	Not Sampled on Current Sample Schedule				
MW - 12	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 12	02/26/18	Not Sampled on Current Sample Schedule				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 12	05/07/18	Not Sampled on Current Sample Schedule				
MW - 12	08/09/18	Not Sampled on Current Sample Schedule				
MW - 12	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 12	02/18/19	Not Sampled on Current Sample Schedule				
MW - 12	05/14/19	Not Sampled on Current Sample Schedule				
MW - 12	08/19/19	Not Sampled on Current Sample Schedule				
MW - 12	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/18/20	Not Sampled on Current Sample Schedule				
MW - 12	06/11/20	Not Sampled on Current Sample Schedule				
MW - 12	09/23/20	Not Sampled on Current Sample Schedule				
MW - 12	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	04/25/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	09/06/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/28/00	0.004	<0.001	<0.001	<0.001	<0.001
MW - 13	02/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	05/31/01	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/23/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/21/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	02/13/02	0.007	<0.001	<0.001	<0.001	<0.001
MW - 13	06/12/02	**0.115**	<0.001	<0.001	0.013	<0.001
MW - 13	08/26/02	**0.046**	<0.001	<0.001	0.024	<0.001
MW - 13	11/21/02	**0.010**	<0.001	<0.001	0.045	<0.001
MW - 13	02/06/03	<0.001	<0.001	<0.001	0.028	<0.001
MW - 13	05/07/03	0.003	<0.001	<0.001	0.019	<0.001
MW - 13	08/18/03	0.002	<0.001	<0.001	0.035	<0.001
MW - 13	12/01/03	<0.001	<0.001	<0.001	0.018	<0.001
MW - 13	02/05/04	0.002	<0.001	0.001	0.053	<0.001
MW - 13	05/05/04	<0.001	<0.001	0.001	0.002	<0.001
MW - 13	09/01/04	<0.001	<0.001	0.002	0.016	<0.001
MW - 13	12/15/04	<0.001	<0.001	<0.001	0.002	
MW - 13	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 13	06/22/05	<0.001	<0.001	<0.001	0.005	
MW - 13	09/21/05	<0.001	<0.001	<0.001	0.003	
MW - 13	12/16/05	<0.001	<0.001	<0.001	0.0074	
MW - 13	03/20/06	0.001	<0.001	0.001	0.0106	
MW - 13	06/21/06	0.008	<0.001	0.003	0.0064	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	09/27/06	**0.103**	<0.001	0.011	0.0115	
MW - 13	12/04/06	**0.293**	<0.001	0.011	0.0094	
MW - 13	03/14/07	**0.530**	<0.005	0.029	0.0161	
MW - 13	05/29/07	**0.496**	<0.005	<0.005	<0.005	
MW - 13	08/30/07	**0.609**	<0.005	0.0201	<0.005	
MW - 13	11/12/07	**0.350**	<0.005	<0.005	<0.005	
MW - 13	03/07/08	**0.0279**	<0.005	<0.005	<0.005	
MW - 13	06/02/08	**0.662**	<0.001	0.0173	<0.010	
MW - 13	09/03/08	**0.974**	<0.005	0.0143	0.0206	
MW - 13	12/08/08	**1.200**	<0.005	<0.005	<0.005	
MW - 13	02/19/09	**0.548**	<0.005	<0.005	0.0151	
MW - 13	05/20/09	**0.667**	<0.005	0.072	0.1920	
MW - 13	08/12/09	**1.470**	<0.005	0.047	0.1630	
MW - 13	11/25/09	**1.420**	<0.005	<0.005	<0.005	
MW - 13	02/11/10	**1.920**	<0.005	<0.005	<0.005	
MW - 13	05/17/10	**0.666**	<0.005	<0.005	<0.005	
MW - 13	08/16/10	**1.810**	<0.0200	0.0367	<0.0200	
MW - 13	11/10/10	**2.040**	<0.0200	<0.0200	<0.0200	
MW - 13	02/28/11	**2.160**	<0.005	0.0426	<0.005	
MW - 13	05/12/11	**3.130**	<0.0200	0.2550	<0.0200	
MW - 13	08/15/11	**0.738**	<0.0200	<0.0200	<0.0200	
MW - 13	11/22/11	**0.810**	<0.0200	0.0714	<0.0200	
MW - 13	02/28/12	**0.347**	0.140	0.1750	0.4490	
MW - 13	05/17/12	0.0059	<0.001	<0.001	<0.001	
MW - 13	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 13	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 13	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 13	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 13	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 13	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 13	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 13	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 13	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	03/02/00	**0.141**	0.032	0.056	0.038	0.008
MW - 14	04/25/00	**0.368**	0.045	0.106	0.061	0.017
MW - 14	09/06/00	**0.609**	0.015	0.124	0.024	0.020
MW - 14	11/28/00	**0.691**	0.022	0.107	0.038	0.034
MW - 14	02/21/01	**0.921**	0.061	0.194	0.114	0.088
MW - 14	05/31/01	**1.030**	0.223	0.172	0.339	
MW - 14	08/23/01	**1.780**	**0.865**	0.315	**0.491**	**0.235**
MW - 14	11/21/01	**0.623**	0.301	0.131	0.162	0.068
MW - 14	02/13/02	**0.572**	0.414	0.142	0.213	0.093
MW - 14	06/12/02	**0.718**	0.470	0.144	0.187	0.087
MW - 14	08/26/02	**0.606**	0.355	0.147	0.188	0.089
MW - 14	11/21/02	**0.850**	0.666	0.178	0.350	0.175
MW - 14	02/06/03	**1.100**	0.651	0.256	**0.450**	**0.243**
MW - 14	05/07/03	**1.880**	**1.180**	0.463	**0.839**	**0.470**
MW - 14	08/18/03	**0.833**	0.242	0.235	0.366	0.213
MW - 14	12/01/03	**0.791**	0.319	0.211	0.397	0.191
MW - 14	02/05/04	**0.763**	**0.819**	0.226	0.492	0.218

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 14	05/05/04	**0.811**	0.234	0.233	**0.580**	**0.275**
MW - 14	12/15/04	**0.071**	0.019	0.021	0.078	
MW - 14	03/22/05	**0.274**	0.017	0.049	0.313	
MW - 14	06/22/05	**0.543**	0.283	0.379	**1.130**	
MW - 14	09/21/05	**0.413**	0.159	0.318	**0.996**	
MW - 14	12/16/05	**0.361**	0.279	0.291	**0.956**	
MW - 14	03/20/06	**0.405**	0.300	0.321	**1.040**	
MW - 14	06/21/06	**0.414**	0.352	0.322	**1.060**	
MW - 14	09/27/06	**0.063**	0.096	0.075	0.222	
MW - 14	12/04/06	**0.249**	0.157	0.263	**0.954**	
MW - 14	03/14/07	**0.194**	0.292	0.220	**0.751**	
MW - 14	05/29/07	**0.212**	0.097	0.251	**0.807**	
MW - 14	08/30/07	**0.129**	0.0891	0.211	**0.671**	
MW - 14	11/12/07	**0.092**	0.0249	0.196	**0.634**	
MW - 14	03/07/08	**0.0338**	<0.001	0.0609	**0.464**	
MW - 14	06/02/08	**0.0920**	0.0310	0.1470	**0.480**	
MW - 14	09/03/08	**0.0933**	0.0025	0.2080	**0.787**	
MW - 14	12/08/08	**0.0264**	<0.001	0.0908	0.399	
MW - 14	02/19/09	Not Sampled				
MW - 14	05/20/09	**0.0456**	0.0053	0.1500	0.580	
MW - 14	08/12/09	**0.0439**	<0.001	0.1570	0.669	
MW - 14	11/25/09	**0.0181**	<0.001	0.0102	0.167	
MW - 14	05/17/10	**0.0107**	<0.001	0.0681	0.248	
MW - 14	08/16/10	<0.001	0.0024	0.0372	0.134	
MW - 14	11/10/10	0.0057	<0.001	0.0127	0.0494	
MW - 14	02/28/11	Not Sampled				
MW - 14	05/12/11	**0.0116**	<0.001	0.0575	0.1050	
MW - 14	08/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 14	11/22/11	0.0026	<0.001	0.0166	0.0318	
MW - 14	02/28/12	<0.001	<0.001	0.0242	0.0670	
MW - 14	05/17/12	<0.001	<0.001	<0.001	0.0017	
MW - 14	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 14	11/29/12	<0.001	<0.001	0.0035	0.0088	
MW - 14	02/11/13	<0.001	<0.001	0.0173	0.0444	
MW - 14	05/06/13	<0.001	<0.001	0.00740	0.0204	
MW - 14	08/06/13	<0.001	<0.001	0.0169	0.0473	
MW - 14	11/19/13	0.0019	<0.001	<0.001	<0.00300	
MW - 14	02/04/14	0.00130	<0.00100	0.00160	0.0219	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 14	05/28/14	<0.00100	<0.00100	<0.00100	0.0158	
MW - 14	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/18/14	<0.00100	<0.00100	<0.00100	0.0412	
MW - 14	02/19/15	<0.00100	<0.00100	0.00390	0.0254	
MW - 14	05/12/15	0.00210	<0.00100	0.00850	0.0445	
MW - 14	08/18/15	<0.00100	<0.00100	<0.00100	0.0126	
MW - 14	11/23/15	<0.00100	<0.00100	0.00190	0.0183	
MW - 14	02/24/16	<0.00100	<0.00100	<0.00100	0.00370	
MW - 14	06/13/16	<0.00100	<0.00100	0.00190	0.0183	
MW - 14	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 14	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 14	02/21/17	<0.00200	<0.00200	0.00421	0.00435	
MW - 14	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 14	05/07/18	<0.00200	<0.00200	<0.00200	0.00577	
MW - 14	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 14	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 14	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	11/11/19	<0.00100	<0.00100	0.00111	0.00665	
MW - 14	02/18/20	<0.00100	<0.00100	<0.00100	0.00398	
MW - 14	06/11/20	0.00194	0.00180	0.00198	0.00523	
MW - 14	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	03/02/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 15	04/25/00	**0.649**	<0.001	<0.001	0.018	0.019
MW - 15	09/06/00	**0.010**	<0.001	0.003	0.024	<0.001
MW - 15	11/28/00	**1.380**	<0.010	<0.010	0.031	<0.010
MW - 15	02/21/01	**2.870**	<0.010	0.011	0.058	<0.010
MW - 15	05/31/01	**3.830**	<0.001	0.049	0.101	
MW - 15	08/23/01	**4.600**	0.001	0.077	0.075	0.009
MW - 15	11/21/01	**4.000**	0.012	0.117	0.084	0.039
MW - 15	02/13/02	**2.910**	0.020	0.128	0.063	0.060
MW - 15	06/12/02	**5.430**	0.004	0.216	0.032	0.057

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	08/26/02	**4.590**	0.002	0.183	0.230	0.300
MW - 15	11/21/02	**8.130**	0.002	0.384	0.009	<0.001
MW - 15	02/06/03	**2.070**	<0.001	0.041	0.010	<0.001
MW - 15	05/07/03	**1.890**	<0.001	0.006	<0.001	<0.001
MW - 15	08/18/03	**1.910**	0.001	0.122	0.006	<0.001
MW - 15	12/01/03	**1.190**	<0.001	0.057	0.006	<0.001
MW - 15	02/05/04	**3.680**	0.016	0.191	0.043	0.016
MW - 15	05/05/04	**1.700**	0.026	0.085	0.030	0.027
MW - 15	12/15/04	**0.545**	<0.0200	<0.0200	<0.0200	
MW - 15	03/22/05	**2.380**	0.057	0.163	0.140	
MW - 15	06/22/05	**7.790**	0.125	0.427	0.528	
MW - 15	09/21/05	**4.470**	<0.1	0.241	0.303	
MW - 15	12/16/05	**5.650**	0.103	0.273	0.275	
MW - 15	03/20/06	**4.720**	<0.2	0.217	0.337	
MW - 15	06/21/06	**3.060**	<0.2	<0.2	<0.2	
MW - 15	09/27/06	**0.806**	<0.02	0.031	0.065	
MW - 15	12/04/06	**2.950**	<0.02	0.224	0.346	
MW - 15	03/14/07	**1.82**	<0.05	0.144	0.138	
MW - 15	05/29/07	**3.73**	<0.2	<0.2	<0.2	
MW - 15	08/30/07	**2.330**	<0.002	0.184	0.175	
MW - 15	11/12/07	**4.370**	<0.05	0.487	**0.621**	
MW - 15	03/07/08	**0.556**	<0.05	<0.05	0.135	
MW - 15	06/02/08	**1.880**	<0.010	0.164	0.210	
MW - 15	09/03/08	**4.310**	<0.0200	0.348	0.387	
MW - 15	12/08/08	**2.870**	<0.0200	0.230	0.181	
MW - 15	02/19/09	**0.673**	<0.005	0.0472	0.0094	
MW - 15	05/20/09	**2.050**	<0.005	0.2190	0.1430	
MW - 15	08/12/09	**0.510**	<0.005	0.0523	0.0653	
MW - 15	11/25/09	**1.390**	<0.005	0.0820	0.0206	
MW - 15	02/11/10	**1.640**	<0.005	0.1410	0.0821	
MW - 15	05/21/10	**0.787**	<0.005	0.0366	0.0447	
MW - 15	08/16/10	**0.819**	<0.0100	0.0350	0.0217	
MW - 15	11/10/10	**0.0785**	<0.0100	<0.0100	<0.0100	
MW - 15	02/28/11	**0.500**	<0.0200	<0.0200	<0.0200	
MW - 15	05/12/11	**4.210**	<0.0200	0.3500	0.4040	
MW - 15	08/15/11	**1.050**	<0.0200	<0.0200	<0.0200	
MW - 15	11/22/11	**1.490**	<0.0200	0.0731	0.0676	
MW - 15	02/28/12	**0.303**	<0.0200	0.1470	0.4200	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 15	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 15	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 15	11/19/13	**0.0194**	<0.001	0.0031	<0.001	
MW - 15	12/08/13	<0.00100	<0.001	0.00710	<0.00300	
MW - 15	02/04/14	<0.00100	<0.00100	0.00150	<0.00300	
MW - 15	05/28/14	**0.394**	<0.00100	0.0130	<0.00300	
MW - 15	08/23/14	**0.0254**	<0.00100	<0.00100	<0.00100	
MW - 15	11/18/14	**0.366**	<0.00100	0.0249	<0.00100	
MW - 15	02/19/15	**0.164**	<0.00100	0.0104	<0.00100	
MW - 15	05/12/15	<0.00100	<0.00100	<0.00100	0.00440	
MW - 15	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 15	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 15	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 15	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 15	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 15	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 15	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 15	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 16	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	08/18/03	0.008	0.003	<0.001	0.002	<0.001
MW - 16	12/01/03	**0.014**	0.005	0.003	0.005	0.003
MW - 16	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	06/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	09/21/05	<0.005	<0.005	<0.005	<0.005	
MW - 16	12/16/05	<0.005	<0.005	<0.005	<0.005	
MW - 16	03/20/06	<0.005	<0.005	<0.005	<0.005	
MW - 16	06/21/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	09/27/06	Not Sampled on Current Sample Schedule				
MW - 16	12/04/06	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/14/07	Not Sampled on Current Sample Schedule				
MW - 16	05/29/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/30/07	Not Sampled on Current Sample Schedule				
MW - 16	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/07/08	Not Sampled on Current Sample Schedule				
MW - 16	06/02/08	Not Sampled on Current Sample Schedule				
MW - 16	09/03/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	12/08/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/19/09	Not Sampled on Current Sample Schedule				
MW - 16	05/20/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/12/09	Not Sampled on Current Sample Schedule				
MW - 16	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/11/10	Not Sampled on Current Sample Schedule				
MW - 16	05/21/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/16/10	Not Sampled on Current Sample Schedule				
MW - 16	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/28/11	Not Sampled on Current Sample Schedule				
MW - 16	05/12/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/15/11	Not Sampled on Current Sample Schedule				
MW - 16	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/28/12	Not Sampled on Current Sample Schedule				
MW - 16	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/01/12	Not Sampled on Current Sample Schedule				
MW - 16	11/29/12	<0.001	<0.001	<0.001	<0.001	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 16	02/11/13	Not Sampled on Current Sample Schedule				
MW - 16	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 16	08/06/13	Not Sampled on Current Sample Schedule				
MW - 16	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/04/14	Not Sampled on Current Sample Schedule				
MW - 16	05/28/14	Not Sampled on Current Sample Schedule				
MW - 16	08/23/14	Not Sampled on Current Sample Schedule				
MW - 16	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/19/15	Not Sampled on Current Sample Schedule				
MW - 16	05/12/15	Not Sampled on Current Sample Schedule				
MW - 16	08/18/15	Not Sampled on Current Sample Schedule				
MW - 16	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/24/16	Not Sampled on Current Sample Schedule				
MW - 16	06/13/16	Not Sampled on Current Sample Schedule				
MW - 16	08/03/16	Not Sampled on Current Sample Schedule				
MW - 16	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 16	02/21/17	Not Sampled on Current Sample Schedule				
MW - 16	05/24/17	Not Sampled on Current Sample Schedule				
MW - 16	08/11/17	Not Sampled on Current Sample Schedule				
MW - 16	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 16	02/26/18	Not Sampled on Current Sample Schedule				
MW - 16	05/07/18	Not Sampled on Current Sample Schedule				
MW - 16	08/09/18	Not Sampled on Current Sample Schedule				
MW - 16	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 16	02/18/19	Not Sampled on Current Sample Schedule				
MW - 16	05/14/19	Not Sampled on Current Sample Schedule				
MW - 16	08/19/19	Not Sampled on Current Sample Schedule				
MW - 16	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	02/18/20	Not Sampled on Current Sample Schedule				
MW - 16	06/11/20	Not Sampled on Current Sample Schedule				
MW - 16	09/23/20	Not Sampled on Current Sample Schedule				
MW - 16	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	01/10/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	05/07/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	08/18/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	12/01/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 17	02/05/04	<0.001	<0.001	<0.001	<0.002	<0.001

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
MW - 17	05/05/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 17	09/01/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 17	12/15/04	<0.001	<0.001	<0.001	<0.001	
MW - 17	03/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	06/22/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	09/21/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	12/16/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	03/20/06	<0.001	<0.001	<0.001	<0.001	
MW - 17	06/21/06	Not Sampled				
MW - 17	08/09/06	Plugged and Abandoned				
MW - 18	08/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/25/09	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/17/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/16/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/10/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/28/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/12/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/15/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/22/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/28/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/17/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/01/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/29/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/11/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	05/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	08/06/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	11/19/13	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 18	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 18	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
MW - 18	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 18	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 18	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 18	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 18	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 18	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200	
MW - 18	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	03/22/05	Not Sampled Due to PSH in Well				
RW - 1	06/22/05	Not Sampled Due to PSH in Well				
RW - 1	09/21/05	Not Sampled Due to PSH in Well				
RW - 1	12/16/05	Not Sampled Due to PSH in Well				
RW - 1	03/20/06	Not Sampled Due to PSH in Well				
RW - 1	06/21/06	Not Sampled Due to PSH in Well				
RW - 1	09/27/06	Not Sampled Due to PSH in Well				
RW - 1	12/04/06	Not Sampled Due to PSH in Well				
RW - 1	03/14/07	Not Sampled Due to PSH in Well				
RW - 1	05/29/07	Not Sampled Due to PSH in Well				
RW - 1	08/30/07	Not Sampled Due to PSH in Well				
RW - 1	11/12/07	Not Sampled Due to PSH in Well				
RW - 1	03/07/08	Not Sampled Due to PSH in Well				
RW - 1	06/02/08	Not Sampled Due to PSH in Well				
RW - 1	09/03/08	Not Sampled Due to PSH in Well				
RW - 1	12/10/08	**10.10**	**2.440**	**0.792**	**1.500**	
RW - 1	02/19/09	Not Sampled Due to PSH in Well				
RW - 1	05/20/09	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
RW - 1	08/12/09	Not Sampled Due to PSH in Well				
RW - 1	11/25/09	**11.10**	**5.480**	**0.946**	**2.270**	
RW - 1	02/11/10	Not Sampled Due to PSH in Well				
RW - 1	05/17/10	Not Sampled Due to PSH in Well				
RW - 1	08/16/10	Not Sampled Due to PSH in Well				
RW - 1	11/10/10	Not Sampled Due to PSH in Well				
RW - 1	02/28/11	Not Sampled Due to PSH in Well				
RW - 1	05/12/11	Not Sampled Due to PSH in Well				
RW - 1	08/15/11	Not Sampled Due to PSH in Well				
RW - 1	11/22/11	Not Sampled Due to PSH in Well				
RW - 1	02/28/12	Not Sampled Due to PSH in Well				
RW - 1	05/17/12	Not Sampled Due to PSH in Well				
RW - 1	08/01/12	Not Sampled Due to PSH in Well				
RW - 1	11/29/12	Not Sampled Due to PSH in Well				
RW - 1	02/11/13	Not Sampled Due to PSH in Well				
RW - 1	05/06/13	Not Sampled Due to PSH in Well				
RW - 1	08/06/13	Not Sampled Due to PSH in Well				
RW - 1	11/18/13	Not Sampled Due to PSH in Well				
RW - 1	02/04/14	Not Sampled Due to PSH in Well				
RW - 1	05/28/14	Not Sampled Due to PSH in Well				
RW - 1	08/23/14	**2.62**	0.746	0.384	**0.797**	
RW - 1	11/18/14	Not Sampled Due to PSH in Well				
RW - 1	02/19/15	Not Sampled Due to PSH in Well				
RW - 1	05/12/15	Not Sampled Due to PSH in Well				
RW - 1	08/18/15	Not Sampled Due to PSH in Well				
RW - 1	11/23/15	Not Sampled Due to PSH in Well				
RW - 1	02/24/16	Not Sampled Due to PSH in Well				
RW - 1	06/13/16	Not Sampled Due to PSH in Well				
RW - 1	08/03/16	Not Sampled Due to PSH in Well				
RW - 1	11/28/16	Not Sampled Due to PSH in Well				
RW - 1	02/21/17	Not Sampled Due to PSH in Well				
RW - 1	05/24/17	Not Sampled Due to PSH in Well				
RW - 1	08/11/17	Not Sampled Due to PSH in Well				
RW - 1	11/28/17	Not Sampled Due to PSH in Well				
RW - 1	02/26/18	Not Sampled Due to PSH in Well				
RW - 1	05/07/18	Not Sampled Due to PSH in Well				
RW - 1	08/09/18	Not Sampled Due to PSH in Well				
RW - 1	11/14/18	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 1	02/18/19	Not Sampled Due to PSH in Well				
RW - 1	05/14/19	Not Sampled Due to PSH in Well				
RW - 1	08/19/19	Not Sampled Due to PSH in Well				
RW - 1	11/11/19	Not Sampled Due to PSH in Well				
RW - 1	02/18/20	Not Sampled Due to PSH in Well				
RW - 1	06/11/20	Not Sampled Due to PSH in Well				
RW - 1	09/23/20	Not Sampled Due to PSH in Well				
RW - 1	12/04/20	Not Sampled Due to PSH in Well				
RW - 2	08/16/10	Not Sampled Due to PSH in Well				
RW - 2	11/10/10	Not Sampled Due to PSH in Well				
RW - 2	02/28/11	Not Sampled Due to PSH in Well				
RW - 2	05/12/11	Not Sampled Due to PSH in Well				
RW - 2	08/15/11	Not Sampled Due to PSH in Well				
RW - 2	11/22/11	Not Sampled Due to PSH in Well				
RW - 2	02/28/12	Not Sampled Due to PSH in Well				
RW - 2	05/17/12	Not Sampled Due to PSH in Well				
RW - 2	08/01/12	Not Sampled Due to PSH in Well				
RW - 2	11/29/12	Not Sampled Due to PSH in Well				
RW - 2	02/11/13	Not Sampled Due to PSH in Well				
RW - 2	05/06/13	Not Sampled Due to PSH in Well				
RW - 2	08/06/13	Not Sampled Due to PSH in Well				
RW - 2	11/18/13	Not Sampled Due to PSH in Well				
RW - 2	02/04/14	Not Sampled Due to PSH in Well				
RW - 2	05/28/14	Not Sampled Due to PSH in Well				
RW - 2	08/23/14	Not Sampled Due to PSH in Well				
RW - 2	11/18/14	Not Sampled Due to PSH in Well				
RW - 2	02/19/15	Not Sampled Due to PSH in Well				
RW - 2	05/12/15	Not Sampled Due to PSH in Well				
RW - 2	08/18/15	Not Sampled Due to PSH in Well				
RW - 2	11/23/15	Not Sampled Due to PSH in Well				
RW - 2	02/24/16	Not Sampled Due to PSH in Well				
RW - 2	06/13/16	Not Sampled Due to PSH in Well				
RW - 2	08/03/16	Not Sampled Due to PSH in Well				
RW - 2	11/28/16	Not Sampled Due to PSH in Well				
RW - 2	02/21/17	Not Sampled Due to PSH in Well				
RW - 2	05/24/17	Not Sampled Due to PSH in Well				
RW - 2	08/11/17	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 2	11/28/17	Not Sampled Due to PSH in Well				
RW - 2	02/26/18	Not Sampled Due to PSH in Well				
RW - 2	05/07/18	Not Sampled Due to PSH in Well				
RW - 2	08/09/18	Not Sampled Due to PSH in Well				
RW - 2	11/14/18	Not Sampled Due to PSH in Well				
RW - 2	02/18/19	Not Sampled Due to PSH in Well				
RW - 2	05/14/19	Not Sampled Due to PSH in Well				
RW - 2	08/19/19	Not Sampled Due to PSH in Well				
RW - 2	11/11/19	Not Sampled Due to PSH in Well				
RW - 2	02/18/20	Not Sampled Due to PSH in Well				
RW - 2	06/11/20	Not Sampled Due to PSH in Well				
RW - 2	09/23/20	Not Sampled Due to PSH in Well				
RW - 2	12/04/20	Not Sampled Due to PSH in Well				
RW - 3	08/16/10	Not Sampled Due to PSH in Well				
RW - 3	11/10/10	Not Sampled Due to PSH in Well				
RW - 3	02/28/11	Not Sampled Due to PSH in Well				
RW - 3	05/12/11	Not Sampled Due to PSH in Well				
RW - 3	08/15/11	Not Sampled Due to PSH in Well				
RW - 3	11/22/11	Not Sampled Due to PSH in Well				
RW - 3	02/28/12	Not Sampled Due to PSH in Well				
RW - 3	05/17/12	Not Sampled Due to PSH in Well				
RW - 3	08/01/12	Not Sampled Due to PSH in Well				
RW - 3	11/29/12	Not Sampled Due to PSH in Well				
RW - 3	02/11/13	Not Sampled Due to PSH in Well				
RW - 3	05/06/13	Not Sampled Due to PSH in Well				
RW - 3	08/06/13	Not Sampled Due to PSH in Well				
RW - 3	11/18/13	Not Sampled Due to PSH in Well				
RW - 3	02/04/14	Not Sampled Due to PSH in Well				
RW - 3	05/28/14	Not Sampled Due to PSH in Well				
RW - 3	08/23/14	Not Sampled Due to PSH in Well				
RW - 3	11/18/14	Not Sampled Due to PSH in Well				
RW - 3	02/19/15	Not Sampled Due to PSH in Well				
RW - 3	05/12/15	Not Sampled Due to PSH in Well				
RW - 3	08/18/15	Not Sampled Due to PSH in Well				
RW - 3	11/23/15	Not Sampled Due to PSH in Well				
RW - 3	02/24/16	Not Sampled Due to PSH in Well				
RW - 3	06/13/16	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		**0.01**	**0.75**	**0.75**	**0.62**	
RW - 3	08/03/16	Not Sampled Due to PSH in Well				
RW - 3	11/28/16	Not Sampled Due to PSH in Well				
RW - 3	02/21/17	Not Sampled Due to PSH in Well				
RW - 3	05/24/17	Not Sampled Due to PSH in Well				
RW - 3	08/11/17	Not Sampled Due to PSH in Well				
RW - 3	11/28/17	Not Sampled Due to PSH in Well				
RW - 3	02/26/18	Not Sampled Due to PSH in Well				
RW - 3	05/07/18	Not Sampled Due to PSH in Well				
RW - 3	08/09/18	Not Sampled Due to PSH in Well				
RW - 3	11/14/18	Not Sampled Due to PSH in Well				
RW - 3	02/18/19	Not Sampled Due to PSH in Well				
RW - 3	05/14/19	Not Sampled Due to PSH in Well				
RW - 3	08/19/19	Not Sampled Due to PSH in Well				
RW - 3	11/11/19	Not Sampled Due to PSH in Well				
RW - 3	02/18/20	Not Sampled Due to PSH in Well				
RW - 3	06/11/20	Not Sampled Due to PSH in Well				
RW - 3	09/23/20	Not Sampled Due to PSH in Well				
RW - 3	12/04/20	Not Sampled Due to PSH in Well				
RW - 4	08/16/10	Not Sampled Due to PSH in Well				
RW - 4	11/10/10	Not Sampled Due to PSH in Well				
RW - 4	02/28/11	Not Sampled Due to PSH in Well				
RW - 4	05/12/11	Not Sampled Due to PSH in Well				
RW - 4	08/15/11	Not Sampled Due to PSH in Well				
RW - 4	11/22/11	Not Sampled Due to PSH in Well				
RW - 4	02/28/12	Not Sampled Due to PSH in Well				
RW - 4	05/17/12	Not Sampled Due to PSH in Well				
RW - 4	08/01/12	Not Sampled Due to PSH in Well				
RW - 4	11/29/12	Not Sampled Due to PSH in Well				
RW - 4	02/11/13	Not Sampled Due to PSH in Well				
RW - 4	05/06/13	Not Sampled Due to PSH in Well				
RW - 4	08/06/13	Not Sampled Due to PSH in Well				
RW - 4	11/18/13	Not Sampled Due to PSH in Well				
RW - 4	02/04/14	Not Sampled Due to PSH in Well				
RW - 4	05/28/14	Not Sampled Due to PSH in Well				
RW - 4	08/23/14	**3.37**	**2.35**	0.735	**1.60**	
RW - 4	11/18/14	Not Sampled Due to PSH in Well				
RW - 4	02/19/15	Not Sampled Due to PSH in Well				

TABLE 8

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All Concentrations are reported in mg/L

SAMPLE LOCACTION	SAMPLE DATE	EPA SW 846-8021B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENES
NMOCD REGULATORY GUIDELINE		0.01	0.75	0.75	0.62	
RW - 4	05/12/15	Not Sampled Due to PSH in Well				
RW - 4	08/18/15	Not Sampled Due to PSH in Well				
RW - 4	11/23/15	Not Sampled Due to PSH in Well				
RW - 4	02/24/16	Not Sampled Due to PSH in Well				
RW - 4	06/13/16	Not Sampled Due to PSH in Well				
RW - 4	08/03/16	Not Sampled Due to PSH in Well				
RW - 4	11/28/16	Not Sampled Due to PSH in Well				
RW - 4	02/21/17	Not Sampled Due to PSH in Well				
RW - 4	05/24/17	Not Sampled Due to PSH in Well				
RW - 4	08/11/17	Not Sampled Due to PSH in Well				
RW - 4	11/28/17	Not Sampled Due to PSH in Well				
RW - 4	02/26/18	Not Sampled Due to PSH in Well				
RW - 4	05/07/18	Not Sampled Due to PSH in Well				
RW - 4	08/09/18	Not Sampled Due to PSH in Well				
RW - 4	11/14/18	Not Sampled Due to PSH in Well				
RW - 4	02/18/19	Not Sampled Due to PSH in Well				
RW - 4	05/14/19	Not Sampled Due to PSH in Well				
RW - 4	08/19/19	Not Sampled Due to PSH in Well				
RW - 4	11/11/19	Not Sampled Due to PSH in Well				
RW - 4	02/18/20	Not Sampled Due to PSH in Well				
RW - 4	06/11/20	Not Sampled Due to PSH in Well				
RW - 4	09/23/20	Not Sampled Due to PSH in Well				
RW - 4	12/04/20	Not Sampled Due to PSH in Well				

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-2	12/10/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0109**	<0.000922	<0.000922	**0.0429**	<0.000922	**0.0587**	<0.000922	**0.232**	**0.354**	**0.417**	0.0377
MW-2	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0276**	<0.000922	**0.0378**	<0.000922	**0.207**	**0.274**	**0.337**	0.0267
MW-2	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	12/15/11	Not Sampled due to the presence of PSH.																		
MW-2	11/29/12	Not Sampled due to the presence of PSH.																		
MW-2	11/18/13	Not Sampled due to the presence of PSH.																		
MW-2	11/18/14	Not Sampled due to the presence of PSH.																		
MW-2	11/23/15	Not Sampled due to the presence of PSH.																		
MW-2	11/28/16	Not Sampled due to the presence of PSH.																		
MW-2	11/28/17	Not Sampled due to the presence of PSH.																		
MW-2	11/14/18	Not Sampled due to the presence of PSH.																		
MW-2	11/11/19	Not Sampled due to the presence of PSH.																		
MW-2	12/04/20	Not Sampled due to the presence of PSH.																		
MW-3	12/10/08	<0.000184	0.00934	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00578**	<0.000184	<0.000184	**0.024**	<0.000184	**0.0368**	<0.000184	**0.192**	**0.348**	**0.409**	0.0228
MW-3	11/25/09	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	**0.788**	<0.0370	**1.06**	<0.0370	**3.87**	**7.02**	**8.74**	0.626
MW-3	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/15/11	Not Sampled due to the presence of PSH.																		
MW-3	11/29/12	Not Sampled due to the presence of PSH.																		
MW-3	11/18/13	Not Sampled due to the presence of PSH.																		
MW-3	11/18/14	Not Sampled due to the presence of PSH.																		
MW-3	11/23/15	Not Sampled due to the presence of PSH.																		
MW-3	11/28/16	Not Sampled due to the presence of PSH.																		
MW-3	11/28/17	Not Sampled due to the presence of PSH.																		
MW-3	11/14/18	Not Sampled due to the presence of PSH.																		
MW-3	11/11/19	Not Sampled due to the presence of PSH.																		
MW-3	12/04/20	Not Sampled due to the presence of PSH.																		
MW-4	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0039**	<0.000184	**0.00376**	<0.000184	**0.0668**	**0.0435**	**0.0423**	0.00414

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-4	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0143**	<0.000917	**0.0181**	<0.000917	**0.103**	**0.118**	**0.089**	0.0123
MW-4	11/10/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00338**	<0.000184	**0.00404**	<0.000184	**0.0279**	**0.035**	**0.0188**	0.00247
MW-4	12/15/11	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	**0.00322**	<0.000187	**0.00423**	<0.000187	**0.0469**	**0.0371**	**0.0317**	0.00409
MW-4	11/29/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00306**	<0.000190	<0.000190	**0.0081**	<0.000190	**0.0123**	<0.000190	**0.0274**	**0.0289**	**0.0235**	0.00877
MW-4	11/19/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.0877**	**0.109**	**0.121**	**12.6**
MW-4	11/18/14	Not Sampled due to the presence of PSH.																		
MW-4	11/23/15	Not Sampled due to the presence of PSH.																		
MW-4	11/28/16	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571
MW-4	11/28/17	Not Sampled due to the presence of PSH.																		
MW-4	11/14/18	Not Sampled due to the presence of PSH.																		
MW-4	11/11/19	0.011	0.010	**0.025**	**<0.00097**	<0.00097	**0.0050**	<0.00097	**0.0024**	**0.059**	<0.00097	**0.013**	**0.25**	<0.00097	0.36	0.015	**7.6**			0.23
MW-4	12/04/20	Not Sampled due to the presence of PSH.																		
MW-5	12/10/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.0424	<0.000935	**0.192**	**0.301**	**0.346**	0.0316
MW-5	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00909	<0.000184	0.0104	<0.000184	**0.0905**	**0.0931**	**0.107**	0.00848
MW-5	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-5	12/15/11	Not Sampled due to the presence of PSH.																		
MW-5	11/29/12	Not Sampled due to the presence of PSH.																		
MW-5	11/18/13	Not Sampled due to the presence of PSH.																		
MW-5	11/18/14	Not Sampled due to the presence of PSH.																		
MW-5	11/23/15	Not Sampled due to the presence of PSH.																		
MW-5	11/28/16	Not Sampled due to the presence of PSH.																		
MW-5	11/28/17	Not Sampled due to the presence of PSH.																		
MW-5	14/14/18	Not Sampled due to the presence of PSH.																		
MW-5	11/11/19	Not Sampled due to the presence of PSH.																		
MW-5	12/04/20	Not Sampled due to the presence of PSH.																		
MW-6	12/10/08	<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	**0.00706**	<0.000184	**0.0921**	**0.0687**	**0.0744**	0.00635
MW-6	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0528**	<0.000922	**0.0648**	<0.000922	**0.294**	**0.498**	**0.569**	0.0467

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																	
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-6	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-6	12/15/11	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00132**	<0.000190	**0.00137**	<0.000190	**0.0179**	**0.0212**	**0.0179**	0.00158
MW-6	11/29/12	Not Sampled due to the presence of PSH.																	
MW-6	11/18/13	Not Sampled due to the presence of PSH.																	
MW-6	11/18/14	Not Sampled due to the presence of PSH.																	
MW-6	11/23/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-6	11/28/16	0.00125	0.000696	0.000640	<0.000290	0.000687	0.000477	<0.000290	0.000406	**0.00204**	<0.000290	0.000652	**0.00371**	<0.000290	**0.00758**	0.000628	0.0109			0.00350
MW-6	11/28/17	Not Sampled due to the presence of PSH.																	
MW-6	11/14/18	Not Sampled due to the presence of PSH.																	
MW-6	11/11/19	Not Sampled due to the presence of PSH.																	
MW-6	12/04/20	Not Sampled due to the presence of PSH.																	
MW-7	12/08/08	<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	0.0002	<0.000184	<0.000184	<0.000184
MW-7	11/25/09	<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-7	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																	
MW-7	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	12/10/08	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	**0.0134**	<0.000926	**0.016**	<0.000926	**0.102**	**0.122**	**0.138**	0.0127
MW-9	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0250**	<0.000917	**0.0315**	<0.000917	**0.125**	**0.221**	**0.253**	0.0201
MW-9	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	**0.001 mg/L**	**0.0001 mg/L**	**0.0007 mg/L**	**0.001 mg/L**	---	**0.001 mg/L**	**0.0002 mg/L**	**0.0003 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.0004 mg/L**	**0.001 mg/L**	**0.001 mg/L**	**0.03 mg/L**			---
MW-9	12/15/11	Not Sampled due to the presence of PSH.																		
MW-9	11/29/12	Not Sampled due to the presence of PSH.																		
MW-9	11/18/13	Not Sampled due to the presence of PSH.																		
MW-9	11/18/14	Not Sampled due to the presence of PSH.																		
MW-9	11/23/15	Not Sampled due to the presence of PSH.																		
MW-9	11/28/16	Not Sampled due to the presence of PSH.																		
MW-9	11/28/17	Not Sampled due to the presence of PSH.																		
MW-9	11/14/18	Not Sampled due to the presence of PSH.																		
MW-9	11/11/19	0.013	0.0064	**0.023**	<0.00098	**0.0015**	**0.0048**	<0.00098	**0.0038**	**0.054**	<0.00098	**0.013**	**0.29**	<0.00098	**0.49**	**0.014**	**6.2**			0.26
MW-9	12/04/20	Not Sampled due to the presence of PSH.																		
MW-10	12/08/08	<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	11/25/09	<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-10	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/08/08	<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-11	11/25/09	<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-11	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-11	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/08/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-12	11/25/09	<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-12	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/18/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000294	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00116
MW-13	11/25/09	<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	0.000638
MW-13	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-13	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/08/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000417	<0.000185	0.000311	<0.000185	0.00328	0.00314	0.00298	0.000355
MW-14	11/25/09	<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	0.00605	0.00516	0.00321	<0.000184
MW-14	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000558	<0.000184	0.000384	<0.000184	0.00993	0.00525	0.00386	0.000687
MW-15	11/25/09	<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	0.00209	0.00101	<0.000184	<0.000184
MW-15	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-15	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/15/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/18/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/25/09	<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-18	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/31/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000262
MW-18	11/29/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/19/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/18/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-18	11/23/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/28/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/28/17	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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	11/14/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/11/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/04/20	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0085**	<0.000184	**0.0104**	<0.000184	**0.075**	**0.0857**	**0.0912**	0.00817
RW-1	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0120**	<0.000184	**0.0131**	<0.000184	**0.0961**	**0.113**	**0.126**	0.0100
RW-1	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	12/15/11	Not Sampled due to the presence of PSH.																		
RW-1	11/29/12	Not Sampled due to the presence of PSH.																		
RW-1	11/18/13	Not Sampled due to the presence of PSH.																		
RW-1	11/18/14	Not Sampled due to the presence of PSH.																		
RW-1	11/23/15	Not Sampled due to the presence of PSH.																		
RW-1	11/28/16	Not Sampled due to the presence of PSH.																		
RW-1	11/28/17	Not Sampled due to the presence of PSH.																		
RW-1	11/14/18	Not Sampled due to the presence of PSH.																		
RW-1	11/11/19	Not Sampled due to the presence of PSH.																		
RW-1	12/04/20	Not Sampled due to the presence of PSH.																		
RW-2	11/10/10	Not Sampled due to the presence of PSH.																		
RW-2	12/15/11	Not Sampled due to the presence of PSH.																		
RW-2	11/29/12	Not Sampled due to the presence of PSH.																		
RW-2	11/18/13	Not Sampled due to the presence of PSH.																		
RW-2	11/18/14	Not Sampled due to the presence of PSH.																		
RW-2	11/23/15	Not Sampled due to the presence of PSH.																		
RW-2	11/28/16	Not Sampled due to the presence of PSH.																		
RW-2	11/28/17	Not Sampled due to the presence of PSH.																		
RW-2	11/14/18	Not Sampled due to the presence of PSH.																		
RW-2	11/11/19	Not Sampled due to the presence of PSH.																		
RW-2	12/04/20	Not Sampled due to the presence of PSH.																		
RW-3	11/10/10	Not Sampled due to the presence of PSH.																		

TABLE 9

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
RW-3	12/15/11	Not Sampled due to the presence of PSH.																		
RW-3	11/29/12	Not Sampled due to the presence of PSH.																		
RW-3	11/18/13	Not Sampled due to the presence of PSH.																		
RW-3	11/18/14	Not Sampled due to the presence of PSH.																		
RW-3	11/23/15	Not Sampled due to the presence of PSH.																		
RW-3	11/28/16	Not Sampled due to the presence of PSH.																		
RW-3	11/28/17	Not Sampled due to the presence of PSH.																		
RW-3	11/14/18	Not Sampled due to the presence of PSH.																		
RW-3	11/11/19	Not Sampled due to the presence of PSH.																		
RW-3	12/04/20	Not Sampled due to the presence of PSH.																		
RW-4	11/10/10	Not Sampled due to the presence of PSH.																		
RW-4	12/15/11	Not Sampled due to the presence of PSH.																		
RW-4	11/29/12	Not Sampled due to the presence of PSH.																		
RW-4	11/18/13	Not Sampled due to the presence of PSH.																		
RW-4	11/18/14	Not Sampled due to the presence of PSH.																		
RW-4	11/23/15	Not Sampled due to the presence of PSH.																		
RW-4	11/28/16	Not Sampled due to the presence of PSH.																		
RW-4	11/28/17	Not Sampled due to the presence of PSH.																		
RW-4	11/14/18	Not Sampled due to the presence of PSH.																		
RW-4	11/11/19	Not Sampled due to the presence of PSH.																		
RW-4	12/04/20	Not Sampled due to the presence of PSH.																		

TABLE 10

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		**5.0 mg/L**	**0.75 mg/L**	**0.05 mg/L**	**1.0 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**0.1 mg/L**	**1.0 mg/L**	**0.01 mg/L**	**0.05 mg/L**	**0.002 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**10 mg/L**
Post Carbon	09/02/10	0.533	0.105	<0.005	<0.005	0.119	0.197	<0.010	<0.005	<0.010	0.171	<0.005	<0.005	<0.0002	0.005	<0.020	<0.005	0.01
Post Carbon	09/10/10	<0.050	0.168	<0.005	<0.005	0.177	0.091	<0.050	<0.010	<0.010	0.243	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	<0.005
Post Carbon	09/16/10	0.057	0.216	<0.005	0.005	0.044	0.101	<0.050	<0.010	<0.010	0.28	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	0.01
Post Carbon	09/23/10	0.053	0.112	<0.005	<0.005	0.311	0.034	<0.050	<0.010	<0.010	0.194	<0.005	<0.010	<0.0002	<0.005	<0.020	<0.005	0.015
Post Carbon	11/17/11	<0.050	0.221	<0.005	<0.005	0.012	0.064	<0.050	<0.010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<0.005
Post Carbon	12/31/12	0.304	0.086	<0.0100	<0.00500	0.053	<0.00500	<0.0500	<0.0100	<0.0100	0.245	<0.0100	<0.0100	<0.000200	<0.0100	<0.0200	<0.00500	0.014
Post Carbon*	01/31/13	0.304	0.021	<0.0100	**1.09**	**8.13**	0.021	<0.0500	0.042	<0.0100	0.103	<0.0100	<0.0100	<0.000200	**0.13**	<0.0200	<0.00500	0.589
Post Carbon**	01/31/13	<0.0100	0.0981	<0.00500	<0.00500	<0.200	<0.00500	<0.00500	<0.00500	0.00696	0.217	<0.00200	<0.00500	<0.000200	<0.00500	<0.00500	<0.00500	0.00659
Post Carbon	02/28/14	<0.0500	0.0270	<0.0100	<0.00500	0.415	0.104	<0.0500	<0.0100	<0.0100	0.249	<0.0100	<0.0100	<0.000200	<0.0100	<0.0200	<0.00500	<0.0100
Post Carbon	11/25/14	0.194	0.1020	<0.0100	0.109	0.994	0.053	<0.0500	<0.0100	0.0178	0.254	<0.0100	<0.0100	<0.000200	<0.0150	<0.0200	<0.00500	0.0914
Post Carbon	10/28/15	<0.0500	0.108	<0.0100	0.00500	0.203	0.0560	<0.0500	<0.0100	<0.0100	0.239	<0.00500	<0.0100	<0.000200	<0.0150	<0.0200	<0.00500	0.0140
Post Carbon	11/28/16	<0.0500	0.102	<0.0100	0.01990	0.257	0.0778	-	-	<0.0100	0.212	<0.00500	<0.00500	<0.000100	<0.0120	0.0101	<0.00400	<0.0100
Post Carbon	03/16/17	-	-	-	-	-	-	<0.0100	<0.0100	-	-	-	-	-	-	-	-	-

TABLE 10

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		**5.0 mg/L**	**0.75 mg/L**	**0.05 mg/L**	**1.0 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**0.1 mg/L**	**1.0 mg/L**	**0.01 mg/L**	**0.05 mg/L**	**0.002 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**10 mg/L**
Post Carbon	11/30/17	<0.200	0.233	<0.0100	<0.0200	<0.200	**0.210**	<0.0100	<0.0100	<0.0100	0.296	<0.00500	<0.0100	<0.000200	<0.0100	<0.0200	<0.0200	<0.0150
Post Carbon***	12/15/17	-	-	-	-	-	0.0962	-	-	-	-	-	-	-	-	-	-	-
Post Carbon****	12/15/17	-	-	-	-	-	0.0714	-	-	-	-	-	-	-	-	-	-	-
Post Carbon**	10/30/18	0.0123	**1.40**	0.0012	0.0155	<0.200	**0.637**	0.0157	0.00441	0.00972	0.727	<0.00190	<0.00400	<0.000200	0.00242	<0.00200	<0.00200	0.0411
Pre Carbon****	11/27/18	-	0.166	-	-	-	0.0877	-	-	-	-	-	-	-	-	-	-	-
Pre Carbon***	11/27/18	-	0.163	-	-	-	0.0572	-	-	-	-	-	-	-	-	-	-	-
MW-10***	11/27/18	-	0.186	-	-	-	0.0372	-	-	-	-	-	-	-	-	-	-	-
MW-14***	11/27/18	-	0.147	-	-	-	**0.332**	-	-	-	-	-	-	-	-	-	-	-
Frac Tank***	11/27/18	-	0.152	-	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-
Blank***	11/27/18	-	0.0416	-	-	-	<0.00800	-	-	-	-	-	-	-	-	-	-	-
Post	04/22/19	-	0.234	<0.00800	0.0185	0.246	**0.400**	0.0411	<0.0080	<0.00800	0.159	<0.00800	<0.00800	<0.000250	0.0124	<0.00800	<0.00800	0.0175
Post (Rerun)	04/22/19	0.111	0.196	-	-	-	**0.408**	-	-	-	-	-	-	-	-	-	<0.00500	0.0307
Post	04/22/19	0.178	0.200	<0.00200	0.00478	0.121	**0.384**	0.0413	0.00271	0.00641	0.167	<0.000147	<0.00400	<0.0000263	<0.00200	<0.00200	<0.000251	<0.0300
Post-Carbon	07/09/19	-	0.145	-	-	-	**0.446**	-	-	-	-	-	-	-	-	-	-	-
Pre-Aeration	07/29/19	<0.0550	0.152	<0.00200	0.00327	**1.02**	0.167	<0.00200	<0.0060	0.0141	0.352	<0.00100	<0.00800	<0.000250	0.0272	0.00243	<0.00500	0.00237
Post Aeration	07/29/19	<0.0550	0.149	<0.00200	0.00906	1.00	0.163	<0.00200	<0.0060	0.0146	0.345	<0.00100	<0.00800	<0.000250	0.0259	0.00221	<0.00500	0.0203
Pre-Carbon	07/29/19	<0.0550	0.145	<0.00200	0.00324	0.546	0.160	0.00146	<0.0060	0.0138	0.335	<0.00100	<0.00800	<0.000250	0.0259	0.00287	<0.00500	0.0119
Post Carbon	07/29/19	0.0794	0.123	<0.00200	0.00551	0.467	**0.384**	0.00272	<0.0060	0.0114	0.342	<0.00100	<0.00800	<0.000250	0.0246	0.00390	<0.00500	0.00831
Post Metals	01/23/20	<0.0550	0.0651	<0.00200	0.00375	0.348	0.119	<0.00200	<0.0060	0.0157	0.245	<0.00100	<0.0910	<0.000250	<0.0110	0.0190	<0.00500	0.0173
Post-Metals	02/28/20	0.0138	0.141	<0.00800	0.0205	0.172	0.106	<0.00800	<0.0080	0.00934	0.373	<0.00800	<0.00800	<0.000250	0.00999	<0.00800	<0.00800	<0.00800

TABLE 10

HISTORICAL NMWQCC METALS CONCENTRATIONS IN EFFLUENT GROUNDWATER
PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	Total Aluminum	Total Boron	Total Cobalt	Total Copper	Total Iron	Total Manganese	Total Molybdenum	Total Nickel	Total Arsenic	Total Barium	Total Cadmium	Total Chromium	Total Mercury	Total Lead	Total Selenium	Total Silver	Total Zinc
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		**5.0 mg/L**	**0.75 mg/L**	**0.05 mg/L**	**1.0 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**1.0 mg/L**	**0.2 mg/L**	**0.1 mg/L**	**1.0 mg/L**	**0.01 mg/L**	**0.05 mg/L**	**0.002 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**0.05 mg/L**	**10 mg/L**
Post-Metals	03/25/20	<0.0200	0.175	<0.00800	0.0146	0.205	0.123	<0.00800	<0.0080	<0.00800	0.258	<0.00800	<0.00800	<0.000250	<0.00800	<0.00800	<0.00800	0.0318
Post-Metals	05/26/20	0.0194	0.107	<0.00500	<0.00200	<0.200	0.0766	<0.00500	<0.00200	0.00710	0.217	<0.00200	<0.00400	<0.0000800	<0.00200	0.00227	<0.00200	0.00749
Post-Metals	06/18/20	0.0197	0.0975	<0.00200	<0.00200	<0.00200	0.0513	<0.00500	<0.00200	0.00674	0.244	<0.00200	<0.00400	<0.000200	<0.00200	0.00210	<0.00200	0.00474
Post-Metals	07/14/20	<0.0550	0.176	<0.00800	0.00636	0.260	0.0210	0.00255	<0.0080	0.0110	0.319	<0.00800	<0.0200	<0.000250	0.00864	<0.00400	<0.00800	0.0165
Post-Metals	08/25/20	<0.0550	0.114	<0.00200	0.0241	0.443	0.0856	0.00348	<0.0060	0.00818	0.631	<0.00100	<0.0910	<0.000250	<0.0110	<0.00400	<0.00500	0.0151
Post-Metals	09/29/20	<0.0550	0.234	<0.00800	0.00485	0.0462	0.183	<0.00800	<0.0080	0.00877	0.303	<0.00800	<0.00800	<0.000250	0.00802	<0.00800	<0.00800	0.0131
Post-Metals	11/03/20	<0.0200	0.150	<0.00800	0.0208	**1.03**	**0.261**	<0.00800	<0.0080	0.00665	0.294	<0.00800	<0.00800	<0.000250	0.0113	0.00342	<0.00800	0.555
Post-Metals	11/17/20	<0.0400	0.170	<0.00800	0.0141	0.249	0.0939	0.00371	<0.0080	0.00742	0.288	<0.00800	<0.0200	<0.000250	0.0156	<0.00800	<0.00800	0.0326

*Sample analysis conducted by TraceAnalysis, Inc.
**Sample analysis conducted by ALS Environmental Laboritories.
***Sample analysis conducted by Permian Basin Environmental Lab L.P.
****Sample analysis conducted by Xenco Laboratories
N/A - Laboratory failed to complete the analysis on the eight RCRA metals

TABLE 11

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		**0.01**	**0.75**	**0.75**	**0.62**
09/02/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/10/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/16/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/23/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
10/25/10	Post Carbon	<0.001	<0.001	<0.001	<0.001
11/23/10	Post Carbon	0.0047	<0.001	<0.001	<0.001
01/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
02/28/11	Post Carbon	**0.0319**	0.037	0.0338	0.0992
03/18/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
04/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
07/13/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
07/28/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
08/16/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
09/21/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
10/27/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
11/17/11	Post Carbon	<0.001	<0.001	<0.001	<0.001
01/26/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
02/28/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/29/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
05/24/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/03/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
12/31/12	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
01/31/13	Post Carbon*	<0.00100	<0.00100	<0.00100	<0.00100
02/27/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/28/13	Post Carbon**	**0.114**	0.0406	0.0059	0.059
04/12/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/24/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/29/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/29/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/25/13	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/30/13	Post Carbon	<0.00100	<0.00100	<0.00300	<0.00300
11/26/13	Post Carbon	0.00150	<0.00100	<0.00300	<0.00300
12/26/13	Post Carbon	<0.00100	<0.00100	<0.00300	<0.00300
01/31/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.003
02/28/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
03/26/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 11

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		**0.01**	**0.75**	**0.75**	**0.62**
04/30/14	Post Carbon***	**0.733**	0.141	0.0997	0.316
05/13/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
05/27/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
06/24/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00300
07/28/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/27/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/30/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/29/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/25/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
12/17/14	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/25/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/30/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/27/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
08/24/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/08/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/23/15	Post Carbon****	0.03570	0.0035	0.0021	0.0117
09/29/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/28/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/19/15	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
01/20/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
02/29/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
03/28/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
04/27/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
05/24/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
06/28/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
07/25/16	Post Carbon	0.00430	<0.00100	<0.00100	0.00140
08/29/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
09/30/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
10/31/16	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00100
11/28/16	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00200
01/24/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00200
03/08/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
03/30/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
04/28/17	Post Carbon	<0.00200	<0.00150	<0.00200	<0.00200
05/30/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
06/29/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
07/31/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400

TABLE 11

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		**0.01**	**0.75**	**0.75**	**0.62**
09/11/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
09/27/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
11/30/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
12/28/17	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
01/30/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
02/27/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
03/26/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
04/30/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
06/04/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
07/17/18	Post Carbon	<0.00200	<0.00200	<0.00200	<0.00400
10/30/18	Post Carbon	<0.00100	<0.0100	<0.00500	<0.0200
11/15/18	Post Carbon	<0.00100	<0.0100	<0.00500	<0.0200
04/22/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
07/09/19	Post Carbon	<0.00100	<0.0100	<0.0100	<0.00200
01/23/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
02/28/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
03/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
05/26/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
06/18/20	Post Carbon	<0.00100	<0.00500	<0.00500	<0.00500
07/14/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
08/25/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
09/29/20	Post Carbon	0.00189	<0.00100	<0.00100	<0.00200
11/03/20	Post Carbon	<0.00100	<0.00100	<0.00100	<0.00200
11/17/20	Post Carbon	0.00230	<0.00100	<0.00100	<0.00200

Samples were not collected in the months of April, June, July, September, October, and November of 2012 due to bad weather and/or repairs.

Samples were not collected in the months of April and May 2013 due to system manintenence and repairs.

**Resampled 12/31/12 Post Carbon sample due to WQCC Metal analytical results exceeding WQCC regulatory standards.*
***Resampled 3/12/13 Post Carbon sample due to inconsistent analytical results, results likely due to field error.*
****Resampled 5/13/14 Post Carbon sample due to inconsistent analytical results, results likely due to field error.*
*****Resampled 9/29/15 Post Carbon sample due to inconsistent analytical results, results*

TABLE 11

HISTORICAL BTEX CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

Results and Regulatory Guidelines in mg/L

Sample Date	Sample Location	Benzene	Toluene	Ethylbenzene	Xylenes
NMOCD Regulatory Guideline		**0.01**	**0.75**	**0.75**	**0.62**

likely due to field error.
Sample was not collected in the month of December 2016 due to system failire resulting from very cold temperature.
Samples were not collected in the months of May, August, September, and December 2018 due to system repairs.

TABLE 12

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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**			---
Post Carbon	01/28/11	<0.000188	<0.000188	<0.000188		<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188
Post Carbon	02/28/11	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
Post Carbon	03/18/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
Post Carbon	04/28/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	05/01/11	PAH Analysis not conducted - System inoperable due to mechanical issues																		
Post Carbon	06/01/11	PAH Analysis not conducted due to elevated BTEX concentrations																		
Post Carbon	07/13/11	PAH Analysis inadvertently not conducted																		
Post Carbon	07/28/11	PAH Analysis inadvertently not conducted																		
Post Carbon	08/16/11	<0.0002	<0.0002	<0.0002	**0.000213**	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000216	<0.0002	<0.0002	<0.0002	0.000238	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	09/21/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00101	0.00158	0.00102	<0.0002
Post Carbon	10/27/11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Post Carbon	11/17/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
Post Carbon	01/26/12	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
Post Carbon	02/28/12	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
Post Carbon	03/29/12	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	05/24/12	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	08/03/12	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	12/31/12	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
Post Carbon*	01/31/13	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
Post Carbon	02/27/13	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201
Post Carbon	04/12/13	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220
Post Carbon	06/24/13	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211	<0.000211
Post Carbon	07/29/13	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201
Post Carbon	08/29/13	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195

TABLE 12

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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**			---
Post Carbon	09/25/13	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197
Post Carbon	10/30/13	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
Post Carbon	11/26/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	12/26/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	01/31/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	02/28/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	03/26/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon**	05/13/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	05/27/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	06/24/14	PAH Analysis inadvertently not conducted																		
Post Carbon	07/28/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	09/30/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	10/29/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	11/25/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	12/17/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	03/25/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	06/30/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	07/27/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
Post Carbon	09/23/15	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202	<0.000202
Post Carbon	09/29/15	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195
Post Carbon	10/28/15	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196
Post Carbon	11/19/15	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195

TABLE 12

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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			---
Post Carbon***	01/20/16	<0.0000329	<0.0000575	<0.0000318	<0.0000714	<0.0000414	<0.0000703	<0.0000514	<0.0000555	<0.0000803	<0.0000556	<0.0000632	<0.0000780	<0.0000532	<0.0000511	<0.0000411	<0.0000649	<0.0000656	<0.0000511	<0.0000601
Post Carbon***	02/29/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	03/28/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	04/27/16	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000635	<0.0000784	<0.0000534	<0.0000513	<0.0000413	<0.0000653	<0.0000660	<0.0000513	<0.0000604
Post Carbon***	05/24/16	<0.0000325	<0.0000569	<0.0000314	<0.0000706	<0.0000410	<0.0000696	<0.0000509	<0.0000550	<0.0000795	<0.0000551	<0.0000625	<0.0000772	<0.0000526	<0.0000506	<0.0000407	<0.0000643	<0.0000650	<0.0000506	<0.0000595
Post Carbon***	06/28/16	<0.0000315	<0.0000551	<0.0000304	<0.0000684	<0.0000396	<0.0000673	<0.0000492	<0.0000532	<0.0000769	<0.0000533	<0.0000605	<0.0000747	<0.0000509	<0.0000489	<0.0000393	<0.0000622	<0.0000628	<0.0000489	<0.0000575
Post Carbon***	07/25/16	<0.0000324	<0.0000567	<0.0000313	<0.0000704	<0.0000408	<0.0000693	<0.0000506	<0.0000548	<0.0000792	<0.0000548	<0.0000623	<0.0000769	<0.0000524	<0.0000504	<0.0000405	<0.0000640	<0.0000647	<0.0000504	<0.0000592
Post Carbon***	08/29/16	<0.0000307	<0.0000538	<0.0000297	<0.0000668	<0.0000387	<0.0000657	<0.0000480	<0.0000519	<0.0000751	<0.0000520	<0.0000591	<0.0000730	<0.0000497	<0.0000478	<0.0000384	<0.0000607	<0.0000614	<0.0000478	<0.0000562
Post Carbon***	09/30/16	<0.0000325	<0.0000569	<0.0000314	<0.0000706	<0.0000410	<0.0000696	<0.0000509	<0.0000550	<0.0000795	<0.0000551	0.000131	<0.0000772	<0.0000526	<0.0000506	0.000182	<0.0000643	0.000114	0.000219	<0.0000595
Post Carbon***	10/31/16	<0.0000306	<0.0000536	<0.0000296	<0.0000665	<0.0000385	<0.0000655	<0.0000478	<0.0000517	<0.0000748	<0.0000518	<0.0000588	<0.0000726	<0.0000495	<0.0000476	0.000130	<0.0000605	0.0000991	0.000186	<0.0000560
Post Carbon	11/28/16	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000288	<0.000228
Post Carbon	01/24/17	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278	<0.000278			<0.000278
Post Carbon	03/08/17	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273	<0.000273		<0.000273		<0.000273
Post Carbon	03/30/17	PAH Analysis not conducted due to laboratory error																		
Post Carbon	04/28/17	PAH Analysis inadvertently not conducted																		
Post Carbon	05/30/17	<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		<0.000369		<0.000185
Post Carbon	06/29/17	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187		<0.000375		<0.000187
Post Carbon	07/31/17	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182		<0.000364		<0.000182
Post Carbon	09/11/17	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108		0.000699		<0.000108
Post Carbon	09/27/17	<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		<0.000369		<0.000185
Post Carbon	11/30/17	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181		0.000200		<0.000181

TABLE 12

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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**			---
Post Carbon	12/28/17	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000181	<0.000362			<0.000181
Post Carbon	01/30/18	PAH Analysis not conducted due to laboratory error																		
Post Carbon	02/27/18	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109			<0.000109
Post Carbon	03/26/18	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110			<0.000110
Post Carbon	04/30/18	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	0.000534			<0.000110
Post Carbon	06/04/08	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110			<0.000110
Post Carbon	07/18/18	<0.000109	<0.000109	0.000111	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	0.000137	<0.000109	0.000417	<0.000109	0.000332			0.000187
Post Carbon	10/30/18	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011			<0.00011
Post Carbon	11/15/18	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	04/01/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	07/09/19	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	01/23/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099
Post Carbon	02/28/20	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097			<0.000097
Post Carbon	03/25/20	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098			<0.000098
Post Carbon	05/26/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099
Post Carbon	06/18/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	07/14/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	08/25/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	09/29/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	11/17/20	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			<0.00010
Post Carbon	11/17/20	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099			<0.000099

Samples were not taken in the months of April, June, July, September, October, and November of 2012 due to bad weather and/or repairs.

TABLE 12

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN EFFLUENT GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 TOWNSEND
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0294

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			---

*Resampled Post Carbon due to WQCC Metal sample results of 12/31/12 exceeding WQCC standards.
**Resampled Post Carbon sample due to inconsistent analytical results of 4/30/14, likely due to field error.

Appendix A
2020 Laboratory Analytical Reports

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location:

Lab Order Number: 0B19002

NELAP/TCEQ # T104704516-17-8

Report Date: 02/26/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13	0B19002-01	Water	02/18/20 14:50	02-19-2020 08:16
MW18	0B19002-02	Water	02/18/20 15:10	02-19-2020 08:16
MW15	0B19002-03	Water	02/18/20 15:35	02-19-2020 08:16
MW14	0B19002-04	Water	02/18/20 16:05	02-19-2020 08:16

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW13

0B19002-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.3 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW18

0B19002-02 (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	P0B2103	02/21/20	02/21/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.7 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.0 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

MW15

0B19002-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.6 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*		*80-120*	*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW14

0B19002-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (p/m)	**0.00398**	0.00200	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0B2103	02/21/20	02/21/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.8 %*	*80-120*		*P0B2103*	*02/21/20*	*02/21/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0B2103 - General Preparation (GC)										
Blank (P0B2103-BLK1)				Prepared & Analyzed: 02/21/20						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.5*	*80-120*			
LCS (P0B2103-BS1)				Prepared & Analyzed: 02/21/20						
Benzene	0.106	0.00100	mg/L	0.100		106	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)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
LCS Dup (P0B2103-BSD1)				Prepared & Analyzed: 02/21/20						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120	1.42	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	0.680	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120	0.911	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120	1.78	20	
Xylene (o)	0.103	0.00100	"	0.100		103	80-120	2.37	20	
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P0B2103-CCB1)				Prepared & Analyzed: 02/21/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0B2103 - General Preparation (GC)										
Calibration Blank (P0B2103-CCB2)				Prepared & Analyzed: 02/21/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Calibration Check (P0B2103-CCV1)				Prepared & Analyzed: 02/21/20						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0981	0.00100	"	0.100		98.1	80-120			
Ethylbenzene	0.0983	0.00100	"	0.100		98.3	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Calibration Check (P0B2103-CCV2)				Prepared & Analyzed: 02/21/20						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0998	0.00100	"	0.100		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P0B2103-CCV3)				Prepared: 02/21/20 Analyzed: 02/22/20						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0986	0.00100	"	0.100		98.6	80-120			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.5	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B2103 - General Preparation (GC)										
Matrix Spike (P0B2103-MS1)	**Source: 0B19001-01**			Prepared: 02/21/20 Analyzed: 02/22/20						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120			
Toluene	0.0995	0.00100	"	0.100	ND	99.5	80-120			
Ethylbenzene	0.102	0.00100	"	0.100	ND	102	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200	ND	100	80-120			
Xylene (o)	0.0949	0.00100	"	0.100	ND	94.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 2/26/2020

Brent Barron, Laboratory Director/Technical Director

PBEL

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Curt Stanley
Company Name: TRC Solutions
Company Address: 10 Desta Dr
City/State/Zip: Midland Tx 79705
Telephone No: (432)
Fax No:
Sampler Signature: Glenn Hamel
e-mail:

Project Name: Townsend 97-4
Project #:
Project Loc:
PO #:
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 0B19002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
1	MW13			2-18	1450		3	X		X						GW					X		
2	MW18			"	1510		3	X		X						GW					X		X
3	MW15			"	1535		3	X		X						GW					X		
4	MW14			"	1605		3	X		X						GW					X		

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Glenn Hamel	2-19-20	8:10			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				2-19-20	8:14

Laboratory Comments:
Sample Containers Intact? Y N
VOGs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ?
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: °C
Adjusted: 2.8 °C Factor

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 9704 Townsend
Project Number: [none]
Location:

Lab Order Number: 0F12003

NELAP/TCEQ # T104704516-17-8

Report Date: 06/19/20

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

Project: TNM 9704 Townsend
Project Number: [none]
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13	0F12003-01	Water	06/11/20 13:08	06-12-2020 09:23
MW18	0F12003-02	Water	06/11/20 13:40	06-12-2020 09:23
MW15	0F12003-03	Water	06/11/20 14:03	06-12-2020 09:23
MW14	0F12003-04	Water	06/11/20 14:42	06-12-2020 09:23

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

MW13

0F12003-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.000500	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.7 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

MW18

0F12003-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.000500	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.6 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

MW15

0F12003-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.000500	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.9 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

MW14

0F12003-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00194**	0.000500	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Toluene	**0.00180**	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Ethylbenzene	**0.00198**	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (p/m)	**0.00523**	0.00200	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0F1202	06/12/20	06/12/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*79.1 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*91.5 %*	*80-120*		*P0F1202*	*06/12/20*	*06/12/20*	*EPA 8021B*	

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

Project: TNM 9704 Townsend
Project Number: [none]
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F1202 - General Preparation (GC)										
Blank (P0F1202-BLK1)				Prepared & Analyzed: 06/12/20						
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	*0.101*		"	*0.120*		*84.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.1*	*80-120*			
LCS (P0F1202-BS1)				Prepared & Analyzed: 06/12/20						
Benzene	0.0978	0.00100	mg/L	0.100		97.8	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		101	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.101*		"	*0.120*		*84.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			
LCS Dup (P0F1202-BSD1)				Prepared & Analyzed: 06/12/20						
Benzene	0.0980	0.00100	mg/L	0.100		98.0	80-120	0.184	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	2.85	20	
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120	2.83	20	
Xylene (p/m)	0.209	0.00200	"	0.200		104	80-120	2.82	20	
Xylene (o)	0.112	0.00100	"	0.100		112	80-120	2.33	20	
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*80-120*			
Calibration Blank (P0F1202-CCB1)				Prepared & Analyzed: 06/12/20						
Benzene	0.00		mg/L							
Toluene	0.800		"							
Ethylbenzene	0.780		"							
Xylene (p/m)	1.68		"							
Xylene (o)	0.570		"							
Surrogate: 4-Bromofluorobenzene	*0.101*		"	*0.120*		*84.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			

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

Project: TNM 9704 Townsend
Project Number: [none]
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F1202 - General Preparation (GC)										
Calibration Blank (P0F1202-CCB2)				Prepared & Analyzed: 06/12/20						
Benzene	0.00		mg/L							
Toluene	0.680		"							
Ethylbenzene	0.950		"							
Xylene (p/m)	1.82		"							
Xylene (o)	0.470		"							
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Calibration Check (P0F1202-CCV1)				Prepared & Analyzed: 06/12/20						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Calibration Check (P0F1202-CCV2)				Prepared & Analyzed: 06/12/20						
Benzene	0.0997	0.00100	mg/L	0.100		99.7	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.2*	*80-120*			
Calibration Check (P0F1202-CCV3)				Prepared: 06/12/20 Analyzed: 06/13/20						
Benzene	0.0979	0.00100	mg/L	0.100		97.9	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.5	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F1202 - General Preparation (GC)										
Matrix Spike (P0F1202-MS1)		**Source: 0F12002-01**		Prepared: 06/12/20 Analyzed: 06/13/20						
Benzene	0.106	0.00100	mg/L	0.100	0.00303	103	80-120			
Toluene	0.107	0.00100	"	0.100	0.00133	106	80-120			
Ethylbenzene	0.123	0.00100	"	0.100	0.00185	121	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200	0.00568	99.1	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0992*		*"*	*0.120*		*82.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Matrix Spike Dup (P0F1202-MSD1)		**Source: 0F12002-01**		Prepared: 06/12/20 Analyzed: 06/13/20						
Benzene	0.108	0.00100	mg/L	0.100	0.00303	105	80-120	1.50	20	
Toluene	0.109	0.00100	"	0.100	0.00133	108	80-120	1.64	20	
Ethylbenzene	0.128	0.00100	"	0.100	0.00185	126	80-120	3.78	20	
Xylene (p/m)	0.223	0.00200	"	0.200	0.00568	109	80-120	9.23	20	
Xylene (o)	0.115	0.00100	"	0.100	ND	115	80-120	9.95	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: [none]	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/19/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Curt Stanley
Company Name: TRC Solutions
Company Address: 10 Desta Dr
City/State/Zip: Midland Tx 79705
Telephone No: 432 520-7720 Fax No:
Sampler Signature: e-mail:

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

(lab use only)
ORDER #: CF12003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW 13			6-11	1308		3	X		X						GW			X		X
2	MW 18				1340																
3	MW 15				1403																
4	MW 14				1442																

TCLP:
TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	6-12	9:23			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Nina Beduze	6/12/20	9:23

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: Received: 4.7 °C Adjusted 5.7 °C Factor +1.0

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 9704 Townsend
Project Number: TNM 9704 Townsend
Location:

Lab Order Number: 0I25017

NELAP/TCEQ # T104704516-17-8

Report Date: 09/30/20

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

Project: TNM 9704 Townsend
Project Number: TNM 9704 Townsend
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13	0I25017-01	Water	09/23/20 14:20	09-25-2020 14:47
MW18	0I25017-02	Water	09/23/20 14:52	09-25-2020 14:47
MW15	0I25017-03	Water	09/23/20 15:14	09-25-2020 14:47
MW14	0I25017-04	Water	09/23/20 15:36	09-25-2020 14:47

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 9704 Townsend	
Midland TX, 79705	Project Manager: Curt Stanley	

MW13

0I25017-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 9704 Townsend	
Midland TX, 79705	Project Manager: Curt Stanley	

MW18

0I25017-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 9704 Townsend	
Midland TX, 79705	Project Manager: Curt Stanley	

MW15

0I25017-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*120 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 9704 Townsend	
Midland TX, 79705	Project Manager: Curt Stanley	

MW14

0I25017-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0I2807	09/28/20	09/29/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*80-120*		*P0I2807*	*09/28/20*	*09/29/20*	*EPA 8021B*	

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

Project: TNM 9704 Townsend
Project Number: TNM 9704 Townsend
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0I2807 - General Preparation (GC)										
Blank (P0I2807-BLK1)				Prepared & Analyzed: 09/28/20						
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	*0.144*		*"*	*0.120*		*120*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*100*	*80-120*			
LCS (P0I2807-BS1)				Prepared & Analyzed: 09/28/20						
Benzene	0.0933	0.00100	mg/L	0.100		93.3	80-120			
Toluene	0.0931	0.00100	"	0.100		93.1	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.4	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.150*		*"*	*0.120*		*125*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.7*	*80-120*			
LCS Dup (P0I2807-BSD1)				Prepared & Analyzed: 09/28/20						
Benzene	0.0906	0.00100	mg/L	0.100		90.6	80-120	2.99	20	
Toluene	0.0929	0.00100	"	0.100		92.9	80-120	0.301	20	
Ethylbenzene	0.0900	0.00100	"	0.100		90.0	80-120	2.91	20	
Xylene (p/m)	0.192	0.00200	"	0.200		95.8	80-120	2.65	20	
Xylene (o)	0.113	0.00100	"	0.100		113	80-120	2.34	20	
Surrogate: 4-Bromofluorobenzene	*0.147*		*"*	*0.120*		*123*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Calibration Blank (P0I2807-CCB1)				Prepared & Analyzed: 09/28/20						
Benzene	0.00		mg/L							
Toluene	0.670		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.320		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.136*		*"*	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

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

Project: TNM 9704 Townsend
Project Number: TNM 9704 Townsend
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0I2807 - General Preparation (GC)										
Calibration Blank (P0I2807-CCB2)				Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.00		mg/L							
Toluene	0.460		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.135*		*"*	*0.120*		*112*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Calibration Blank (P0I2807-CCB3)				Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.00		mg/L							
Toluene	0.570		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.153*		*"*	*0.120*		*128*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*80-120*			
Calibration Check (P0I2807-CCV1)				Prepared & Analyzed: 09/28/20						
Benzene	0.0838	0.00100	mg/L	0.100		83.8	80-120			
Toluene	0.0836	0.00100	"	0.100		83.6	80-120			
Ethylbenzene	0.0930	0.00100	"	0.100		93.0	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		84.8	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.143*		*"*	*0.120*		*119*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P0I2807-CCV2)				Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.0928	0.00100	mg/L	0.100		92.8	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.9	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.148*		*"*	*0.120*		*124*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			

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

Project: TNM 9704 Townsend
Project Number: TNM 9704 Townsend
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0I2807 - General Preparation (GC)										
Calibration Check (P0I2807-CCV3)				Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.0884	0.00100	mg/L	0.100		88.4	80-120			
Toluene	0.0890	0.00100	"	0.100		89.0	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.9	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.120*		*117*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Matrix Spike (P0I2807-MS1)		**Source: 0I25015-01**		Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.0856	0.00100	mg/L	0.100	ND	85.6	80-120			
Toluene	0.0857	0.00100	"	0.100	ND	85.7	80-120			
Ethylbenzene	0.110	0.00100	"	0.100	ND	110	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200	ND	87.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.144*		*"*	*0.120*		*120*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Matrix Spike Dup (P0I2807-MSD1)		**Source: 0I25015-01**		Prepared: 09/28/20 Analyzed: 09/29/20						
Benzene	0.0848	0.00100	mg/L	0.100	ND	84.8	80-120	0.974	20	
Toluene	0.0861	0.00100	"	0.100	ND	86.1	80-120	0.442	20	
Ethylbenzene	0.108	0.00100	"	0.100	ND	108	80-120	1.59	20	
Xylene (p/m)	0.171	0.00200	"	0.200	ND	85.7	80-120	2.23	20	
Xylene (o)	0.0994	0.00100	"	0.100	ND	99.4	80-120	3.38	20	
Surrogate: 4-Bromofluorobenzene	*0.138*		*"*	*0.120*		*115*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 9704 Townsend	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 9704 Townsend	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/30/2020

Brent Barron, Laboratory Director/Technical Director

PBEL LAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Curt Stanley
Company Name: TRC
Company Address: 10 Desta Dr
City/State/Zip: Midland Tx 79705
Telephone No: 432) 520-7720
Fax No:
Sampler Signature: Manny
e-mail:

Project Name: Townsend
Project #:
Project Loc:
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OI25017

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH by TX 1005 8015B 8015M	Chloride	BTEX by 8021B	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW 13			9-23-20	1420		3	X		X						GW			X		X
2	MW 18				1452																
3	MW 15				1514																
4	MW 14				1536																

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	9-25-20	247			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	9-25-2	247

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 5.0 °C
Adjusted: 5.0 °C Factor CF1.L2

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0L29001

NELAP/TCEQ # T104704516-17-8

Report Date: 12/31/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7	0L29001-01	Water	12/24/20 12:31	12-29-2020 08:31
MW-10	0L29001-02	Water	12/24/20 12:49	12-29-2020 08:31
MW-11	0L29001-03	Water	12/24/20 13:12	12-29-2020 08:31
MW-12	0L29001-04	Water	12/24/20 13:33	12-29-2020 08:31
MW-16	0L29001-05	Water	12/24/20 13:51	12-29-2020 08:31

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW-7

0L29001-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*86.0 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW-10

0L29001-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*84.2 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW-11

0L29001-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.6 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW-12

0L29001-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*82.5 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

MW-16

0L29001-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0L3002	12/30/20	12/30/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.6 %*	*80-120*		*P0L3002*	*12/30/20*	*12/30/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0L3002 - General Preparation (GC)										
Blank (P0L3002-BLK1)				Prepared & Analyzed: 12/30/20						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.0966*		*"*	*0.120*		*80.5*	*80-120*			
LCS (P0L3002-BS1)				Prepared & Analyzed: 12/30/20						
Benzene	0.0956	0.00100	mg/L	0.100		95.6	80-120			
Toluene	0.0801	0.00100	"	0.100		80.1	80-120			
Ethylbenzene	0.0908	0.00100	"	0.100		90.8	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.3	80-120			
Xylene (o)	0.0808	0.00100	"	0.100		80.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.9*	*80-120*			
LCS Dup (P0L3002-BSD1)				Prepared & Analyzed: 12/30/20						
Benzene	0.0823	0.00100	mg/L	0.100		82.3	80-120	14.9	20	
Toluene	0.0801	0.00100	"	0.100		80.1	80-120	0.0874	20	
Ethylbenzene	0.0832	0.00100	"	0.100		83.2	80-120	8.78	20	
Xylene (p/m)	0.162	0.00200	"	0.200		81.1	80-120	4.99	20	
Xylene (o)	0.0828	0.00100	"	0.100		82.8	80-120	2.43	20	
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			
Calibration Blank (P0L3002-CCB1)				Prepared & Analyzed: 12/30/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.6*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0L3002 - General Preparation (GC)										
Calibration Blank (P0L3002-CCB2)				Prepared & Analyzed: 12/30/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.8*	*80-120*			
Calibration Check (P0L3002-CCV1)				Prepared & Analyzed: 12/30/20						
Benzene	0.0952	0.00100	mg/L	0.100		95.2	80-120			
Toluene	0.0853	0.00100	"	0.100		85.3	80-120			
Ethylbenzene	0.0928	0.00100	"	0.100		92.8	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120			
Xylene (o)	0.0943	0.00100	"	0.100		94.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.2*	*80-120*			
Calibration Check (P0L3002-CCV2)				Prepared & Analyzed: 12/30/20						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.0910	0.00100	"	0.100		91.0	80-120			
Ethylbenzene	0.0949	0.00100	"	0.100		94.9	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0973	0.00100	"	0.100		97.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.1*	*80-120*			
Matrix Spike (P0L3002-MS1)		**Source: 0L29001-01**		Prepared & Analyzed: 12/30/20						
Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120			
Toluene	0.0871	0.00100	"	0.100	ND	87.1	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200	ND	99.8	80-120			
Xylene (o)	0.0942	0.00100	"	0.100	ND	94.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0L3002 - General Preparation (GC)										
Matrix Spike Dup (P0L3002-MSD1)	**Source: 0L29001-01**			Prepared & Analyzed: 12/30/20						
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120	4.93	20	
Toluene	0.0806	0.00100	"	0.100	ND	80.6	80-120	7.81	20	
Ethylbenzene	0.0946	0.00100	"	0.100	ND	94.6	80-120	9.25	20	
Xylene (p/m)	0.181	0.00200	"	0.200	ND	90.4	80-120	9.91	20	
Xylene (o)	0.0854	0.00100	"	0.100	ND	85.4	80-120	9.73	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.5*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
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Fax: (432) 520-7701

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/31/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Curt Stanley
Company Name: TRC
Company Address: 10 Desta Dr
City/State/Zip: Midland Tx 79705
Telephone No: 432) 520-7720 Fax No:
Sampler Signature:
e-mail:

Project Name: - 9704
Project #:
Project Loc:
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OL29001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005 TX 1006	TOTAL: Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW 7			12-24-20	1231			X		X						GW			X		X
2	MW 10				1249																
3	MW 11				1312																
4	MW 12				1333																
5	MW 16				1351																

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Manny	12-29-20				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by/PBEL: Megan Dutt	12/29/20	8:31

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: 9.1 °C
Adjusted: 10.1 °C Factor: CF +1.2

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0A24023

NELAP/TCEQ # T104704516-17-8

Report Date: 02/20/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post Metals	0A24023-01	Water	01/23/20 19:00	01-24-2020 12:05

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post Metals

0A24023-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by EPA / Standard Methods									
Silver	ND	0.00500	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1
Arsenic	**0.0157**	0.00800	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Barium	**0.245**	0.00100	mg/L	1	P0B1101	02/11/20	02/12/20	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P0B1103	02/11/20	02/13/20	EPA 6010B	QAL1
Chromium	ND	0.0910	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1
Copper	**0.00375**	0.00200	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Iron	**0.348**	0.0400	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0A3008	01/30/20	02/03/20	EPA 7470A	QAL1
Manganese	**0.119**	0.0200	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Molybdenum	ND	0.00200	mg/L	1	P0B1102	02/11/20	02/12/20	EPA 6010B	QAL1
Nickel	ND	0.0060	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Lead	ND	0.0110	mg/L	1	P0B1105	02/11/20	02/14/20	EPA 6010B	QAL1
Selenium	**0.0190**	0.00400	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1
Zinc	**0.0173**	0.00100	mg/L	1	P0B1104	02/11/20	02/19/20	EPA 6010B	QAL1
Metals by EPA 6000/7000 Series Methods									
Boron	**0.0651**	0.0520	mg/L	1	P0B1101	02/11/20	02/12/20	EPA 6010B	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0A3008 - EPA 7470A										
Blank (P0A3008-BLK1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0A3008-BS1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.18	0.250	ug/l	2.00		109	80-120			QAL1
LCS Dup (P0A3008-BSD1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.20	0.250	ug/l	2.00		110	80-120	0.913	20	QAL1
Calibration Blank (P0A3008-CCB1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.00		ug/l							QAL1
Calibration Blank (P0A3008-CCB2)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.00		ug/l							QAL1
Calibration Check (P0A3008-CCV1)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.870	0.250	ug/l	0.800		109	85-115			QAL1
Calibration Check (P0A3008-CCV2)				Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	0.900	0.250	ug/l	0.800		112	85-115			QAL1
Matrix Spike (P0A3008-MS1)		**Source: 0A27002-01**		Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.23	0.250	ug/l	2.00	ND	112	75-125			QAL1
Matrix Spike Dup (P0A3008-MSD1)		**Source: 0A27002-01**		Prepared: 01/30/20 Analyzed: 02/03/20						
Mercury	2.21	0.250	ug/l	2.00	ND	110	75-125	0.901	20	QAL1
Batch P0B1101 - * DEFAULT PREP *** **										
Blank (P0B1101-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Manganese	ND	0.0200	mg/L							QAL1
Barium	ND	0.00100	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Copper	ND	0.00200	"							QAL1
Cadmium	ND	0.00100	"							QAL1
Silver	0.00545	0.00500	"							QAL1
Selenium	0.00838	0.00400	"							QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1101 - * DEFAULT PREP *** **										
LCS (P0B1101-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Selenium	0.158	0.00400	mg/L	0.160		98.9	80-120			QAL1
Cadmium	0.0816	0.00100	"	0.0800		102	80-120			QAL1
Copper	0.0804	0.00200	"	0.0800		100	80-120			QAL1
Arsenic	0.0830	0.00800	"	0.0800		104	80-120			QAL1
Barium	0.0795	0.00100	"	0.0800		99.4	80-120			QAL1
Silver	0.0192	0.00500	"	0.0200		96.2	80-120			QAL1
Manganese	0.0804	0.0200	"	0.0800		101	80-120			QAL1
LCS Dup (P0B1101-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Selenium	0.161	0.00400	mg/L	0.160		101	80-120	1.77	20	QAL1
Cadmium	0.0820	0.00100	"	0.0800		102	80-120	0.443	20	QAL1
Barium	0.0796	0.00100	"	0.0800		99.5	80-120	0.122	20	QAL1
Copper	0.0810	0.00200	"	0.0800		101	80-120	0.688	20	QAL1
Arsenic	0.0833	0.00800	"	0.0800		104	80-120	0.366	20	QAL1
Silver	0.0179	0.00500	"	0.0200		89.4	80-120	7.37	20	QAL1
Manganese	0.0810	0.0200	"	0.0800		101	80-120	0.685	20	QAL1
Duplicate (P0B1101-DUP1)		**Source: 0A10003-05**		Prepared: 02/11/20 Analyzed: 02/12/20						
Arsenic	0.0336	0.00800	mg/L		0.0346			2.91	20	QAL1
Barium	0.689	0.00100	"		0.689			0.0168	20	QAL1
Silver	ND	0.00500	"		ND				20	QAL1
Copper	0.914	0.00200	"		0.930			1.66	20	QAL1
Selenium	0.0850	0.00400	"		0.0805			5.55	20	QAL1
Cadmium	0.0424	0.00100	"		0.0428			0.978	20	QAL1
Manganese	0.000361	0.0200	"		0.000405			11.7	20	QAL1
Duplicate (P0B1101-DUP2)		**Source: 0A10003-06**		Prepared: 02/11/20 Analyzed: 02/12/20						
Manganese	0.754	0.0200	mg/L		0.742			1.57	20	QAL1
Cadmium	ND	0.00100	"		ND				20	QAL1
Barium	ND	0.00100	"		0.000909				20	QAL1
Copper	ND	0.00200	"		ND				20	QAL1
Arsenic	ND	0.00800	"		ND				20	QAL1
Silver	0.0786	0.00500	"		0.0782			0.507	20	QAL1
Selenium	ND	0.00400	"		0.00527				20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1101 - * DEFAULT PREP *** **										
Duplicate (P0B1101-DUP3)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/18/20						
Manganese	0.801	0.0200	mg/L		0.828			3.39	20	QAL1
Copper	0.179	0.00200	"		0.186			4.05	20	QAL1
Cadmium	0.282	0.00100	"		0.288			2.10	20	QAL1
Arsenic	0.228	0.00800	"		0.232			1.88	20	QAL1
Barium	1.52	0.00100	"		1.66			8.78	20	QAL1
Silver	0.527	0.00500	"		0.525			0.451	20	QAL1
Selenium	0.617	0.00400	"		0.601			2.57	20	QAL1
Matrix Spike (P0B1101-MS1)	**Source: 0A24023-01**			Prepared: 02/11/20 Analyzed: 02/12/20						
Silver	0.0140	0.00500	mg/L	0.0200	ND	70.0	75-125			QAL1
Selenium	0.154	0.00400	"	0.160	0.0190	84.7	75-125			QAL1
Manganese	0.196	0.0200	"	0.0800	0.119	95.8	75-125			QAL1
Copper	0.0827	0.00200	"	0.0800	0.00375	98.6	75-125			QAL1
Cadmium	0.0787	0.00100	"	0.0800	ND	98.4	75-125			QAL1
Barium	0.330	0.00100	"	0.0800	0.245	106	75-125			QAL1
Arsenic	0.0929	0.00800	"	0.0800	0.0157	96.5	75-125			QAL1
Matrix Spike Dup (P0B1101-MSD1)	**Source: 0A24023-01**			Prepared: 02/11/20 Analyzed: 02/12/20						
Manganese	0.194	0.0200	mg/L	0.0800	0.119	94.2	75-125	0.665	20	QAL1
Copper	0.0805	0.00200	"	0.0800	0.00375	96.0	75-125	2.61	20	QAL1
Cadmium	0.0790	0.00100	"	0.0800	ND	98.8	75-125	0.379	20	QAL1
Barium	0.326	0.00100	"	0.0800	0.245	102	75-125	1.09	20	QAL1
Selenium	0.155	0.00400	"	0.160	0.0190	84.8	75-125	0.156	20	QAL1
Arsenic	0.0937	0.00800	"	0.0800	0.0157	97.6	75-125	0.945	20	QAL1
Silver	0.0179	0.00500	"	0.0200	ND	89.6	75-125	24.6	20	QAL1
Reference (P0B1101-SRM1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Copper	0.591		mg/L	0.600		98.5	80-120			QAL1
Cadmium	0.0111		"	0.0103		108	80-120			QAL1
Arsenic	0.0376		"	0.0367		102	80-120			QAL1
Selenium	0.0852		"	0.0867		98.3	80-120			QAL1
Barium	0.753		"	0.783		96.1	80-120			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1101 - * DEFAULT PREP *** **										
Reference (P0B1101-SRM2)				Prepared: 02/11/20 Analyzed: 02/12/20						
Silver	0.0770		mg/L	0.103		74.8	80-120			QAL1
Manganese	0.0516		"	0.0500		103	80-120			QAL1
Reference (P0B1101-SRM3)				Prepared: 02/11/20 Analyzed: 02/12/20						
Silver	0.102		mg/L	0.103		99.1	80-120			QAL1
Manganese	0.659		"	0.0500		NR	80-120			QAL1
Batch P0B1102 - * DEFAULT PREP *** **										
Blank (P0B1102-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.00660	0.00200	mg/L							QAL1
LCS (P0B1102-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.167	0.00200	mg/L	0.160		104	80-120			QAL1
LCS Dup (P0B1102-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.168	0.00200	mg/L	0.160		105	80-120	0.586	20	QAL1
Duplicate (P0B1102-DUP1)		**Source: 0A10003-06**		Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.108	0.00200	mg/L		0.104			3.82	20	QAL1
Duplicate (P0B1102-DUP2)		**Source: 0A24011-02**		Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.120	0.00200	mg/L		0.122			2.19	20	QAL1
Duplicate (P0B1102-DUP3)		**Source: 0A24011-03**		Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	ND	0.00200	mg/L		0.00201				20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1102 - * DEFAULT PREP *** **										
Matrix Spike (P0B1102-MS1)	**Source: 0A24011-03**			Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.150	0.00200	mg/L	0.160	0.00201	92.8	75-125			QAL1
Matrix Spike Dup (P0B1102-MSD1)	**Source: 0A24011-03**			Prepared: 02/11/20 Analyzed: 02/12/20						
Molybdenum	0.159	0.00200	mg/L	0.160	0.00201	98.1	75-125	5.53	20	QAL1
Reference (P0B1102-SRM1)				Prepared: 02/11/20 Analyzed: 02/18/20						
Molybdenum	0.134		mg/L	0.113		119	80-120			QAL1
Reference (P0B1102-SRM2)				Prepared: 02/11/20 Analyzed: 02/18/20						
Molybdenum	0.474		mg/L	0.433		109	80-120			QAL1
Batch P0B1103 - * DEFAULT PREP *** **										
Blank (P0B1103-BLK1)				Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	ND	0.00200	mg/L							QAL1
LCS (P0B1103-BS1)				Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.0835	0.00200	mg/L	0.0800		104	80-120			QAL1
LCS Dup (P0B1103-BSD1)				Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.0831	0.00200	mg/L	0.0800		104	80-120	0.482	20	QAL1
Duplicate (P0B1103-DUP1)	**Source: 0A10003-05**			Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	ND	0.00200	mg/L		ND				20	QAL1
Duplicate (P0B1103-DUP2)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.672	0.00200	mg/L		0.649			3.62	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
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Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1103 - * DEFAULT PREP *** **										
Duplicate (P0B1103-DUP3)	**Source: 0A24011-11**			Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	ND	0.00200	mg/L		ND				20	QAL1
Matrix Spike (P0B1103-MS1)	**Source: 0A24011-11**			Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.0835	0.00200	mg/L	0.0800	ND	104	75-125			QAL1
Matrix Spike Dup (P0B1103-MSD1)	**Source: 0A24011-11**			Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.0825	0.00200	mg/L	0.0800	ND	103	75-125	1.23	20	QAL1
Reference (P0B1103-SRM2)				Prepared: 02/11/20 Analyzed: 02/13/20						
Cobalt	0.279		mg/L	0.270		103	74-126			QAL1
Batch P0B1104 - * DEFAULT PREP *** **										
Blank (P0B1104-BLK1)				Prepared: 02/11/20 Analyzed: 02/19/20						
Aluminum	ND	0.0550	mg/L							QAL1
Zinc	0.00372	0.00100	"							QAL1
Chromium	ND	0.0910	"							QAL1
LCS (P0B1104-BS1)				Prepared: 02/11/20 Analyzed: 02/19/20						
Aluminum	0.373	0.0550	mg/L	0.320		116	80-120			QAL1
Zinc	0.165	0.00100	"	0.160		103	80-120			QAL1
Chromium	0.157	0.0910	"	0.160		98.0	80-120			QAL1
LCS Dup (P0B1104-BSD1)				Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.168	0.00100	mg/L	0.160		105	80-120	1.75	20	QAL1
Chromium	0.153	0.0910	"	0.160		95.6	80-120	2.58	20	QAL1
Aluminum	0.355	0.0550	"	0.320		111	80-120	4.73	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1104 - * DEFAULT PREP *** **										
Duplicate (P0B1104-DUP1)	**Source: 0A10003-05**			Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	0.118	0.0910	mg/L		0.125			5.41	20	QAL1
Aluminum	ND	0.0550	"		ND				20	QAL1
Duplicate (P0B1104-DUP2)	**Source: 0A10003-06**			Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	ND	0.0910	mg/L		ND				20	QAL1
Zinc	0.262	0.00100	"		0.259			1.17	20	QAL1
Aluminum	0.460	0.0550	"		0.221			70.1	20	QAL1
Duplicate (P0B1104-DUP3)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	1.14	0.00100	mg/L		1.15			1.46	20	QAL1
Aluminum	3.27	0.0550	"		3.42			4.34	20	QAL1
Chromium	0.553	0.0910	"		0.555			0.282	20	QAL1
Duplicate (P0B1104-DUP4)	**Source: 0A24011-03**			Prepared: 02/11/20 Analyzed: 02/19/20						
Aluminum	ND	0.0550	mg/L		ND				20	QAL1
Zinc	0.00472	0.00100	"		0.00436			8.04	20	QAL1
Chromium	ND	0.0910	"		ND				20	QAL1
Matrix Spike (P0B1104-MS1)	**Source: 0A24011-03**			Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	0.152	0.0910	mg/L	0.160	ND	95.3	75-125			QAL1
Aluminum	0.361	0.0550	"	0.320	ND	113	75-125			QAL1
Zinc	0.170	0.00100	"	0.160	0.00436	103	75-125			QAL1
Matrix Spike Dup (P0B1104-MSD1)	**Source: 0A24011-03**			Prepared: 02/11/20 Analyzed: 02/19/20						
Zinc	0.169	0.00100	mg/L	0.160	0.00436	103	75-125	0.380	20	QAL1
Chromium	0.155	0.0910	"	0.160	ND	96.7	75-125	1.49	20	QAL1
Aluminum	0.341	0.0550	"	0.320	ND	106	75-125	5.93	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1104 - * DEFAULT PREP *** **										
Reference (P0B1104-SRM1)				Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	0.130		mg/L	0.153		85.1	80-120			QAL1
Reference (P0B1104-SRM2)				Prepared: 02/11/20 Analyzed: 02/19/20						
Aluminum	0.665		mg/L	0.667		99.7	80-120			QAL1
Zinc	1.58		"	1.63		96.7	80-120			QAL1
Reference (P0B1104-SRM3)				Prepared: 02/11/20 Analyzed: 02/19/20						
Chromium	0.279		mg/L	0.300		93.0	63-136			QAL1
Aluminum	0.632		"	0.600		105	60-140			QAL1
Zinc	0.981		"	0.977		100	80-120			QAL1
Batch P0B1105 - * DEFAULT PREP *** **										
Blank (P0B1105-BLK1)				Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	ND	0.0400	mg/L							QAL1
Lead	ND	0.0110	"							QAL1
Nickel	ND	0.0060	"							QAL1
LCS (P0B1105-BS1)				Prepared: 02/11/20 Analyzed: 02/14/20						
Lead	0.332	0.0110	mg/L	0.320		104	80-120			QAL1
Nickel	0.0827	0.0060	"	0.0800		103	80-120			QAL1
Iron	0.349	0.0400	"	0.320		109	80-120			QAL1
LCS Dup (P0B1105-BSD1)				Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	0.317	0.0400	mg/L	0.320		99.0	80-120	9.67	20	QAL1
Nickel	0.0843	0.0060	"	0.0800		105	80-120	1.99	20	QAL1
Lead	0.326	0.0110	"	0.320		102	80-120	1.94	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1105 - * DEFAULT PREP *** **										
Duplicate (P0B1105-DUP1)	**Source: 0A10003-05**			Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	ND	0.0400	mg/L		ND				20	QAL1
Lead	0.0262	0.0110	"		0.0267			1.79	20	QAL1
Nickel	0.426	0.0060	"		0.422			0.924	20	QAL1
Duplicate (P0B1105-DUP2)	**Source: 0A10003-06**			Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	1.61	0.0400	mg/L		1.66			2.91	20	QAL1
Lead	ND	0.0110	"		ND				20	QAL1
Nickel	ND	0.0060	"		ND				20	QAL1
Duplicate (P0B1105-DUP3)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/14/20						
Nickel	0.681	0.0060	mg/L		0.672			1.38	20	QAL1
Iron	0.636	0.0400	"		0.634			0.396	20	QAL1
Lead	0.667	0.0110	"		0.659			1.20	20	QAL1
Matrix Spike (P0B1105-MS1)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/14/20						
Lead	1.00	0.0110	mg/L	0.320	0.659	108	75-125			QAL1
Nickel	0.763	0.0060	"	0.0800	0.672	114	75-125			QAL1
Iron	0.984	0.0400	"	0.320	0.634	110	75-125			QAL1
Matrix Spike Dup (P0B1105-MSD1)	**Source: 0A24011-02**			Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	1.01	0.0400	mg/L	0.320	0.634	117	75-125	2.30	20	QAL1
Lead	1.01	0.0110	"	0.320	0.659	108	75-125	0.0730	20	QAL1
Nickel	0.760	0.0060	"	0.0800	0.672	109	75-125	0.453	20	QAL1
Reference (P0B1105-SRM1)				Prepared: 02/11/20 Analyzed: 02/14/20						
Nickel	0.485		mg/L	0.470		103	80-120			QAL1
Lead	0.0869		"	0.0867		100	80-120			QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0B1105 - * DEFAULT PREP *** **										
Reference (P0B1105-SRM2)				Prepared: 02/11/20 Analyzed: 02/14/20						
Iron	0.578		mg/L	0.600		96.3	80-120			QAL1
Reference (P0B1105-SRM3)				Prepared: 02/11/20 Analyzed: 02/14/20						
Nickel	1.12		mg/L	1.10		102	80-120			QAL1
Lead	0.480		"	0.467		103	80-120			QAL1
Iron	2.73		"	2.85		95.9	80-120			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Metals by EPA 6000/7000 Series 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 P0B1101 - * DEFAULT PREP *** **										
Blank (P0B1101-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	ND	0.0520	mg/L							
LCS (P0B1101-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.0831	0.0520	mg/L	0.0800		104	80-120			
LCS Dup (P0B1101-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.0833	0.0520	mg/L	0.0800		104	80-120	0.241	20	
Duplicate (P0B1101-DUP1)		**Source: 0A10003-05**		Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	ND	0.0520	mg/L		ND				20	
Duplicate (P0B1101-DUP2)		**Source: 0A10003-06**		Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	1.79	0.0520	mg/L		1.76			1.81	20	
Duplicate (P0B1101-DUP3)		**Source: 0A24011-02**		Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	ND	0.0520	mg/L		ND				20	
Matrix Spike (P0B1101-MS1)		**Source: 0A24023-01**		Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.145	0.0520	mg/L	0.0800	0.0651	99.5	75-125			
Matrix Spike Dup (P0B1101-MSD1)		**Source: 0A24023-01**		Prepared: 02/11/20 Analyzed: 02/12/20						
Boron	0.143	0.0520	mg/L	0.0800	0.0651	98.0	75-125	0.849	20	

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 2/20/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OA24023

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	Post-Metals	NA	NA	1/23/2020	19:00		1	X	X							S	X	X	X												X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 1-24-20	Time 1205

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		N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: °C
Adjusted: 2.0+1.0 °C Factor

30 CFC

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0C02018

NELAP/TCEQ # T104704516-17-8

Report Date: 03/13/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0C02018-01	Water	02/28/20 13:45	03-02-2020 10:40

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0C02018-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by EPA / Standard Methods									
Silver	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Aluminum	**0.0138**	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Arsenic	**0.00934**	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Barium	**0.373**	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Copper	**0.0205**	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Iron	**0.172**	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0C0507	03/05/20	03/06/20	EPA 7470A	QAL1
Manganese	**0.106**	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Molybdenum	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Lead	**0.00999**	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1
Zinc	ND	0.00800	mg/L	1	P0C0403	03/04/20	03/09/20	EPA 6010B	QAL1
Metals by EPA 6000/7000 Series Methods									
Boron	**0.141**	0.00800	mg/L	1	P0C0403	03/04/20	03/12/20	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0403 - General Preparation (Metals)										
Blank (P0C0403-BLK1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Iron	ND	0.00800	mg/L							QAL1
Cobalt	ND	0.00800	"							QAL1
Zinc	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Copper	ND	0.00800	"							QAL1
Barium	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Selenium	ND	0.00800	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Manganese	ND	0.00800	"							QAL1
Nickel	ND	0.0080	"							QAL1
Aluminum	0.00880	0.00800	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Silver	ND	0.00800	"							QAL1
LCS (P0C0403-BS1)				Prepared: 03/04/20 Analyzed: 03/09/20						
Nickel	0.0418	0.0080	mg/L	0.0400		105	80-120			QAL1
Copper	0.0472	0.00800	"	0.0400		118	80-120			QAL1
Manganese	0.0366	0.00800	"	0.0400		91.5	80-120			QAL1
Lead	0.0423	0.00800	"	0.0400		106	80-120			QAL1
Cadmium	0.0409	0.00800	"	0.0400		102	80-120			QAL1
Molybdenum	0.0401	0.00800	"	0.0400		100	80-120			QAL1
Selenium	0.0416	0.00800	"	0.0400		104	80-120			QAL1
Iron	0.0402	0.00800	"	0.0400		100	80-120			QAL1
Silver	0.0370	0.00800	"	0.0400		92.5	80-120			QAL1
Aluminum	0.0460	0.00800	"	0.0400		115	80-120			QAL1
Cobalt	0.0409	0.00800	"	0.0400		102	80-120			QAL1
Zinc	0.0417	0.00800	"	0.0400		104	80-120			QAL1
Arsenic	0.0406	0.00800	"	0.0400		101	80-120			QAL1
Chromium	0.0427	0.00800	"	0.0400		107	80-120			QAL1
Barium	0.0365	0.00800	"	0.0400		91.2	80-120			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0403 - General Preparation (Metals)										
LCS Dup (P0C0403-BSD1)				Prepared: 03/04/20 Analyzed: 03/09/20						
Manganese	0.0358	0.00800	mg/L	0.0400		89.6	80-120	2.11	20	QAL1
Aluminum	0.0440	0.00800	"	0.0400		110	80-120	4.44	20	QAL1
Iron	0.0407	0.00800	"	0.0400		102	80-120	1.23	20	QAL1
Arsenic	0.0422	0.00800	"	0.0400		105	80-120	3.81	20	QAL1
Selenium	0.0431	0.00800	"	0.0400		108	80-120	3.68	20	QAL1
Nickel	0.0411	0.0080	"	0.0400		103	80-120	1.71	20	QAL1
Lead	0.0421	0.00800	"	0.0400		105	80-120	0.490	20	QAL1
Copper	0.0470	0.00800	"	0.0400		118	80-120	0.273	20	QAL1
Silver	0.0350	0.00800	"	0.0400		87.5	80-120	5.56	20	QAL1
Cobalt	0.0401	0.00800	"	0.0400		100	80-120	1.98	20	QAL1
Zinc	0.0407	0.00800	"	0.0400		102	80-120	2.39	20	QAL1
Molybdenum	0.0401	0.00800	"	0.0400		100	80-120	0.0215	20	QAL1
Chromium	0.0416	0.00800	"	0.0400		104	80-120	2.71	20	QAL1
Barium	0.0364	0.00800	"	0.0400		90.9	80-120	0.316	20	QAL1
Cadmium	0.0394	0.00800	"	0.0400		98.5	80-120	3.65	20	QAL1
Calibration Blank (P0C0403-CCB1)				Prepared: 03/04/20 Analyzed: 03/09/20						
Manganese	-0.0000288		mg/L							QAL1
Silver	0.00909		"							QAL1
Aluminum	0.0105		"							QAL1
Iron	0.00961		"							QAL1
Arsenic	0.00339		"							QAL1
Chromium	-0.000456		"							QAL1
Cadmium	0.000675		"							QAL1
Cobalt	0.0000229		"							QAL1
Barium	-0.000389		"							QAL1
Copper	0.00543		"							QAL1
Zinc	-0.0000851		"							QAL1
Selenium	0.00440		"							QAL1
Molybdenum	0.000904		"							QAL1
Lead	0.000392		"							QAL1
Nickel	-0.00166		"							QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0403 - General Preparation (Metals)										
Calibration Blank (P0C0403-CCB2)				Prepared: 03/04/20 Analyzed: 03/09/20						
Copper	0.00986		mg/L							QAL1
Selenium	0.0000109		"							QAL1
Barium	-0.000655		"							QAL1
Chromium	-0.000675		"							QAL1
Aluminum	0.00930		"							QAL1
Cadmium	-0.00000426		"							QAL1
Silver	-0.000000966		"							QAL1
Manganese	-0.0000801		"							QAL1
Lead	0.00134		"							QAL1
Cobalt	0.0000693		"							QAL1
Zinc	-0.000145		"							QAL1
Molybdenum	0.000211		"							QAL1
Nickel	0.000149		"							QAL1
Iron	0.0111		"							QAL1
Arsenic	0.000580		"							QAL1
Calibration Check (P0C0403-CCV1)				Prepared: 03/04/20 Analyzed: 03/09/20						
Cadmium	0.0414	0.00800	mg/L	0.0400		104	90-110			QAL1
Lead	0.0421	0.00800	"	0.0400		105	90-110			QAL1
Molybdenum	0.0413	0.00800	"	0.0400		103	90-110			QAL1
Cobalt	0.0399	0.00800	"	0.0400		99.8	90-110			QAL1
Manganese	0.0378	0.00800	"	0.0400		94.6	90-110			QAL1
Barium	0.0361	0.00800	"	0.0400		90.3	90-110			QAL1
Zinc	0.0357	0.00800	"	0.0400		89.3	90-110			QAL1
Copper	0.0467	0.00800	"	0.0400		117	90-110			QAL1
Arsenic	0.0433	0.00800	"	0.0400		108	90-110			QAL1
Aluminum	0.0430	0.00400	"	0.0400		108	85-115			QAL1
Selenium	0.0440	0.00800	"	0.0400		110	90-110			QAL1
Iron	0.0363	0.00800	"	0.0400		90.7	90-110			QAL1
Nickel	0.0423	0.0080	"	0.0400		106	90-110			QAL1
Chromium	0.0437	0.00800	"	0.0400		109	90-110			QAL1
Silver	0.0638	0.00800	"	0.0400		159	90-110			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0403 - General Preparation (Metals)										
Calibration Check (P0C0403-CCV2)				Prepared: 03/04/20 Analyzed: 03/09/20						
Cadmium	0.0362	0.00800	mg/L	0.0400		90.4	90-110			QAL1
Silver	0.0529	0.00800	"	0.0400		132	90-110			QAL1
Selenium	0.0402	0.00800	"	0.0400		100	90-110			QAL1
Manganese	0.0325	0.00800	"	0.0400		81.3	90-110			QAL1
Molybdenum	0.0388	0.00800	"	0.0400		97.0	90-110			QAL1
Aluminum	0.0460	0.00400	"	0.0400		115	85-115			QAL1
Arsenic	0.0428	0.00800	"	0.0400		107	90-110			QAL1
Iron	0.0371	0.00800	"	0.0400		92.8	90-110			QAL1
Nickel	0.0416	0.0080	"	0.0400		104	90-110			QAL1
Chromium	0.0424	0.00800	"	0.0400		106	90-110			QAL1
Copper	0.0498	0.00800	"	0.0400		124	90-110			QAL1
Barium	0.0342	0.00800	"	0.0400		85.4	90-110			QAL1
Zinc	0.0364	0.00800	"	0.0400		90.9	90-110			QAL1
Cobalt	0.0377	0.00800	"	0.0400		94.2	90-110			QAL1
Lead	0.0381	0.00800	"	0.0400		95.2	90-110			QAL1
Duplicate (P0C0403-DUP1)		**Source: 0C02018-01**		Prepared: 03/04/20 Analyzed: 03/12/20						
Arsenic	0.00849	0.00800	mg/L		0.00934			9.43	20	QAL1
Cadmium	ND	0.00800	"		ND				20	QAL1
Aluminum	0.0149	0.00800	"		0.0138			7.82	20	QAL1
Silver	ND	0.00800	"		ND				20	QAL1
Barium	0.374	0.00800	"		0.373			0.287	20	QAL1
Nickel	ND	0.0080	"		ND				20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1
Copper	0.0192	0.00800	"		0.0205			6.54	20	QAL1
Iron	0.379	0.00800	"		0.172			75.0	20	QAL1, R
Manganese	0.106	0.00800	"		0.106			0.115	20	QAL1
Molybdenum	ND	0.00800	"		ND				20	QAL1, R
Lead	0.00834	0.00800	"		0.00999			18.0	20	QAL1
Cobalt	ND	0.00800	"		ND				20	QAL1
Selenium	ND	0.00800	"		ND				20	QAL1, R
Zinc	ND	0.00800	"		ND				20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0403 - General Preparation (Metals)										
Matrix Spike (P0C0403-MS1)	**Source: 0C02018-01**			Prepared: 03/04/20 Analyzed: 03/09/20						
Copper	0.0589	0.00800	mg/L	0.0400	0.0205	95.8	75-125			QAL1
Aluminum	0.0537	0.00800	"	0.0400	0.0138	99.8	75-125			QAL1
Molybdenum	0.0412	0.00800	"	0.0400	ND	103	75-125			QAL1
Zinc	0.0472	0.00800	"	0.0400	ND	118	75-125			QAL1
Selenium	0.0437	0.00800	"	0.0400	ND	109	75-125			QAL1
Silver	0.0516	0.00800	"	0.0400	ND	129	75-125			QAL1, QM-07
Iron	0.221	0.00800	"	0.0400	0.172	122	75-125			QAL1
Arsenic	0.0483	0.00800	"	0.0400	0.00934	97.3	75-125			QAL1
Manganese	0.134	0.00800	"	0.0400	0.106	69.4	75-125			QAL1, QM-07
Nickel	0.0391	0.0080	"	0.0400	ND	97.8	75-125			QAL1
Cadmium	0.0372	0.00800	"	0.0400	ND	93.0	75-125			QAL1
Lead	0.0467	0.00800	"	0.0400	0.00999	91.8	75-125			QAL1
Cobalt	0.0367	0.00800	"	0.0400	ND	91.8	75-125			QAL1
Chromium	0.0410	0.00800	"	0.0400	ND	103	75-125			QAL1
Barium	0.399	0.00800	"	0.0400	0.373	66.6	75-125			QAL1, QM-07
Matrix Spike Dup (P0C0403-MSD1)	**Source: 0C02018-01**			Prepared: 03/04/20 Analyzed: 03/12/20						
Aluminum	0.0540	0.00800	mg/L	0.0400	0.0138	101	75-125	0.556	20	QAL1
Silver	0.0502	0.00800	"	0.0400	ND	126	75-125	2.75	20	QAL1, QM-07
Lead	0.0514	0.00800	"	0.0400	0.00999	104	75-125	9.53	20	QAL1
Manganese	0.138	0.00800	"	0.0400	0.106	80.1	75-125	3.12	20	QAL1
Copper	0.0620	0.00800	"	0.0400	0.0205	104	75-125	5.11	20	QAL1
Cobalt	0.0380	0.00800	"	0.0400	ND	95.0	75-125	3.40	20	QAL1
Iron	0.223	0.00800	"	0.0400	0.172	127	75-125	0.764	20	QAL1, QM-07
Cadmium	0.0382	0.00800	"	0.0400	ND	95.4	75-125	2.65	20	QAL1
Nickel	0.0408	0.0080	"	0.0400	ND	102	75-125	4.23	20	QAL1
Barium	0.412	0.00800	"	0.0400	0.373	98.2	75-125	3.12	20	QAL1
Selenium	0.0443	0.00800	"	0.0400	ND	111	75-125	1.40	20	QAL1
Chromium	0.0425	0.00800	"	0.0400	ND	106	75-125	3.51	20	QAL1
Arsenic	0.0494	0.00800	"	0.0400	0.00934	100	75-125	2.27	20	QAL1
Zinc	0.0488	0.00800	"	0.0400	ND	122	75-125	3.40	20	QAL1
Molybdenum	0.0418	0.00800	"	0.0400	ND	104	75-125	1.31	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0507 - General Preparation (Metals)										
Blank (P0C0507-BLK1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0C0507-BS1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	1.61	0.250	ug/l	2.00		80.5	80-120			QAL1
LCS Dup (P0C0507-BSD1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	1.72	0.250	ug/l	2.00		86.0	80-120	6.61	20	QAL1
Calibration Blank (P0C0507-CCB1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	-0.390		ug/l							QAL1
Calibration Blank (P0C0507-CCB2)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	0.00		ug/l							QAL1
Calibration Check (P0C0507-CCV1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	0.810	0.250	ug/l	0.800		101	90-110			QAL1
Calibration Check (P0C0507-CCV2)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	0.440	0.250	ug/l	0.400		110	90-110			QAL1
Duplicate (P0C0507-DUP1)		**Source: 0C02018-01**		Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	ND	0.250	ug/l		ND				20	QAL1
Matrix Spike (P0C0507-MS1)		**Source: 0C02018-01**		Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	1.53	0.250	ug/l	2.00	ND	76.5	75-125			QAL1
Matrix Spike Dup (P0C0507-MSD1)		**Source: 0C02018-01**		Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	1.60	0.250	ug/l	2.00	ND	80.0	75-125	4.47	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
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Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C0507 - General Preparation (Metals)										
Reference (P0C0507-SRM1)				Prepared: 03/05/20 Analyzed: 03/06/20						
Mercury	0.460	0.250	ug/l	0.400		115	0-200			QAL1

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Metals by EPA 6000/7000 Series 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 P0C0403 - General Preparation (Metals)										
Blank (P0C0403-BLK1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	ND	0.00800	mg/L							QAL1
LCS (P0C0403-BS1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.0412	0.00800	mg/L	0.0400		103	80-120			QAL1
LCS Dup (P0C0403-BSD1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.0404	0.00800	mg/L	0.0400		101	80-120	2.12	20	QAL1
Calibration Blank (P0C0403-CCB1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	-0.000906		mg/L							QAL1
Calibration Blank (P0C0403-CCB2)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	-0.00571		mg/L							QAL1
Calibration Check (P0C0403-CCV1)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.0466	0.00800	mg/L	0.0400		116	85-115			QAL1
Calibration Check (P0C0403-CCV2)				Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.0389	0.00800	mg/L	0.0400		97.2	90-110			QAL1
Duplicate (P0C0403-DUP1)		**Source: 0C02018-01**		Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.134	0.00800	mg/L		0.141			4.91	20	QAL1
Matrix Spike (P0C0403-MS1)		**Source: 0C02018-01**		Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.176	0.00800	mg/L	0.0400	0.141	86.5	75-125			QAL1
Matrix Spike Dup (P0C0403-MSD1)		**Source: 0C02018-01**		Prepared: 03/04/20 Analyzed: 03/12/20						
Boron	0.178	0.00800	mg/L	0.0400	0.141	92.7	75-125	1.39	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

ROI	Received on Ice
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/13/2020

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0C02018

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	2/28/2020	13:45		1	X	X							GW	X	X	X			X										X

Analyze For: TCLP: X; TOTAL:

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	3/2/20	10:40			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				3/2/20	10:40

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.8 °C
Adjusted: 5.8 °C Factor

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0C26007

NELAP/TCEQ # T104704516-18-9

Report Date: 04/01/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0C26007-01	Water	03/25/20 12:30	03-26-2020 09:30

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0C26007-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Metals by EPA / Standard Methods									
Silver	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Aluminum	ND	0.0200	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Arsenic	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Barium	**0.258**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Copper	**0.0146**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Iron	**0.205**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0C3104	03/31/20	04/01/20	EPA 7470A	QAL1
Manganese	**0.123**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Molybdenum	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Lead	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Zinc	**0.0318**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1
Metals by EPA 6000/7000 Series Methods									
Boron	**0.175**	0.00800	mg/L	1	P0C3001	03/30/20	03/30/20	EPA 6010B	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C3001 - General Preparation (Metals)										
Blank (P0C3001-BLK1)				Prepared & Analyzed: 03/30/20						
Barium	ND	0.00800	mg/L							QAL1
Copper	ND	0.00800	"							QAL1
Iron	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
Cobalt	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Selenium	ND	0.00800	"							QAL1
Manganese	ND	0.00800	"							QAL1
Zinc	ND	0.00800	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Aluminum	ND	0.0200	"							QAL1
Nickel	ND	0.0080	"							QAL1
Silver	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
LCS (P0C3001-BS1)				Prepared & Analyzed: 03/30/20						
Manganese	0.0389	0.00800	mg/L	0.0400		97.2	80-120			QAL1
Iron	0.0510	0.00800	"	0.0400		128	80-130			QAL1
Copper	0.0456	0.00800	"	0.0400		114	80-120			QAL1
Molybdenum	0.0403	0.00800	"	0.0400		101	80-120			QAL1
Cobalt	0.0401	0.00800	"	0.0400		100	80-120			QAL1
Cadmium	0.0401	0.00800	"	0.0400		100	80-120			QAL1
Barium	0.0407	0.00800	"	0.0400		102	80-120			QAL1
Arsenic	0.0371	0.00800	"	0.0400		92.7	80-120			QAL1
Aluminum	0.0415	0.0100	"	0.0400		104	80-120			QAL1
Silver	0.0492	0.00800	"	0.0400		123	80-120			L, QAL1
Chromium	0.0407	0.00800	"	0.0400		102	80-120			QAL1
Selenium	0.0398	0.00800	"	0.0400		99.4	80-120			QAL1
Nickel	0.0427	0.0080	"	0.0400		107	80-120			QAL1
Zinc	0.0444	0.00800	"	0.0400		111	80-120			QAL1
Lead	0.0372	0.00800	"	0.0400		92.9	80-120			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C3001 - General Preparation (Metals)										
LCS Dup (P0C3001-BSD1)				Prepared & Analyzed: 03/30/20						
Aluminum	0.0415	0.0100	mg/L	0.0400		104	80-120	0.104	20	QAL1
Barium	0.0407	0.00800	"	0.0400		102	80-120	0.0662	20	QAL1
Silver	0.0483	0.00800	"	0.0400		121	80-120	1.72	20	L, QAL1
Zinc	0.0445	0.00800	"	0.0400		111	80-120	0.213	20	QAL1
Cadmium	0.0397	0.00800	"	0.0400		99.2	80-120	0.921	20	QAL1
Cobalt	0.0400	0.00800	"	0.0400		100	80-120	0.242	20	QAL1
Selenium	0.0381	0.00800	"	0.0400		95.4	80-120	4.14	20	QAL1
Arsenic	0.0376	0.00800	"	0.0400		94.1	80-120	1.54	20	QAL1
Chromium	0.0403	0.00800	"	0.0400		101	80-120	0.906	20	QAL1
Molybdenum	0.0394	0.00800	"	0.0400		98.5	80-120	2.19	20	QAL1
Copper	0.0467	0.00800	"	0.0400		117	80-120	2.26	20	QAL1
Lead	0.0376	0.00800	"	0.0400		94.0	80-120	1.16	20	QAL1
Manganese	0.0385	0.00800	"	0.0400		96.4	80-120	0.832	20	QAL1
Iron	0.0510	0.00800	"	0.0400		128	80-130	0.00	20	QAL1
Nickel	0.0423	0.0080	"	0.0400		106	80-120	0.952	20	QAL1
Matrix Spike (P0C3001-MS1)		**Source: 0C26007-01**		Prepared & Analyzed: 03/30/20						
Lead	0.0425	0.00800	mg/L	0.0400	0.00333	97.9	75-125			QAL1
Barium	0.297	0.00800	"	0.0400	0.258	97.3	75-125			QAL1
Cadmium	0.0377	0.00800	"	0.0400	ND	94.3	75-125			QAL1
Zinc	0.0738	0.00800	"	0.0400	0.0318	105	75-125			QAL1
Cobalt	0.0368	0.00800	"	0.0400	ND	92.1	75-125			QAL1
Manganese	0.154	0.00800	"	0.0400	0.123	78.0	75-125			QAL1
Chromium	0.0395	0.00800	"	0.0400	ND	98.7	75-125			QAL1
Iron	0.251	0.00800	"	0.0400	0.205	114	75-125			QAL1
Nickel	0.0452	0.0080	"	0.0400	0.00560	99.0	75-125			QAL1
Molybdenum	0.0387	0.00800	"	0.0400	0.00478	84.9	75-125			QAL1
Copper	0.0563	0.00800	"	0.0400	0.0146	104	75-125			QAL1
Selenium	0.0390	0.00800	"	0.0400	0.00312	89.6	75-125			QAL1
Arsenic	0.0412	0.00800	"	0.0400	0.00434	92.2	75-125			QAL1
Silver	0.0475	0.00800	"	0.0400	0.00539	105	75-125			QAL1
Aluminum	0.0433	0.0200	"	0.0400	ND	108	75-125			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C3001 - General Preparation (Metals)										
Matrix Spike Dup (P0C3001-MSD1)	**Source: 0C26007-01**			Prepared & Analyzed: 03/30/20						
Lead	0.0401	0.00800	mg/L	0.0400	0.00333	92.0	75-125	5.78	20	QAL1
Chromium	0.0385	0.00800	"	0.0400	ND	96.3	75-125	2.44	20	QAL1
Iron	0.253	0.00800	"	0.0400	0.205	120	75-125	1.07	20	QAL1
Selenium	0.0387	0.00800	"	0.0400	0.00312	88.8	75-125	0.813	20	QAL1
Cadmium	0.0382	0.00800	"	0.0400	ND	95.4	75-125	1.16	20	QAL1
Zinc	0.0746	0.00800	"	0.0400	0.0318	107	75-125	1.11	20	QAL1
Nickel	0.0465	0.0080	"	0.0400	0.00560	102	75-125	2.75	20	QAL1
Copper	0.0570	0.00800	"	0.0400	0.0146	106	75-125	1.31	20	QAL1
Silver	0.0491	0.00800	"	0.0400	0.00539	109	75-125	3.47	20	QAL1
Barium	0.300	0.00800	"	0.0400	0.258	105	75-125	1.03	20	QAL1
Aluminum	0.0447	0.0200	"	0.0400	ND	112	75-125	3.10	20	QAL1
Arsenic	0.0423	0.00800	"	0.0400	0.00434	95.0	75-125	2.69	20	QAL1
Manganese	0.155	0.00800	"	0.0400	0.123	80.3	75-125	0.602	20	QAL1
Molybdenum	0.0385	0.00800	"	0.0400	0.00478	84.3	75-125	0.604	20	QAL1
Cobalt	0.0374	0.00800	"	0.0400	ND	93.4	75-125	1.43	20	QAL1
Batch P0C3104 - General Preparation (Metals)										
Blank (P0C3104-BLK1)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0C3104-BS1)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	2.07	0.250	ug/l	2.00		104	80-120			QAL1
LCS Dup (P0C3104-BSD1)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	1.82	0.250	ug/l	2.00		91.0	80-120	12.9	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C3104 - General Preparation (Metals)										
Calibration Blank (P0C3104-CCB1)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	-0.0500		ug/l							QAL1
Calibration Check (P0C3104-CCV1)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	0.850	0.250	ug/l	0.800		106	85-115			QAL1
Calibration Check (P0C3104-CCV2)				Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	0.910	0.250	ug/l	0.800		114	82-115			QAL1
Duplicate (P0C3104-DUP1)		**Source: 0C26007-01**		Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	ND	0.250	ug/l		ND				20	QAL1
Matrix Spike (P0C3104-MS1)		**Source: 0C26007-01**		Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	2.08	0.250	ug/l	2.00	ND	104	75-125			QAL1
Matrix Spike Dup (P0C3104-MSD1)		**Source: 0C26007-01**		Prepared: 03/31/20 Analyzed: 04/01/20						
Mercury	2.22	0.250	ug/l	2.00	ND	111	75-125	6.51	20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Metals by EPA 6000/7000 Series 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 P0C3001 - General Preparation (Metals)										
Blank (P0C3001-BLK1)				Prepared & Analyzed: 03/30/20						
Boron	ND	0.00800	mg/L							QAL1
LCS (P0C3001-BS1)				Prepared & Analyzed: 03/30/20						
Boron	0.0411	0.00800	mg/L	0.0400		103	80-120			QAL1
LCS Dup (P0C3001-BSD1)				Prepared & Analyzed: 03/30/20						
Boron	0.0409	0.00800	mg/L	0.0400		102	80-120	0.395	20	QAL1
Matrix Spike (P0C3001-MS1)		**Source: 0C26007-01**		Prepared & Analyzed: 03/30/20						
Boron	0.212	0.00800	mg/L	0.0400	0.175	93.8	75-125			QAL1
Matrix Spike Dup (P0C3001-MSD1)		**Source: 0C26007-01**		Prepared & Analyzed: 03/30/20						
Boron	0.214	0.00800	mg/L	0.0400	0.175	96.4	75-125	0.496	20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/1/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature: e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0C26007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwatar S=Soil/Solid	Analyze For: TCLP: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8280	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	03.25.20	1230		1	X	X							GW	X	X	X												X

Special Instructions:
Bill to Plains

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: 2/3 °C
Adjusted: °C Factor 1 LZ

Relinquished by:	Date	Time	Received by:	Date	Time
	03.26.20	0930			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	3/26/20	0930

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0E27002

NELAP/TCEQ # T104704516-17-8

Report Date: 06/19/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0E27002-01	Water	05/26/20 17:18	05-27-2020 08:15

Al, B, Co, Cu, Fe, Mn, Mo, Ni, As, Ba, Cd, Cr, Pb, Se, Ag, and Zn analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0E27002-01 (Water)

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silver	ND	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Aluminum	**0.0194**	0.0100	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 200.8	SUB-13
Arsenic	**0.00710**	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Boron	**0.107**	0.0200	mg/L	1	P0F1902	06/15/20	06/15/20	SW846-6020A	SUB-13
Barium	**0.217**	0.00400	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Cadmium	ND	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Cobalt	ND	0.00500	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Chromium	ND	0.00400	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Copper	ND	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Iron	ND	0.200	mg/L	1	P0F1902	06/15/20	06/19/20	EPA 6020A	SUB-13
Mercury	ND	0.0800	ug/l	1	P0F0404	06/04/20	06/04/20	EPA 7470A	
Manganese	**0.0766**	0.00500	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Molybdenum	ND	0.00500	mg/L	1	P0F1902	06/15/20	06/19/20	EPA 6020A	SUB-13
Nickel	ND	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Lead	ND	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Selenium	**0.00227**	0.00200	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13
Zinc	**0.00749**	0.00400	mg/L	1	P0F1902	06/15/20	06/15/20	EPA 6020A	SUB-13

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F0404 - General Preparation (Metals)										
Blank (P0F0404-BLK1)				Prepared & Analyzed: 06/04/20						
Mercury	ND	0.0800	ug/l							
LCS (P0F0404-BS1)				Prepared & Analyzed: 06/04/20						
Mercury	1.71	0.0800	ug/l	2.00		85.5	80-120			
LCS Dup (P0F0404-BSD1)				Prepared & Analyzed: 06/04/20						
Mercury	1.70	0.0800	ug/l	2.00		85.0	80-120	0.587	20	
Calibration Blank (P0F0404-CCB1)				Prepared & Analyzed: 06/04/20						
Mercury	-0.0500		ug/l							
Calibration Blank (P0F0404-CCB2)				Prepared & Analyzed: 06/04/20						
Mercury	-0.0600		ug/l							
Calibration Check (P0F0404-CCV1)				Prepared & Analyzed: 06/04/20						
Mercury	0.830	0.0800	ug/l	0.800		104	90-110			
Calibration Check (P0F0404-CCV2)				Prepared & Analyzed: 06/04/20						
Mercury	0.690	0.0800	ug/l	0.800		86.2	85-115			
Duplicate (P0F0404-DUP1)		**Source: 0E27002-01**		Prepared & Analyzed: 06/04/20						
Mercury	ND	0.0800	ug/l		ND				20	

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/19/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

e-mail: cdstanley@trcsolutions.com
cjbryant@paalp.com
algroves@paalp.com
sstanley@trcsolutions.com

(lab use only)
ORDER #: OE27002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	5/26/20	17:18		1	X	X							GW	X	X	X												X

Special Instructions:
Bill to Plains

	Date	Time		Date	Time
Relinquished by:	5/27/20	8:15	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL: Melissa Bledsoe	5/27/20	8:15

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

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

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

June 15, 2020

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

Work Order: **HS20060422**

Laboratory Results for: **OE27002**

Dear Brent,

ALS Environmental received 1 sample(s) on Jun 09, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
Work Order: HS20060422

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20060422-01	OE27002-01	Water		26-May-2020 17:18	09-Jun-2020 10:00	☐

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: OE27002
Work Order: HS20060422

Metals by Method SW6020

Batch ID: 154388

Sample ID: OE27002-01 (HS20060422-01MS)

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Barium,

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
Sample ID: OE27002-01
Collection Date: 26-May-2020 17:18

ANALYTICAL REPORT
WorkOrder:HS20060422
Lab ID:HS20060422-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A	**Method:SW6020**			Prep:SW3010A / 11-Jun-2020		Analyst: JHD
Aluminum	**0.0194**		**0.0100**	**mg/L**	1	15-Jun-2020 13:01
Arsenic	**0.00710**		**0.00200**	**mg/L**	1	15-Jun-2020 13:01
Barium	**0.217**		**0.00400**	**mg/L**	1	15-Jun-2020 13:01
Boron	**0.107**		**0.0200**	**mg/L**	1	15-Jun-2020 13:01
Cadmium	ND		0.00200	mg/L	1	15-Jun-2020 13:01
Chromium	ND		0.00400	mg/L	1	15-Jun-2020 13:01
Cobalt	ND		0.00500	mg/L	1	15-Jun-2020 13:01
Copper	ND		0.00200	mg/L	1	15-Jun-2020 13:01
Iron	ND		0.200	mg/L	1	15-Jun-2020 13:01
Lead	ND		0.00200	mg/L	1	15-Jun-2020 13:01
Manganese	**0.0766**		**0.00500**	**mg/L**	1	15-Jun-2020 13:01
Molybdenum	ND		0.00500	mg/L	1	15-Jun-2020 13:01
Nickel	ND		0.00200	mg/L	1	15-Jun-2020 13:01
Selenium	**0.00227**		**0.00200**	**mg/L**	1	15-Jun-2020 13:01
Silver	ND		0.00200	mg/L	1	15-Jun-2020 13:01
Zinc	**0.00749**		**0.00400**	**mg/L**	1	15-Jun-2020 13:01

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

ALS Houston, US

Date: 15-Jun-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

Batch ID: 154388 **Start Date:** 11 Jun 2020 15:00 **End Date:** 11 Jun 2020 18:30
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20060422-01		10 (mL)	10 (mL)	1

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 154388 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS20060422-01	OE27002-01	26 May 2020 17:18		11 Jun 2020 18:30	15 Jun 2020 13:01	1

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLKF1-154388** Units: **mg/L** Analysis Date: **12-Jun-2020 20:54**
Client ID: Run ID: **ICPMS04_363166** SeqNo: **5618070** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.0100								
Arsenic	ND	0.00200								
Barium	ND	0.00400								
Boron	ND	0.0200								
Cadmium	ND	0.00200								
Chromium	ND	0.00400								
Cobalt	ND	0.00500								
Copper	ND	0.00200								
Iron	ND	0.200								
Lead	ND	0.00200								
Manganese	ND	0.00500								
Molybdenum	ND	0.00500								
Nickel	ND	0.00200								
Selenium	ND	0.00200								
Silver	ND	0.00200								
Zinc	ND	0.00400								

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-154388** Units: **mg/L** Analysis Date: **12-Jun-2020 20:52**
Client ID: Run ID: **ICPMS04_363166** SeqNo: **5618069** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.0100								
Arsenic	ND	0.00200								
Barium	ND	0.00400								
Boron	ND	0.0200								
Cadmium	ND	0.00200								
Chromium	ND	0.00400								
Cobalt	ND	0.00500								
Copper	ND	0.00200								
Iron	ND	0.200								
Lead	ND	0.00200								
Manganese	ND	0.00500								
Molybdenum	ND	0.00500								
Nickel	ND	0.00200								
Selenium	ND	0.00200								
Silver	ND	0.00200								
Zinc	ND	0.00400								

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

LCS Sample ID: **LCS-154388** Units: **mg/L** Analysis Date: **15-Jun-2020 12:58**
Client ID: Run ID: **ICPMS05_363236** SeqNo: **5619063** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.05256	0.0100	0.05	0	105	80 - 120				
Arsenic	0.04423	0.00200	0.05	0	88.5	80 - 120				
Barium	0.04294	0.00400	0.05	0	85.9	80 - 120				
Cadmium	0.04493	0.00200	0.05	0	89.9	80 - 120				
Chromium	0.04362	0.00400	0.05	0	87.2	80 - 120				
Cobalt	0.04309	0.00500	0.05	0	86.2	80 - 120				
Copper	0.04532	0.00200	0.05	0	90.6	80 - 120				
Iron	4.372	0.200	5	0	87.4	80 - 120				
Lead	0.04169	0.00200	0.05	0	83.4	80 - 120				
Manganese	0.04532	0.00500	0.05	0	90.6	80 - 120				
Molybdenum	0.04196	0.00500	0.05	0	83.9	80 - 120				
Nickel	0.0447	0.00200	0.05	0	89.4	80 - 120				
Selenium	0.04544	0.00200	0.05	0	90.9	80 - 120				
Silver	0.04453	0.00200	0.05	0	89.1	80 - 120				
Zinc	0.04731	0.00400	0.05	0	94.6	80 - 120				

LCS Sample ID: **LCS-154388** Units: **mg/L** Analysis Date: **12-Jun-2020 20:56**
Client ID: Run ID: **ICPMS04_363166** SeqNo: **5618071** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	0.4036	0.0200	0.5	0	80.7	80 - 120				

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MS Sample ID: **HS20060422-01MS** Units: **mg/L** Analysis Date: **15-Jun-2020 13:05**
Client ID: **OE27002-01** Run ID: **ICPMS05_363236** SeqNo: **5619056** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1215	0.0100	0.1	0.01942	102	80 - 120				
Arsenic	0.05472	0.00200	0.05	0.0071	95.2	80 - 120				
Barium	0.2832	0.00400	0.05	0.2169	133	80 - 120				SO
Boron	0.5776	0.0200	0.5	0.1075	94.0	80 - 120				
Cadmium	0.04584	0.00200	0.05	0	91.7	80 - 120				
Chromium	0.04498	0.00400	0.05	0	90.0	80 - 120				
Cobalt	0.04343	0.00500	0.05	0	86.9	80 - 120				
Copper	0.04667	0.00200	0.05	0.001436	90.5	80 - 120				
Iron	4.639	0.200	5	0.1524	89.7	80 - 120				
Lead	0.04449	0.00200	0.05	0	89.0	80 - 120				
Manganese	0.127	0.00500	0.05	0.07659	101	80 - 120				
Molybdenum	0.04577	0.00500	0.05	0.002542	86.5	80 - 120				
Nickel	0.04657	0.00200	0.05	0.00122	90.7	80 - 120				
Selenium	0.04877	0.00200	0.05	0.002274	93.0	80 - 120				
Silver	0.04466	0.00200	0.05	0	89.3	80 - 120				
Zinc	0.05419	0.00400	0.05	0.00749	93.4	80 - 120				

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MSD Sample ID: **HS20060422-01MSD** Units: **mg/L** Analysis Date: **15-Jun-2020 13:08**
Client ID: **OE27002-01** Run ID: **ICPMS05_363236** SeqNo: **5619057** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1081	0.0100	0.1	0.01942	88.6	80 - 120	0.1215	11.7	20	
Arsenic	0.05354	0.00200	0.05	0.0071	92.9	80 - 120	0.05472	2.18	20	
Barium	0.2731	0.00400	0.05	0.2169	112	80 - 120	0.2832	3.64	20	O
Boron	0.5822	0.0200	0.5	0.1075	95.0	80 - 120	0.5776	0.803	20	
Cadmium	0.04449	0.00200	0.05	0	89.0	80 - 120	0.04584	2.99	20	
Chromium	0.04407	0.00400	0.05	0	88.1	80 - 120	0.04498	2.05	20	
Cobalt	0.04261	0.00500	0.05	0	85.2	80 - 120	0.04343	1.91	20	
Copper	0.04519	0.00200	0.05	0.001436	87.5	80 - 120	0.04667	3.22	20	
Iron	4.57	0.200	5	0.1524	88.3	80 - 120	4.639	1.51	20	
Lead	0.043	0.00200	0.05	0	86.0	80 - 120	0.04449	3.41	20	
Manganese	0.1225	0.00500	0.05	0.07659	91.7	80 - 120	0.127	3.64	20	
Molybdenum	0.04547	0.00500	0.05	0.002542	85.9	80 - 120	0.04577	0.662	20	
Nickel	0.04551	0.00200	0.05	0.00122	88.6	80 - 120	0.04657	2.3	20	
Selenium	0.04768	0.00200	0.05	0.002274	90.8	80 - 120	0.04877	2.26	20	
Silver	0.04307	0.00200	0.05	0	86.1	80 - 120	0.04466	3.62	20	
Zinc	0.05182	0.00400	0.05	0.00749	88.7	80 - 120	0.05419	4.48	20	

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

PDS Sample ID: **HS20060422-01PDS** Units: **mg/L** Analysis Date: **15-Jun-2020 13:10**
Client ID: **OE27002-01** Run ID: **ICPMS05_363236** SeqNo: **5619058** PrepDate: **11-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1033	0.0100	0.1	0.01942	83.9	75 - 125				
Arsenic	0.09644	0.00200	0.1	0.0071	89.3	75 - 125				
Barium	0.3024	0.00400	0.1	0.2169	85.5	75 - 125				
Boron	0.5235	0.0200	0.5	0.1075	83.2	75 - 125				
Cadmium	0.0853	0.00200	0.1	0	85.3	75 - 125				
Chromium	0.08504	0.00400	0.1	0	85.0	75 - 125				
Cobalt	0.08197	0.00500	0.1	0	82.0	75 - 125				
Copper	0.08588	0.00200	0.1	0.001436	84.4	75 - 125				
Iron	8.707	0.200	10	0.1524	85.6	75 - 125				
Lead	0.08444	0.00200	0.1	0	84.4	75 - 125				
Manganese	0.1619	0.00500	0.1	0.07659	85.3	75 - 125				
Molybdenum	0.08388	0.00500	0.1	0.002542	81.3	75 - 125				
Nickel	0.08625	0.00200	0.1	0.00122	85.0	75 - 125				
Selenium	0.09076	0.00200	0.1	0.002274	88.5	75 - 125				
Silver	0.08307	0.00200	0.1	0	83.1	75 - 125				
Zinc	0.09408	0.00400	0.1	0.00749	86.6	75 - 125				

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: HS20060422

QC BATCH REPORT

Batch ID: 154388 (0) **Instrument:** ICPMS04 **Method:** ICP-MS METALS BY SW6020A

SD Sample ID: **HS20060422-01SD** Units: **mg/L** Analysis Date: **15-Jun-2020 13:03**
Client ID: **OE27002-01** Run ID: **ICPMS05_363236** SeqNo: **5619055** PrepDate: **11-Jun-2020** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Aluminum	0.02422	0.0500					0.01942	0	10	J
Arsenic	0.007351	0.0100					0.0071	0	10	J
Barium	0.2241	0.0200					0.2169	3.31	10	
Cadmium	ND	0.0100					0	0	10	
Chromium	ND	0.0200					0	0	10	
Cobalt	ND	0.0250					0	0	10	
Copper	ND	0.0100					0.001436	0	10	
Iron	0.1925	1.00					0.1524	0	10	J
Lead	ND	0.0100					0	0	10	
Manganese	0.07893	0.0250					0.07659	3.06	10	
Molybdenum	0.00338	0.0250					0.002542	0	10	J
Nickel	ND	0.0100					0.00122	0	10	
Selenium	ND	0.0100					0.002274	0	10	
Silver	ND	0.0100					0	0	10	
Zinc	ND	0.0200					0.00749	0	10	

The following samples were analyzed in this batch: HS20060422-01

ALS Houston, US Date: 15-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: OE27002
WorkOrder: **HS20060422**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 15-Jun-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2019-2020	31-Jul-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 15-Jun-20

Sample Receipt Checklist

Work Order ID: HS20060422 **Date/Time Received:** 09-Jun-2020 10:00

Client Name: Permian Basin Lab **Received by:** Nilesh D. Ranchod

Completed By:	/S/ Paresh M. Giga	09-Jun-2020 18:50	**Reviewed by:**	/S/ RJ Modashia	10-Jun-2020 14:12
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:None
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.1C U/C	IR25	
Cooler(s)/Kit(s):	RTed		
Date/Time sample(s) sent to storage:	6/9/2020 18:55		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBDLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Brent Barron
Company Name: Permian Basin Environmental Lab, LP
Company Address: 1400 Rankin Hwy
City/State/Zip: Midland, Texas 79701
Telephone No: 432-686-7235 Fax No:
Sampler Signature: e-mail: brentbarron@gmail.com

Project Name: Subcontract
Project #: 0E27002
Project Loc: Midland, Texas
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Metals by 6020 See List	4 Day Tat
	0E27002-01			05/26/20	1718		1	x	x							S	X	X

HS20060422
Permian Basin Environmental Lab, LP
OE27002

Special Instructions:
Metals: Al, B, Co, Cu, Fe, Mn, Mo, Ni, As, Ba, Cd, Cr, Pb, Se, Ag, Zn.

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	6/8/20	1600	NK	6.9.20	1020
Relinquished by:	Date	Time	Received by:	Date	Time
					NA
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

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

Red dic 2.1 K 25

Red

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0F19015

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/15/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0F19015-01	Water	06/18/20 15:10	06-19-2020 10:34

Due to an instrument issue, NM List of Metals analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0F19015-01 (Water)

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silver	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Aluminum	**0.0197**	0.0100	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 200.8	SUB-13
Arsenic	**0.00674**	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Boron	**0.0975**	0.0200	mg/L	1	P0G1510	06/25/20 13:00	06/29/20 13:54	SW846-6020A	SUB-13
Barium	**0.244**	0.00400	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Cadmium	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Cobalt	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Chromium	ND	0.00400	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Copper	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Iron	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Mercury	ND	0.200	ug/l	1	P0G1510	06/25/20 14:00	06/25/20 15:41	EPA 7470A	SUB-13
Manganese	**0.0513**	0.00500	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Molybdenum	ND	0.00500	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Nickel	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Lead	ND	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Selenium	**0.00210**	0.00200	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13
Zinc	**0.00474**	0.00400	mg/L	1	P0G1510	06/25/20 13:00	06/27/20 21:44	EPA 6020A	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/15/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720

Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com
cjbryant@paalp.com
algroves@paalp.com
sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)
ORDER #: 0F19015

Analyze For: TCLP: X (RCRA 8 Metals (TCLP)); TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	6/17/20	1530		1	X	X							GW	X	X	X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date 6-19-20	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date 6-19-20	Time 1034

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.2 °C
Adjusted: 3.2 °C Factor CF1 (-1)

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

June 29, 2020

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

Work Order: **HS20061157**

Laboratory Results for: **0F19015**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Jun 23, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
Work Order: HS20061157

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20061157-01	0F19015-1	Water		18-Jun-2020 15:10	23-Jun-2020 09:30	☐

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0F19015
Work Order: HS20061157

Metals by Method SW7470

Batch ID: 154851

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

Metals by Method SW6020

Batch ID: 154817

Sample ID: HS20061105-01MS

- MS/MSD and DUPs are for an unrelated sample

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
Sample ID: 0F19015-1
Collection Date: 18-Jun-2020 15:10

ANALYTICAL REPORT
WorkOrder:HS20061157
Lab ID:HS20061157-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ICP-MS METALS BY SW6020A		**Method:SW6020**		Prep:SW3010A / 25-Jun-2020		Analyst: JHD
Aluminum	**0.0197**		**0.0100**	**mg/L**	1	27-Jun-2020 21:44
Arsenic	**0.00674**		**0.00200**	**mg/L**	1	27-Jun-2020 21:44
Barium	**0.244**		**0.00400**	**mg/L**	1	27-Jun-2020 21:44
Boron	**0.0975**		**0.0200**	**mg/L**	1	29-Jun-2020 13:54
Cadmium	ND		0.00200	mg/L	1	27-Jun-2020 21:44
Chromium	ND		0.00400	mg/L	1	27-Jun-2020 21:44
Cobalt	ND		0.00500	mg/L	1	27-Jun-2020 21:44
Copper	ND		0.00200	mg/L	1	27-Jun-2020 21:44
Iron	ND		0.200	mg/L	1	27-Jun-2020 21:44
Lead	ND		0.00200	mg/L	1	27-Jun-2020 21:44
Manganese	**0.0513**		**0.00500**	**mg/L**	1	27-Jun-2020 21:44
Molybdenum	ND		0.00500	mg/L	1	27-Jun-2020 21:44
Nickel	ND		0.00200	mg/L	1	27-Jun-2020 21:44
Selenium	**0.00210**		**0.00200**	**mg/L**	1	27-Jun-2020 21:44
Silver	ND		0.00200	mg/L	1	27-Jun-2020 21:44
Zinc	**0.00474**		**0.00400**	**mg/L**	1	27-Jun-2020 21:44
MERCURY BY SW7470A		**Method:SW7470**		Prep:SW7470 / 25-Jun-2020		Analyst: FO
Mercury	ND		0.000200	mg/L	1	25-Jun-2020 15:41

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

Batch ID: 154817 **Start Date:** 25 Jun 2020 09:00 **End Date:** 25 Jun 2020 13:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20061157-01		10 (mL)	10 (mL)	1

Batch ID: 154851 **Start Date:** 25 Jun 2020 12:00 **End Date:** 25 Jun 2020 14:00
Method: MERCURY PREP BY 7470A- WATER **Prep Code:** HG_WPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20061157-01		10 (mL)	10 (mL)	1

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 154817 (0)	**Test Name :** ICP-MS METALS BY SW6020A				**Matrix:** Water	
HS20061157-01	0F19015-1	18 Jun 2020 15:10		25 Jun 2020 13:00	29 Jun 2020 13:54	1
HS20061157-01	0F19015-1	18 Jun 2020 15:10		25 Jun 2020 13:00	27 Jun 2020 21:44	1
Batch ID: 154851 (0)	**Test Name :** MERCURY BY SW7470A				**Matrix:** Water	
HS20061157-01	0F19015-1	18 Jun 2020 15:10		25 Jun 2020 12:00	25 Jun 2020 15:41	1

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLKF1-154817** Units: **mg/L** Analysis Date: **29-Jun-2020 13:01**
Client ID: Run ID: **ICPMS04_364115** SeqNo: **5641486** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.0100								
Arsenic	ND	0.00200								
Barium	ND	0.00400								
Boron	ND	0.0200								
Cadmium	ND	0.00200								
Chromium	ND	0.00400								
Cobalt	ND	0.00500								
Copper	ND	0.00200								
Iron	ND	0.200								
Lead	ND	0.00200								
Manganese	ND	0.00500								
Molybdenum	ND	0.00500								
Nickel	ND	0.00200								
Selenium	ND	0.00200								
Silver	ND	0.00200								
Zinc	0.01011	0.00400								

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MBLK Sample ID: **MBLK-154817** Units: **mg/L** Analysis Date: **29-Jun-2020 12:59**
Client ID: Run ID: **ICPMS04_364115** SeqNo: **5641524** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	ND	0.0100								
Arsenic	ND	0.00200								
Barium	ND	0.00400								
Boron	ND	0.0200								
Cadmium	ND	0.00200								
Chromium	ND	0.00400								
Cobalt	ND	0.00500								
Copper	ND	0.00200								
Iron	ND	0.200								
Lead	ND	0.00200								
Manganese	ND	0.00500								
Molybdenum	ND	0.00500								
Nickel	ND	0.00200								
Selenium	ND	0.00200								
Silver	ND	0.00200								
Zinc	ND	0.00400								

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

LCS Sample ID: **LCS-154817** Units: **mg/L** Analysis Date: **29-Jun-2020 13:03**
Client ID: Run ID: **ICPMS04_364115** SeqNo: **5641487** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.09602	0.0100	0.1	0	96.0	80 - 120				
Arsenic	0.04752	0.00200	0.05	0	95.0	80 - 120				
Barium	0.04906	0.00400	0.05	0	98.1	80 - 120				
Boron	0.4275	0.0200	0.5	0	85.5	80 - 120				
Cadmium	0.04971	0.00200	0.05	0	99.4	80 - 120				
Chromium	0.04537	0.00400	0.05	0	90.7	80 - 120				
Cobalt	0.04721	0.00500	0.05	0	94.4	80 - 120				
Copper	0.04743	0.00200	0.05	0	94.9	80 - 120				
Iron	4.691	0.200	5	0	93.8	80 - 120				
Lead	0.04854	0.00200	0.05	0	97.1	80 - 120				
Manganese	0.04708	0.00500	0.05	0	94.2	80 - 120				
Molybdenum	0.04519	0.00500	0.05	0	90.4	80 - 120				
Nickel	0.04842	0.00200	0.05	0	96.8	80 - 120				
Selenium	0.04778	0.00200	0.05	0	95.6	80 - 120				
Silver	0.0487	0.00200	0.05	0	97.4	80 - 120				
Zinc	0.05019	0.00400	0.05	0	100	80 - 120				

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MS Sample ID: **HS20061105-01MS** Units: **mg/L** Analysis Date: **27-Jun-2020 20:34**
Client ID: Run ID: **ICPMS04_364038** SeqNo: **5640257** PrepDate: **25-Jun-2020** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1121	0.0500	0.1	0.01373	98.4	80 - 120				
Arsenic	0.05399	0.0100	0.05	0.005493	97.0	80 - 120				
Barium	0.09775	0.0200	0.05	0.05168	92.1	80 - 120				
Boron	17.15	0.100	0.5	15.87	254	80 - 120				SEO
Cadmium	0.04457	0.0100	0.05	0.000035	89.1	80 - 120				
Chromium	0.04609	0.0200	0.05	0.001385	89.4	80 - 120				
Cobalt	0.04423	0.0250	0.05	0.001086	86.3	80 - 120				
Copper	0.04513	0.0100	0.05	0.001597	87.1	80 - 120				
Iron	4.546	1.00	5	0.004018	90.8	80 - 120				
Lead	0.04465	0.0100	0.05	-0.000003	89.3	80 - 120				
Manganese	0.1367	0.0250	0.05	0.0853	103	80 - 120				
Molybdenum	0.07113	0.0250	0.05	0.02422	93.8	80 - 120				
Nickel	0.04692	0.0100	0.05	0.001789	90.3	80 - 120				
Selenium	0.06004	0.0100	0.05	0.009546	101	80 - 120				
Silver	0.04152	0.0100	0.05	0.00005	82.9	80 - 120				
Zinc	0.04925	0.0200	0.05	0.003793	90.9	80 - 120				

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

MSD Sample ID: **HS20061105-01MSD** Units: **mg/L** Analysis Date: **27-Jun-2020 20:37**
Client ID: Run ID: **ICPMS04_364038** SeqNo: **5640258** PrepDate: **25-Jun-2020** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.1088	0.0500	0.1	0.01373	95.1	80 - 120	0.1121	2.97	20	
Arsenic	0.05657	0.0100	0.05	0.005493	102	80 - 120	0.05399	4.67	20	
Barium	0.1052	0.0200	0.05	0.05168	107	80 - 120	0.09775	7.34	20	
Boron	18.12	0.100	0.5	15.87	450	80 - 120	17.15	5.54	20	SEO
Cadmium	0.04832	0.0100	0.05	0.000035	96.6	80 - 120	0.04457	8.07	20	
Chromium	0.04886	0.0200	0.05	0.001385	94.9	80 - 120	0.04609	5.83	20	
Cobalt	0.04692	0.0250	0.05	0.001086	91.7	80 - 120	0.04423	5.92	20	
Copper	0.04751	0.0100	0.05	0.001597	91.8	80 - 120	0.04513	5.14	20	
Iron	4.828	1.00	5	0.004018	96.5	80 - 120	4.546	6.01	20	
Lead	0.04696	0.0100	0.05	-0.000003	93.9	80 - 120	0.04465	5.04	20	
Manganese	0.1397	0.0250	0.05	0.0853	109	80 - 120	0.1367	2.17	20	
Molybdenum	0.07662	0.0250	0.05	0.02422	105	80 - 120	0.07113	7.44	20	
Nickel	0.04695	0.0100	0.05	0.001789	90.3	80 - 120	0.04692	0.0554	20	
Selenium	0.05998	0.0100	0.05	0.009546	101	80 - 120	0.06004	0.0983	20	
Silver	0.04488	0.0100	0.05	0.00005	89.7	80 - 120	0.04152	7.79	20	
Zinc	0.04892	0.0200	0.05	0.003793	90.3	80 - 120	0.04925	0.682	20	

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

PDS Sample ID: **HS20061105-01PDS** Units: **mg/L** Analysis Date: **27-Jun-2020 20:39**
Client ID: Run ID: **ICPMS04_364038** SeqNo: **5640259** PrepDate: **25-Jun-2020** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aluminum	0.5416	0.0500	0.5	0.01373	106	75 - 125				
Arsenic	0.5386	0.0100	0.5	0.005493	107	75 - 125				
Barium	0.5407	0.0200	0.5	0.05168	97.8	75 - 125				
Cadmium	0.4885	0.0100	0.5	0.000035	97.7	75 - 125				
Chromium	0.4976	0.0200	0.5	0.001385	99.2	75 - 125				
Cobalt	0.4786	0.0250	0.5	0.001086	95.5	75 - 125				
Copper	0.4809	0.0100	0.5	0.001597	95.9	75 - 125				
Iron	49.89	1.00	50	0.004018	99.8	75 - 125				
Lead	0.5031	0.0100	0.5	-0.000003	101	75 - 125				
Manganese	0.5969	0.0250	0.5	0.0853	102	75 - 125				
Molybdenum	0.5367	0.0250	0.5	0.02422	102	75 - 125				
Nickel	0.4917	0.0100	0.5	0.001789	98.0	75 - 125				
Selenium	0.5363	0.0100	0.5	0.009546	105	75 - 125				
Silver	0.4958	0.0100	0.5	0.00005	99.2	75 - 125				
Zinc	0.4942	0.0200	0.5	0.003793	98.1	75 - 125				

PDS Sample ID: **HS20061105-01PDS** Units: **mg/L** Analysis Date: **29-Jun-2020 13:20**
Client ID: Run ID: **ICPMS04_364115** SeqNo: **5641493** PrepDate: **25-Jun-2020** DF: **100**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	68.1	2.00	50	17.03	102	75 - 125				

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154817 (0) **Instrument: ICPMS04** **Method: ICP-MS METALS BY SW6020A**

SD Sample ID: **HS20061105-01SD** Units: **mg/L** Analysis Date: **27-Jun-2020 20:32**
Client ID: Run ID: **ICPMS04_364038** SeqNo: **5640256** PrepDate: **25-Jun-2020** DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Aluminum	ND	0.250					0.01373	0	10	
Arsenic	ND	0.0500					0.005493	0	10	
Barium	0.05005	0.100					0.05168	0	10	J
Cadmium	ND	0.0500					0.000035	0	10	
Chromium	ND	0.100					0.001385	0	10	
Cobalt	ND	0.125					0.001086	0	10	
Copper	ND	0.0500					0.001597	0	10	
Iron	ND	5.00					0.004018	0	10	
Lead	ND	0.0500					-0.000003	0	10	
Manganese	0.0871	0.125					0.0853	0	10	J
Molybdenum	0.02549	0.125					0.02422	0	10	J
Nickel	ND	0.0500					0.001789	0	10	
Selenium	ND	0.0500					0.009546	0	10	
Silver	ND	0.0500					0.00005	0	10	
Zinc	ND	0.100					0.003793	0	10	

SD Sample ID: **HS20061105-01SD** Units: **mg/L** Analysis Date: **29-Jun-2020 13:18**
Client ID: Run ID: **ICPMS04_364115** SeqNo: **5641492** PrepDate: **25-Jun-2020** DF: **500**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Boron	26.6	10.0					17.03	56.2	10	R

The following samples were analyzed in this batch: HS20061157-01

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: HS20061157

QC BATCH REPORT

Batch ID: 154851 (0) **Instrument: HG03** **Method: MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-154851** Units: **mg/L** Analysis Date: **25-Jun-2020 14:57**
Client ID: Run ID: **HG03_363917** SeqNo: **5635792** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.000200								

LCS Sample ID: **LCS-154851** Units: **mg/L** Analysis Date: **25-Jun-2020 14:58**
Client ID: Run ID: **HG03_363917** SeqNo: **5635793** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00459	0.000200	0.005	0	91.8	80 - 120				

MS Sample ID: **HS20061023-02MS** Units: **mg/L** Analysis Date: **25-Jun-2020 15:02**
Client ID: Run ID: **HG03_363917** SeqNo: **5635795** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0.000001	99.0	75 - 125				

MSD Sample ID: **HS20061023-02MSD** Units: **mg/L** Analysis Date: **25-Jun-2020 15:05**
Client ID: Run ID: **HG03_363917** SeqNo: **5635796** PrepDate: **25-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0.000001	99.0	75 - 125	0.00495	0	20	

The following samples were analyzed in this batch: HS20061157-01

ALS Houston, US Date: 29-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19015
WorkOrder: **HS20061157**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 29-Jun-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2019-2020	31-Jul-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 29-Jun-20

Sample Receipt Checklist

Work Order ID: HS20061157 **Date/Time Received:** 23-Jun-2020 09:30

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By: /S/ Bernadette A. Fini (eSignature) 24-Jun-2020 14:17 (Date/Time) **Reviewed by:** /S/ Andy C. Neir (eSignature) 25-Jun-2020 21:35 (Date/Time)

Matrices: water Carrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs: 0F19015
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	0.9,0.9 uc/c	IR25	
Cooler(s)/Kit(s):	red		
Date/Time sample(s) sent to storage:	6-24-20 14:30		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

PBELAB SUB COC V2

HS20061157

Permian Basin Environmental Lab. LP
0F19015

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Report Format: X Standard ☐ TRRP ☐ NPE

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO3	HCl 2x 40mL VOA	H2SO4	NaOH/ZNAC 250 Poly	NaOH	Na2S2O3	NaOH/ZnAc	Matrix: DW-Drinking Water SL-Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TOTAL: Al, B, Co, Cu,Fe,Mn,Mo	TOTAL: Ni,As,Ba,Cd,Cr,Hg,Pb	TOTAL: Se,Ag,Zn	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	BOD 405.1	8270C PAH LL	8260B COMPLETE LIST	8270C SVOC TCLP	TOX 9020B	Triethylene Glycol 8015m	PH	24 HOUR RUSH	Standard TAT 4 DAY
	0F19015-1			6/18/2020	15:10		1	X	X								W		X	X	X												X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron		16:00	J. Murphy	6/23/20	9:32
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		

Temperature Upon Receipt:
Received: 2.7 °C
Adjusted: 2.0 °C Factor

Cooler - Red

Red

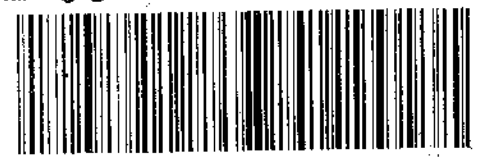
FedEx
TRK# 0200 8132 1558 9822

TUE - 23 JUN AA
STANDARD OVERNIGHT

AB SGRA

Red

77099
TX-US
IAH



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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0G15008

NELAP/TCEQ # T104704516-17-8

Report Date: 08/11/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0G15008-01	Water	07/14/20 14:15	07-15-2020 10:55

The Beginning and Ending CCV for Aluminum both failed high due to a spiking error . The sample was non detect for Aluminum and the Blank Spike, Blank Spike Duplicate, Matrix Spike and Matrix Spike Duplicate were all within the Quality control ranges. Therefore the Data was considered acceptable.

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0G15008-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Total Metals by EPA / Standard Methods									
Silver	ND	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P0G2302	07/23/20	08/06/20	EPA 6010B	QAL1
Arsenic	**0.0110**	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Barium	**0.319**	0.0100	mg/L	1	P0G2302	07/23/20	07/23/20	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Chromium	ND	0.0200	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Copper	**0.00636**	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1, J
Iron	**0.260**	0.0400	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0G2105	07/21/20	07/21/20	EPA 7470A	QAL1
Manganese	**0.0210**	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Molybdenum	**0.00255**	0.0400	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1, J
Nickel	ND	0.0080	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Lead	**0.00864**	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Selenium	ND	0.00400	mg/L	1	P0G2302	07/23/20	08/06/20	EPA 6010B	QAL1
Zinc	**0.0165**	0.00800	mg/L	1	P0G2302	07/23/20	07/23/20	EPA 6010B	QAL1
Metals by EPA 6000/7000 Series Methods									
Boron	**0.176**	0.0520	mg/L	1	P0G2302	07/23/20	08/06/20	EPA 6010B	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2105 - General Preparation (Metals)										
Blank (P0G2105-BLK1)				Prepared & Analyzed: 07/21/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0G2105-BS1)				Prepared & Analyzed: 07/21/20						
Mercury	1.86	0.250	ug/l	2.00		93.0	80-120			QAL1
LCS Dup (P0G2105-BSD1)				Prepared & Analyzed: 07/21/20						
Mercury	1.87	0.250	ug/l	2.00		93.5	80-120	0.536	20	QAL1
Calibration Blank (P0G2105-CCB1)				Prepared & Analyzed: 07/21/20						
Mercury	-0.0400		ug/l							QAL1
Calibration Blank (P0G2105-CCB2)				Prepared & Analyzed: 07/21/20						
Mercury	-0.0500		ug/l							QAL1
Calibration Check (P0G2105-CCV1)				Prepared & Analyzed: 07/21/20						
Mercury	0.820	0.250	ug/l	0.800		102	90-110			QAL1
Calibration Check (P0G2105-CCV2)				Prepared & Analyzed: 07/21/20						
Mercury	0.850	0.250	ug/l	0.800		106	90-110			QAL1
Matrix Spike (P0G2105-MS1)		**Source: 0G16013-02**		Prepared & Analyzed: 07/21/20						
Mercury	1.95	0.250	ug/l	2.00	ND	97.5	75-125			QAL1
Matrix Spike Dup (P0G2105-MSD1)		**Source: 0G16013-02**		Prepared & Analyzed: 07/21/20						
Mercury	1.95	0.250	ug/l	2.00	ND	97.5	75-125	0.00	20	QAL1
Batch P0G2302 - General Preparation (Metals)										
Blank (P0G2302-BLK1)				Prepared & Analyzed: 07/23/20						
Molybdenum	ND	0.0400	mg/L							QAL1
Barium	ND	0.0100	"							QAL1
Iron	ND	0.0400	"							QAL1
Silver	ND	0.00800	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Copper	0.00346	0.00800	"							QAL1, J
Cadmium	ND	0.00800	"							QAL1
Aluminum	ND	0.0550	"							QAL1
Chromium	ND	0.0200	"							QAL1
Nickel	ND	0.0080	"							QAL1
Zinc	ND	0.00800	"							QAL1
Cobalt	ND	0.00800	"							QAL1
Selenium	ND	0.00400	"							QAL1
Manganese	ND	0.00800	"							QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2302 - General Preparation (Metals)										
LCS (P0G2302-BS1)				Prepared & Analyzed: 07/23/20						
Iron	0.0438	0.0400	mg/L	0.0400		110	80-120			QAL1
Selenium	0.0442	0.00400	"	0.0400		110	80-120			QAL1
Nickel	0.0390	0.0080	"	0.0400		97.4	80-120			QAL1
Copper	0.0448	0.00800	"	0.0400		112	80-120			QAL1
Chromium	0.0382	0.0200	"	0.0400		95.5	80-120			QAL1
Cadmium	0.0396	0.00800	"	0.0400		99.1	80-120			QAL1
Cobalt	0.0406	0.00800	"	0.0400		102	80-120			QAL1
Barium	0.0414	0.0100	"	0.0400		103	80-120			QAL1
Lead	0.0401	0.00800	"	0.0400		100	80-120			QAL1
Manganese	0.0431	0.00800	"	0.0400		108	80-120			QAL1
Silver	0.0408	0.00800	"	0.0400		102	80-120			QAL1
Zinc	0.0400	0.00800	"	0.0400		100	80-120			QAL1
Arsenic	0.0360	0.00800	"	0.0400		90.0	80-120			QAL1
Aluminum	0.0481	0.0550	"	0.0400		120	80-120			QAL1
Molybdenum	0.0407	0.0400	"	0.0400		102	80-120			QAL1
LCS Dup (P0G2302-BSD1)				Prepared & Analyzed: 07/23/20						
Cobalt	0.0414	0.00800	mg/L	0.0400		103	80-120	1.83	20	QAL1
Cadmium	0.0389	0.00800	"	0.0400		97.2	80-120	1.94	20	QAL1
Silver	0.0383	0.00800	"	0.0400		95.6	80-120	6.50	20	QAL1
Selenium	0.0437	0.00400	"	0.0400		109	80-120	1.04	20	QAL1
Chromium	0.0385	0.0200	"	0.0400		96.2	80-120	0.813	20	QAL1
Aluminum	0.0380	0.0550	"	0.0400		94.9	80-120	23.5	20	QAL1, R2
Manganese	0.0399	0.00800	"	0.0400		99.7	80-120	7.77	20	QAL1
Nickel	0.0374	0.0080	"	0.0400		93.6	80-120	4.03	20	QAL1
Iron	0.0479	0.0400	"	0.0400		120	80-120	8.85	20	QAL1
Lead	0.0409	0.00800	"	0.0400		102	80-120	2.05	20	QAL1
Barium	0.0403	0.0100	"	0.0400		101	80-120	2.52	20	QAL1
Copper	0.0429	0.00800	"	0.0400		107	80-120	4.43	20	QAL1
Zinc	0.0394	0.00800	"	0.0400		98.5	80-120	1.59	20	QAL1
Molybdenum	0.0397	0.0400	"	0.0400		99.3	80-120	2.38	20	QAL1, J
Arsenic	0.0370	0.00800	"	0.0400		92.5	80-120	2.74	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2302 - General Preparation (Metals)										
Calibration Blank (P0G2302-CCB1)				Prepared & Analyzed: 07/23/20						
Zinc	-0.000291		mg/L							QAL1
Cobalt	-0.0000515		"							QAL1
Barium	-0.0000971		"							QAL1
Molybdenum	0.00328		"							QAL1
Cadmium	0.000242		"							QAL1
Aluminum	-0.00738		"							QAL1
Lead	0.000109		"							QAL1
Arsenic	0.00584		"							QAL1, J
Silver	0.00368		"							QAL1
Chromium	-0.000351		"							QAL1
Nickel	0.0000189		"							QAL1
Copper	0.00241		"							QAL1
Selenium	0.000677		"							QAL1
Manganese	-0.0000548		"							QAL1
Iron	-0.000478		"							QAL1
Calibration Blank (P0G2302-CCB2)				Prepared & Analyzed: 07/23/20						
Nickel	0.000131		mg/L							QAL1
Copper	0.00323		"							QAL1
Arsenic	0.00141		"							QAL1
Manganese	-0.0000563		"							QAL1
Zinc	-0.000361		"							QAL1
Molybdenum	0.0394		"							QAL1
Selenium	-0.0000247		"							QAL1
Aluminum	-0.0145		"							QAL1
Cadmium	-0.000108		"							QAL1
Iron	-0.000696		"							QAL1
Lead	-0.00139		"							QAL1
Chromium	-0.0000565		"							QAL1
Barium	-0.0000438		"							QAL1
Cobalt	-0.0000154		"							QAL1
Silver	0.00147		"							QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2302 - General Preparation (Metals)										
Calibration Check (P0G2302-CCV1)				Prepared & Analyzed: 07/23/20						
Nickel	0.0402	0.0080	mg/L	0.0400		100	80-120			QAL1
Selenium	0.0480	0.00400	"	0.0400		120	80-125			QAL1
Iron	0.0438	0.0400	"	0.0400		109	80-120			QAL1
Arsenic	0.0460	0.00800	"	0.0400		115	80-120			QAL1
Cobalt	0.0389	0.00800	"	0.0400		97.2	90-110			QAL1
Manganese	0.0397	0.00800	"	0.0400		99.2	80-120			QAL1
Silver	0.0437	0.00800	"	0.0400		109	80-120			QAL1
Chromium	0.0396	0.0200	"	0.0400		98.9	80-120			QAL1
Zinc	0.0383	0.00800	"	0.0400		95.8	80-120			QAL1
Copper	0.0429	0.00800	"	0.0400		107	80-120			QAL1
Molybdenum	0.0467	0.0400	"	0.0400		117	80-120			QAL1
Barium	0.0404	0.0100	"	0.0400		101	80-120			QAL1
Cadmium	0.0406	0.00800	"	0.0400		102	80-120			QAL1
Lead	0.0411	0.00800	"	0.0400		103	80-120			QAL1
Aluminum	0.0588	0.0550	"	0.0400		147	80-125			QAL1, Z7
Calibration Check (P0G2302-CCV2)				Prepared & Analyzed: 07/23/20						
Nickel	0.0357	0.0080	mg/L	0.0400		89.3	80-120			QAL1
Cobalt	0.0396	0.00800	"	0.0400		98.9	90-110			QAL1
Molybdenum	0.0511	0.0400	"	0.0400		128	80-120			L, QAL1
Zinc	0.0342	0.00800	"	0.0400		85.5	80-120			QAL1
Cadmium	0.0380	0.00800	"	0.0400		94.9	80-120			QAL1
Selenium	0.0412	0.00400	"	0.0400		103	80-125			QAL1
Silver	0.0376	0.00800	"	0.0400		93.9	80-120			QAL1
Barium	0.0416	0.0100	"	0.0400		104	80-120			QAL1
Copper	0.0451	0.00800	"	0.0400		113	80-120			QAL1
Lead	0.0404	0.00800	"	0.0400		101	80-120			QAL1
Iron	0.0439	0.0400	"	0.0400		110	80-120			QAL1
Manganese	0.0374	0.00800	"	0.0400		93.4	80-120			QAL1
Aluminum	0.0866	0.0550	"	0.0400		217	80-125			QAL1, Z7
Arsenic	0.0350	0.00800	"	0.0400		87.5	80-120			QAL1
Chromium	0.0370	0.0200	"	0.0400		92.5	80-120			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2302 - General Preparation (Metals)										
Duplicate (P0G2302-DUP1)		**Source: 0G15008-01**		Prepared & Analyzed: 07/23/20						
Nickel	0.00821	0.0080	mg/L		ND				20	QAL1
Lead	0.00842	0.00800	"		0.00864			2.65	20	QAL1
Zinc	0.0167	0.00800	"		0.0165			1.12	20	QAL1
Molybdenum	0.00156	0.0400	"		0.00255			48.1	20	QAL1, R2, J
Manganese	0.0274	0.00800	"		0.0210			26.7	20	QAL1, R2
Iron	0.745	0.0400	"		0.260			96.6	20	QAL1, R2
Copper	0.0155	0.00800	"		0.00636			83.8	20	QAL1, R2
Chromium	0.106	0.0200	"		ND				20	QAL1
Cobalt	ND	0.00800	"		ND				20	QAL1
Barium	0.322	0.0100	"		0.319			1.05	20	QAL1
Arsenic	0.0132	0.00800	"		0.0110			18.2	20	QAL1
Silver	ND	0.00800	"		ND				20	QAL1
Cadmium	ND	0.00800	"		ND				20	QAL1
Matrix Spike (P0G2302-MS1)		**Source: 0G15008-01**		Prepared: 07/23/20 Analyzed: 08/06/20						
Aluminum	0.0867	0.0550	mg/L	0.0400	0.0446	105	75-125			QAL1
Lead	0.0484	0.00800	"	0.0400	0.00864	99.4	75-125			QAL1
Silver	0.0347	0.00800	"	0.0400	ND	86.9	75-125			QAL1
Zinc	0.0525	0.00800	"	0.0400	0.0165	90.0	75-125			QAL1
Arsenic	0.0440	0.00800	"	0.0400	0.0110	82.5	75-125			QAL1
Chromium	0.0355	0.0200	"	0.0400	ND	88.7	75-125			QAL1
Cadmium	0.0378	0.00800	"	0.0400	ND	94.5	75-125			QAL1
Nickel	0.0228	0.0080	"	0.0400	ND	57.0	75-125			QAL1, QM-07
Cobalt	0.0377	0.00800	"	0.0400	ND	94.2	75-125			QAL1
Molybdenum	0.0421	0.0400	"	0.0400	0.00255	98.9	75-125			QAL1
Barium	0.354	0.0100	"	0.0400	0.319	89.3	75-125			QAL1
Copper	0.0458	0.00800	"	0.0400	0.00636	98.7	75-125			QAL1
Selenium	0.0443	0.00400	"	0.0400	ND	111	75-125			QAL1
Manganese	0.0554	0.00800	"	0.0400	0.0210	86.0	75-125			QAL1
Iron	0.292	0.0400	"	0.0400	0.260	79.6	75-125			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0G2302 - General Preparation (Metals)										
Matrix Spike Dup (P0G2302-MSD1)	**Source: 0G15008-01**			Prepared & Analyzed: 07/23/20						
Silver	0.0333	0.00800	mg/L	0.0400	ND	83.3	75-125	4.14	20	QAL1
Chromium	0.0346	0.0200	"	0.0400	ND	86.6	75-125	2.37	20	QAL1
Manganese	0.0547	0.00800	"	0.0400	0.0210	84.3	75-125	1.24	20	QAL1
Selenium	0.0470	0.00400	"	0.0400	ND	118	75-125	5.89	20	QAL1
Nickel	0.0236	0.0080	"	0.0400	ND	58.9	75-125	3.29	20	QAL1, QM-07
Cadmium	0.0375	0.00800	"	0.0400	ND	93.8	75-125	0.688	20	QAL1
Barium	0.352	0.0100	"	0.0400	0.319	84.4	75-125	0.553	20	QAL1
Molybdenum	0.0422	0.0400	"	0.0400	0.00255	99.1	75-125	0.205	20	QAL1
Lead	0.0469	0.00800	"	0.0400	0.00864	95.8	75-125	3.08	20	QAL1
Cobalt	0.0388	0.00800	"	0.0400	ND	96.9	75-125	2.88	20	QAL1
Zinc	0.0516	0.00800	"	0.0400	0.0165	87.7	75-125	1.82	20	QAL1
Iron	0.289	0.0400	"	0.0400	0.260	72.1	75-125	1.04	20	QAL1, QM-07
Arsenic	0.0470	0.00800	"	0.0400	0.0110	90.0	75-125	6.59	20	QAL1
Copper	0.0456	0.00800	"	0.0400	0.00636	98.1	75-125	0.466	20	QAL1
Aluminum	0.0750	0.0550	"	0.0400	0.0446	75.9	75-125	14.5	20	QAL1

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Metals by EPA 6000/7000 Series 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 P0G2302 - General Preparation (Metals)										
Blank (P0G2302-BLK1)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	ND	0.0520	mg/L							QAL1
LCS (P0G2302-BS1)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.0421	0.0520	mg/L	0.0400		105	80-120			QAL1
LCS Dup (P0G2302-BSD1)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.0451	0.0520	mg/L	0.0400		113	80-120	6.86	20	QAL1
Calibration Blank (P0G2302-CCB1)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.00135		mg/L							QAL1
Calibration Blank (P0G2302-CCB2)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	-0.00767		mg/L							QAL1
Calibration Check (P0G2302-CCV1)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.0499	0.0520	mg/L	0.0400		125	80-125			QAL1
Calibration Check (P0G2302-CCV2)				Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.0344	0.0520	mg/L	0.0400		85.9	80-125			QAL1
Matrix Spike (P0G2302-MS1)		**Source: 0G15008-01**		Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.217	0.0520	mg/L	0.0400	0.176	101	75-125			QAL1
Matrix Spike Dup (P0G2302-MSD1)		**Source: 0G15008-01**		Prepared: 07/23/20 Analyzed: 08/06/20						
Boron	0.220	0.0520	mg/L	0.0400	0.176	111	75-125	1.67	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

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Notes and Definitions

Z7	CCV recovery was outside the recommended acceptance limits due to spiking error. QC batch accepted based on LCS/LCSD recoveries and RPD.
ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/11/2020

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

LMD CK DB

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0615008

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: X / TOTAL: — Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
—	Post-Metals	NA	NA	07.14.20	1415		1	X	X							GW	X	X	X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	07.15.20	1055			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	7/15/20	10:55

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.5 °C
Adjusted: 5.5 °C Factor 1.2

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0H26015

NELAP/TCEQ # T104704516-18-9

Report Date: 09/16/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0H26015-01	Water	08/25/20 14:10	08-26-2020 10:49

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0H26015-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Total Metals by EPA / Standard Methods									
Mercury	ND	0.250	ug/l	1	P0H3106	08/31/20	09/01/20	EPA 7470A	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0H26015-01RE1 (Water)

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silver	ND	0.00500	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Arsenic	**0.00818**	0.00800	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Boron	**0.114**	0.0520	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Barium	**0.631**	0.00100	mg/L	1	P0I1302	09/13/20	09/13/20	6010B	QAL1
Cadmium	ND	0.00100	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Cobalt	ND	0.00200	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Chromium	ND	0.0910	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Copper	**0.0241**	0.00800	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Iron	**0.443**	0.0400	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Manganese	**0.0856**	0.0200	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Molybdenum	**0.00348**	0.00800	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	J, QAL1
Nickel	ND	0.0060	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Lead	ND	0.0110	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Selenium	ND	0.00400	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1
Zinc	**0.0151**	0.00100	mg/L	1	P0I1302	09/13/20	09/13/20	EPA 6010B	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H3106 - General Preparation (Metals)										
Blank (P0H3106-BLK1)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0H3106-BS1)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	2.10	0.250	ug/l	2.00		105	80-120			QAL1
LCS Dup (P0H3106-BSD1)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	2.05	0.250	ug/l	2.00		102	80-120	2.41	20	QAL1
Calibration Blank (P0H3106-CCB1)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	-0.0300		ug/l							QAL1
Calibration Blank (P0H3106-CCB2)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	-0.0400		ug/l							QAL1
Calibration Check (P0H3106-CCV1)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	0.820	0.250	ug/l	0.800		102	90-110			QAL1
Calibration Check (P0H3106-CCV2)				Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	0.820	0.250	ug/l	0.800		102	90-110			QAL1
Matrix Spike (P0H3106-MS1)		**Source: 0H26015-01**		Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	0.860	0.250	ug/l	0.800	ND	108	75-125			QAL1
Matrix Spike Dup (P0H3106-MSD1)		**Source: 0H26015-01**		Prepared: 08/31/20 Analyzed: 09/01/20						
Mercury	0.830	0.250	ug/l	0.800	ND	104	75-125	3.55	20	QAL1
Batch P0I1302 - General Preparation (Metals)										
Blank (P0I1302-BLK1)				Prepared & Analyzed: 09/13/20						
Molybdenum	0.00188	0.00800	mg/L							J, QAL1
Aluminum	ND	0.0550	"							QAL1
Chromium	ND	0.0910	"							QAL1
Manganese	ND	0.0200	"							QAL1
Copper	0.00115	0.00800	"							J, QAL1
Iron	ND	0.0400	"							QAL1
Lead	ND	0.0110	"							QAL1
Cadmium	ND	0.00100	"							QAL1
Selenium	ND	0.00400	"							QAL1
Boron	ND	0.0520	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Barium	ND	0.00100	"							QAL1
Zinc	ND	0.00100	"							QAL1
Nickel	ND	0.0060	"							QAL1
Silver	ND	0.00500	"							QAL1
Cobalt	ND	0.00200	"							QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I1302 - General Preparation (Metals)										
LCS (P0I1302-BS1)				Prepared & Analyzed: 09/13/20						
Zinc	0.0398	0.00100	mg/L	0.0400		99.5	80-120			QAL1
Barium	0.0408	0.000500	"	0.0400		102	80-120			QAL1
Manganese	0.0415	0.0200	"	0.0400		104	80-120			QAL1
Silver	0.0360	0.00500	"	0.0400		90.0	80-120			QAL1
Aluminum	0.0348	0.0275	"	0.0400		87.1	75-125			QAL1
Arsenic	0.0388	0.00800	"	0.0400		97.1	80-120			QAL1
Cobalt	ND	0.00200	"				80-120			QAL1
Cadmium	0.0416	0.00100	"	0.0400		104	80-120			QAL1
Boron	0.0316	0.0520	"	0.0400		79.1	75-120			QAL1
Copper	0.0417	0.00800	"	0.0400		104	80-120			QAL1
Iron	0.0391	0.0200	"	0.0400		97.7	75-120			QAL1
Selenium	0.0392	0.00400	"	0.0400		97.9	80-120			QAL1
Chromium	0.0397	0.0910	"	0.0400		99.2	80-120			QAL1
Nickel	0.0404	0.0060	"	0.0400		101	80-120			QAL1
Molybdenum	0.0360	0.00800	"	0.0400		89.9	80-120			QAL1
Lead	0.0400	0.0110	"	0.0400		100	80-120			QAL1
LCS Dup (P0I1302-BSD1)				Prepared & Analyzed: 09/13/20						
Molybdenum	0.0349	0.00800	mg/L	0.0400		87.2	80-120	3.05	20	QAL1
Manganese	0.0382	0.0200	"	0.0400		95.5	80-120	8.26	20	QAL1
Barium	0.0378	0.000500	"	0.0400		94.5	80-120	7.56	20	QAL1
Nickel	0.0381	0.0060	"	0.0400		95.2	80-120	5.94	20	QAL1
Cobalt	ND	0.00200	"				80-120		20	QAL1
Arsenic	0.0362	0.00800	"	0.0400		90.6	80-120	7.00	20	QAL1
Cadmium	0.0385	0.00100	"	0.0400		96.3	80-120	7.72	20	QAL1
Lead	0.0355	0.0110	"	0.0400		88.8	80-120	11.9	20	QAL1
Silver	0.0333	0.00500	"	0.0400		83.4	80-120	7.71	20	QAL1
Zinc	0.0411	0.00100	"	0.0400		103	80-120	3.08	20	QAL1
Selenium	0.0354	0.00400	"	0.0400		88.6	80-120	9.99	20	QAL1
Iron	0.0339	0.0200	"	0.0400		84.8	75-120	14.2	20	QAL1
Copper	0.0379	0.00800	"	0.0400		94.7	80-120	9.59	20	QAL1
Chromium	0.0366	0.0910	"	0.0400		91.4	80-120	8.16	20	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I1302 - General Preparation (Metals)										
Duplicate (P0I1302-DUP1)		**Source: 0H26015-01RE1**		Prepared & Analyzed: 09/13/20						
Barium	0.643	0.00100	mg/L		0.631			1.79	20	QAL1
Boron	0.115	0.0520	"		0.114			1.12	20	QAL1
Cobalt	ND	0.00200	"		ND				20	QAL1
Chromium	ND	0.0910	"		ND				20	QAL1
Copper	0.0249	0.00800	"		0.0241			3.12	20	QAL1
Zinc	0.0150	0.00100	"		0.0151			0.596	20	QAL1
Aluminum	0.0260	0.0550	"		0.0433			50.0	20	QAL1, R2
Nickel	ND	0.0060	"		ND				20	QAL1
Iron	0.456	0.0400	"		0.443			2.91	20	QAL1
Manganese	0.0864	0.0200	"		0.0856			0.891	20	QAL1
Selenium	ND	0.00400	"		ND				20	QAL1
Lead	0.00685	0.0110	"		0.00809			16.6	20	QAL1
Silver	ND	0.00500	"		ND				20	QAL1
Cadmium	ND	0.00100	"		ND				20	QAL1
Molybdenum	0.00305	0.00800	"		0.00348			13.1	20	QAL1, J
Arsenic	0.00862	0.00800	"		0.00818			5.21	20	QAL1
Matrix Spike (P0I1302-MS1)		**Source: 0H26015-01RE1**		Prepared & Analyzed: 09/13/20						
Silver	0.0329	0.00500	mg/L	0.0400	ND	82.2	75-125			QAL1
Boron	0.150	0.0520	"	0.0400	0.114	89.2	75-125			QAL1
Lead	0.0428	0.0110	"	0.0400	0.00809	86.8	75-125			QAL1
Molybdenum	0.0396	0.00800	"	0.0400	0.00348	90.2	75-125			QAL1
Selenium	0.0416	0.00400	"	0.0400	ND	104	75-125			QAL1
Nickel	0.0372	0.0060	"	0.0400	ND	93.1	75-125			QAL1
Manganese	0.122	0.0200	"	0.0400	0.0856	90.5	75-125			QAL1
Copper	0.0599	0.00800	"	0.0400	0.0241	89.5	75-125			QAL1
Cobalt	ND	0.00200	"		ND		75-125			QAL1
Iron	0.504	0.0400	"	0.0400	0.443	153	75-125			QAL1, QM-07
Chromium	0.0392	0.0910	"	0.0400	ND	97.9	75-125			QAL1
Cadmium	0.0382	0.00100	"	0.0400	ND	95.4	75-125			QAL1
Aluminum	0.133	0.0550	"	0.0400	0.0433	225	75-125			QAL1, QM-07
Arsenic	0.0507	0.00800	"	0.0400	0.00818	106	75-125			QAL1
Barium	0.694	0.00100	"	0.0400	0.631	156	75-125			QAL1, QM-07
Zinc	0.0550	0.00100	"	0.0400	0.0151	99.9	75-125			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0I1302 - General Preparation (Metals)										
Matrix Spike Dup (P0I1302-MSD1)		**Source: 0H26015-01RE1**		Prepared & Analyzed: 09/13/20						
Copper	0.0607	0.00800	mg/L	0.0400	0.0241	91.5	75-125	1.33	20	QAL1
Zinc	0.0549	0.00100	"	0.0400	0.0151	99.7	75-125	0.197	20	QAL1
Lead	0.0426	0.0110	"	0.0400	0.00809	86.2	75-125	0.613	20	QAL1
Molybdenum	0.0408	0.00800	"	0.0400	0.00348	93.4	75-125	3.11	20	QAL1
Aluminum	0.130	0.0550	"	0.0400	0.0433	216	75-125	2.76	20	QAL1, QM-07
Nickel	0.0372	0.0060	"	0.0400	ND	93.1	75-125	0.0124	20	QAL1
Arsenic	0.0489	0.00800	"	0.0400	0.00818	102	75-125	3.51	20	QAL1
Boron	0.149	0.0520	"	0.0400	0.114	87.1	75-125	0.567	20	QAL1
Selenium	0.0422	0.00400	"	0.0400	ND	106	75-125	1.42	20	QAL1
Cobalt	ND	0.00200	"		ND		75-125		20	QAL1
Cadmium	0.0381	0.00100	"	0.0400	ND	95.1	75-125	0.252	20	QAL1
Barium	0.702	0.00100	"	0.0400	0.631	176	75-125	1.16	20	QAL1, QM-07
Silver	0.0284	0.00500	"	0.0400	ND	71.1	75-125	14.5	20	QAL1, QM-07
Iron	0.511	0.0400	"	0.0400	0.443	170	75-125	1.32	20	QAL1, QM-07
Chromium	0.0389	0.0910	"	0.0400	ND	97.4	75-125	0.539	20	QAL1
Manganese	0.122	0.0200	"	0.0400	0.0856	90.0	75-125	0.167	20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/16/2020

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OH26015

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO_4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX SD21B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
																	TCLP:															
																	TOTAL:															
1	Post-Metals	NA	NA	8/25/20	14:10		1	X	X							GW	X	X	X												X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	8/26/20	10:49			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				8/26/20	10:49

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 4.3 °C
Adjusted: 5.3 °C Factor 1.2

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0J01001

NELAP/TCEQ # T104704516-18-9

Report Date: 10/16/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0J01001-01	Water	09/29/20 15:25	10-01-2020 16:41

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Post-Metals

0J01001-01 (Water)

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silver	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Aluminum	ND	0.0550	mg/L	1	P0J1308	10/13/20	10/15/20	EPA 6010B	QAL1
Arsenic	**0.00877**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Boron	**0.234**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Barium	**0.303**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Copper	**0.00485**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1, J
Iron	**0.0462**	0.0400	mg/L	1	P0J1308	10/13/20	10/15/20	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0J0705	10/07/20	10/09/20	EPA 7470A	QAL1
Manganese	**0.183**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Molybdenum	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Lead	**0.00802**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1
Zinc	**0.0131**	0.00800	mg/L	1	P0J1308	10/13/20	10/14/20	EPA 6010B	QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0J0705 - General Preparation (Metals)										
Blank (P0J0705-BLK1)				Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0J0705-BS1)				Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	2.13	0.250	ug/l	2.00		106	80-120			QAL1
LCS Dup (P0J0705-BSD1)				Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	2.13	0.250	ug/l	2.00		106	80-120	0.00	20	QAL1
Calibration Blank (P0J0705-CCB1)				Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	-0.100		ug/l							QAL1
Calibration Blank (P0J0705-CCB2)				Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	-0.0900		ug/l							QAL1
Matrix Spike (P0J0705-MS1)		**Source: 0J01001-01**		Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	2.04	0.250	ug/l	2.00	ND	102	75-125			QAL1
Matrix Spike Dup (P0J0705-MSD1)		**Source: 0J01001-01**		Prepared: 10/07/20 Analyzed: 10/09/20						
Mercury	2.07	0.250	ug/l	2.00	ND	104	75-125	1.46	20	QAL1
Batch P0J1308 - General Preparation (Metals)										
Blank (P0J1308-BLK1)				Prepared: 10/13/20 Analyzed: 10/14/20						
Arsenic	ND	0.00800	mg/L							QAL1
Aluminum	ND	0.0550	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Silver	ND	0.00800	"							QAL1
Lead	ND	0.00800	"							QAL1
Selenium	ND	0.00800	"							QAL1
Barium	ND	0.00800	"							QAL1
Nickel	ND	0.0080	"							QAL1
Iron	ND	0.0400	"							QAL1
Manganese	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
Boron	ND	0.00800	"							QAL1
Cobalt	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Zinc	ND	0.00800	"							QAL1
Copper	ND	0.00800	"							QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0J1308 - General Preparation (Metals)										
LCS (P0J1308-BS1)				Prepared: 10/13/20 Analyzed: 10/14/20						
Cobalt	0.0415	0.00800	mg/L	0.0400		104	80-120			QAL1
Iron	0.0754	0.0400	"	0.0800		94.2	80-120			QAL1
Arsenic	0.0431	0.00800	"	0.0400		108	80-120			QAL1
Molybdenum	0.0416	0.00800	"	0.0400		104	80-120			QAL1
Nickel	0.0426	0.0080	"	0.0400		107	80-120			QAL1
Boron	0.0419	0.00800	"	0.0400		105	80-120			QAL1
Manganese	0.0413	0.00800	"	0.0400		103	80-120			QAL1
Copper	0.0415	0.00800	"	0.0400		104	80-120			QAL1
Chromium	0.0415	0.00800	"	0.0400		104	80-120			QAL1
Zinc	0.0441	0.00800	"	0.0400		110	80-120			QAL1
Selenium	0.0427	0.00800	"	0.0400		107	80-120			QAL1
Lead	0.0402	0.00800	"	0.0400		100	80-120			QAL1
Silver	0.0384	0.00800	"	0.0400		95.9	80-120			QAL1
Cadmium	0.0427	0.00800	"	0.0400		107	80-120			QAL1
Aluminum	0.0789	0.0550	"	0.0800		98.6	80-120			QAL1
Barium	0.0845	0.00800	"	0.0800		106	80-120			QAL1
LCS Dup (P0J1308-BSD1)				Prepared: 10/13/20 Analyzed: 10/14/20						
Zinc	0.0442	0.00800	mg/L	0.0400		111	80-120	0.205	20	QAL1
Iron	0.0779	0.0400	"	0.0800		97.4	80-120	3.36	20	QAL1
Cobalt	0.0415	0.00800	"	0.0400		104	80-120	0.152	20	QAL1
Manganese	0.0415	0.00800	"	0.0400		104	80-120	0.486	20	QAL1
Barium	0.0849	0.00800	"	0.0800		106	80-120	0.489	20	QAL1
Selenium	0.0424	0.00800	"	0.0400		106	80-120	0.487	20	QAL1
Copper	0.0418	0.00800	"	0.0400		105	80-120	0.860	20	QAL1
Nickel	0.0425	0.0080	"	0.0400		106	80-120	0.305	20	QAL1
Cadmium	0.0427	0.00800	"	0.0400		107	80-120	0.168	20	QAL1
Lead	0.0398	0.00800	"	0.0400		99.6	80-120	0.789	20	QAL1
Boron	0.0406	0.00800	"	0.0400		101	80-120	3.29	20	QAL1
Aluminum	0.0817	0.0550	"	0.0800		102	80-120	3.58	20	QAL1
Silver	0.0379	0.00800	"	0.0400		94.7	80-120	1.22	20	QAL1
Molybdenum	0.0411	0.00800	"	0.0400		103	80-120	1.15	20	QAL1
Chromium	0.0414	0.00800	"	0.0400		103	80-120	0.329	20	QAL1
Arsenic	0.0430	0.00800	"	0.0400		108	80-120	0.256	20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0J1308 - General Preparation (Metals)										
Calibration Blank (P0J1308-CCB1)				Prepared: 10/13/20 Analyzed: 10/14/20						
Barium	0.000628		mg/L							QAL1
Copper	0.000916		"							QAL1, J
Aluminum	0.0000561		"							QAL1
Silver	-0.00277		"							QAL1
Cobalt	-0.0000787		"							QAL1
Chromium	0.0000664		"							QAL1
Cadmium	-0.000165		"							QAL1
Boron	-0.00524		"							QAL1
Arsenic	-0.000646		"							QAL1
Lead	-0.00140		"							QAL1
Manganese	-0.0000507		"							QAL1
Zinc	-0.000886		"							QAL1
Iron	-0.000161		"							QAL1
Selenium	-0.00211		"							QAL1
Molybdenum	0.000367		"							QAL1
Nickel	-0.000183		"							QAL1
Calibration Blank (P0J1308-CCB2)				Prepared: 10/13/20 Analyzed: 10/14/20						
Manganese	-0.0000529		mg/L							QAL1
Cadmium	-0.0000585		"							QAL1
Arsenic	0.000375		"							QAL1
Chromium	0.0000924		"							QAL1
Aluminum	0.0000935		"							QAL1
Boron	-0.0106		"							QAL1
Silver	-0.00291		"							QAL1
Lead	-0.00190		"							QAL1
Selenium	-0.000744		"							QAL1
Barium	0.000415		"							QAL1
Zinc	-0.000949		"							QAL1
Nickel	-0.000325		"							QAL1
Cobalt	-0.0000716		"							QAL1
Copper	0.00114		"							QAL1, J
Iron	0.0000826		"							QAL1
Molybdenum	0.00672		"							QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0J1308 - General Preparation (Metals)										
Calibration Check (P0J1308-CCV1)				Prepared: 10/13/20 Analyzed: 10/15/20						
Iron	0.0787	0.0400	mg/L	0.0800		98.4	90-110			QAL1
Copper	0.0414	0.00800	"	0.0400		104	85-115			QAL1
Chromium	0.0401	0.00800	"	0.0400		100	85-115			QAL1
Selenium	0.0460	0.00800	"	0.0400		115	85-115			QAL1
Lead	0.0402	0.00800	"	0.0400		101	85-115			QAL1
Cobalt	0.0405	0.00800	"	0.0400		101	85-115			QAL1
Cadmium	0.0419	0.00800	"	0.0400		105	85-115			QAL1
Molybdenum	0.0413	0.00800	"	0.0400		103	85-115			QAL1
Aluminum	0.0801	0.0550	"	0.0800		100	90-110			QAL1
Arsenic	0.0429	0.00800	"	0.0400		107	85-115			QAL1
Barium	0.0824	0.00800	"	0.0800		103	85-115			QAL1
Nickel	0.0419	0.0080	"	0.0400		105	85-115			QAL1
Zinc	0.0416	0.00800	"	0.0400		104	85-115			QAL1
Boron	0.0411	0.00800	"	0.0400		103	80-115			QAL1
Silver	0.0414	0.00800	"	0.0400		104	85-115			QAL1
Manganese	0.0407	0.00800	"	0.0400		102	85-115			QAL1
Calibration Check (P0J1308-CCV2)				Prepared: 10/13/20 Analyzed: 10/14/20						
Chromium	0.0396	0.00800	mg/L	0.0400		99.1	85-115			QAL1
Aluminum	0.0772	0.0550	"	0.0800		96.5	90-110			QAL1
Zinc	0.0404	0.00800	"	0.0400		101	85-115			QAL1
Nickel	0.0398	0.0080	"	0.0400		99.6	85-115			QAL1
Silver	0.0393	0.00800	"	0.0400		98.3	85-115			QAL1
Lead	0.0387	0.00800	"	0.0400		96.8	85-115			QAL1
Molybdenum	0.0457	0.00800	"	0.0400		114	85-115			QAL1
Cobalt	0.0398	0.00800	"	0.0400		99.6	85-115			QAL1
Arsenic	0.0417	0.00800	"	0.0400		104	85-115			QAL1
Manganese	0.0393	0.00800	"	0.0400		98.2	85-115			QAL1
Cadmium	0.0412	0.00800	"	0.0400		103	85-115			QAL1
Iron	0.0766	0.0400	"	0.0800		95.8	90-110			QAL1
Selenium	0.0422	0.00800	"	0.0400		105	85-115			QAL1
Barium	0.0830	0.00800	"	0.0800		104	85-115			QAL1
Copper	0.0401	0.00800	"	0.0400		100	85-115			QAL1
Boron	0.0322	0.00800	"	0.0400		80.6	80-115			QAL1

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0J1308 - General Preparation (Metals)										
Matrix Spike (P0J1308-MS1)	**Source: 0J01001-01**			Prepared: 10/13/20 Analyzed: 10/14/20						
Chromium	0.0409	0.00800	mg/L	0.0400	ND	102	75-125			QAL1
Nickel	0.0412	0.0080	"	0.0400	ND	103	75-125			QAL1
Selenium	0.0468	0.00800	"	0.0400	ND	117	75-125			QAL1
Barium	0.389	0.00800	"	0.0800	0.303	108	75-125			QAL1
Copper	0.0454	0.00800	"	0.0400	0.00485	101	75-125			QAL1
Lead	0.0483	0.00800	"	0.0400	0.00802	101	75-125			QAL1
Manganese	0.221	0.00800	"	0.0400	0.183	94.8	75-125			QAL1
Iron	0.122	0.0400	"	0.0800	0.0462	94.9	75-125			QAL1
Arsenic	0.0546	0.00800	"	0.0400	0.00877	115	75-125			QAL1
Zinc	0.0554	0.00800	"	0.0400	0.0131	106	75-125			QAL1
Cobalt	0.0413	0.00800	"	0.0400	ND	103	75-125			QAL1
Silver	0.0376	0.00800	"	0.0400	ND	94.1	75-125			QAL1
Boron	0.276	0.00800	"	0.0400	0.234	105	75-125			QAL1
Cadmium	0.0434	0.00800	"	0.0400	ND	108	75-125			QAL1
Molybdenum	0.0442	0.00800	"	0.0400	ND	111	75-125			QAL1
Aluminum	0.0714	0.0550	"	0.0800	ND	89.2	75-125			QAL1
Matrix Spike Dup (P0J1308-MSD1)	**Source: 0J01001-01**			Prepared: 10/13/20 Analyzed: 10/14/20						
Barium	0.393	0.00800	mg/L	0.0800	0.303	113	75-125	1.09	20	QAL1
Boron	0.275	0.00800	"	0.0400	0.234	101	75-125	0.527	20	QAL1
Cadmium	0.0431	0.00800	"	0.0400	ND	108	75-125	0.582	20	QAL1
Silver	0.0372	0.00800	"	0.0400	ND	92.9	75-125	1.27	20	QAL1
Arsenic	0.0527	0.00800	"	0.0400	0.00877	110	75-125	3.47	20	QAL1
Selenium	0.0461	0.00800	"	0.0400	ND	115	75-125	1.61	20	QAL1
Zinc	0.0549	0.00800	"	0.0400	0.0131	105	75-125	0.771	20	QAL1
Cobalt	0.0406	0.00800	"	0.0400	ND	102	75-125	1.52	20	QAL1
Iron	0.114	0.0400	"	0.0800	0.0462	85.0	75-125	6.76	20	QAL1
Molybdenum	0.0446	0.00800	"	0.0400	ND	112	75-125	0.926	20	QAL1
Copper	0.0462	0.00800	"	0.0400	0.00485	103	75-125	1.69	20	QAL1
Chromium	0.0417	0.00800	"	0.0400	ND	104	75-125	1.97	20	QAL1
Lead	0.0472	0.00800	"	0.0400	0.00802	98.1	75-125	2.12	20	QAL1
Manganese	0.222	0.00800	"	0.0400	0.183	95.7	75-125	0.157	20	QAL1
Aluminum	0.0619	0.0550	"	0.0800	ND	77.3	75-125	14.3	20	QAL1
Nickel	0.0409	0.0080	"	0.0400	ND	102	75-125	0.625	20	QAL1

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 10/16/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

(lab use only)
ORDER #: 0J01001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	9/29/20	15:25		1	X	X							GW	X	X	X												X

Special Instructions:
Bill to Plains

	Relinquished by:	Date	Time	Received by:	Date	Time
		9/30/20	16:41			
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by PBEL:	Date	Time
					9/30/20	16:41

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: 8.8 °C CF+1
Adjusted: 9.8 °C Factor .2

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0K04002

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/01/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0K04002-01	Water	11/03/20 16:00	11-04-2020 09:25

Iron and Manganese were reanalyzed for confirmation. The reanalysis confirmed the initial analysis.

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0K04002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Total Metals by EPA / Standard Methods									
Silver	ND	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Aluminum	ND	0.0200	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Arsenic	**0.00665**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1, J
Boron	**0.150**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Barium	**0.294**	0.0200	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Chromium	ND	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Copper	**0.0208**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Iron	**1.03**	0.0200	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0K1205	11/12/20 12:17	11/13/20 15:38	EPA 7470A	
Manganese	**0.261**	0.0200	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Molybdenum	ND	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Nickel	ND	0.0080	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Lead	**0.0113**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1
Selenium	**0.00342**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1, J
Zinc	**0.555**	0.00800	mg/L	1	P0K1108	11/11/20 14:27	11/12/20 11:07	EPA 6010B	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1108 - General Preparation (Metals)										
Blank (P0K1108-BLK1)				Prepared: 11/11/20 Analyzed: 11/12/20						
Selenium	0.00430	0.00800	mg/L							QAL1, J
Lead	ND	0.00800	"							QAL1
Barium	ND	0.0200	"							QAL1
Manganese	ND	0.0200	"							QAL1
Molybdenum	ND	0.00800	"							QAL1
Boron	ND	0.00800	"							QAL1
Iron	ND	0.0200	"							QAL1
Copper	ND	0.00800	"							QAL1
Arsenic	ND	0.00800	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Zinc	0.000824	0.00800	"							QAL1
Aluminum	ND	0.0200	"							QAL1
Nickel	ND	0.0080	"							QAL1
Cobalt	ND	0.00800	"							QAL1
Silver	ND	0.00800	"							QAL1
Chromium	ND	0.00800	"							QAL1
LCS (P0K1108-BS1)				Prepared: 11/11/20 Analyzed: 11/12/20						
Silver	0.0418	0.00800	mg/L	0.0400		104	80-120			QAL1
Barium	0.0820	0.0200	"	0.0800		103	80-120			QAL1
Manganese	0.0407	0.0200	"	0.0400		102	80-120			QAL1
Nickel	0.0413	0.0080	"	0.0400		103	80-120			QAL1
Boron	0.0414	0.00800	"	0.0400		104	80-120			QAL1
Molybdenum	0.0385	0.00800	"	0.0400		96.1	80-120			QAL1
Iron	0.0734	0.0200	"	0.0800		91.7	80-120			QAL1
Selenium	0.0451	0.00800	"	0.0400		113	80-120			QAL1
Copper	0.0378	0.00800	"	0.0400		94.6	80-120			QAL1
Arsenic	0.0416	0.00800	"	0.0400		104	80-120			QAL1
Lead	0.0409	0.00800	"	0.0400		102	80-120			QAL1
Zinc	0.0416	0.00800	"	0.0400		104	80-120			QAL1
Aluminum	0.0825	0.0200	"	0.0800		103	80-120			QAL1
Chromium	0.0412	0.00800	"	0.0400		103	80-120			QAL1
Cobalt	0.0406	0.00800	"	0.0400		101	80-120			QAL1
Cadmium	0.0419	0.00800	"	0.0400		105	80-120			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1108 - General Preparation (Metals)										
LCS Dup (P0K1108-BSD1)				Prepared: 11/11/20 Analyzed: 11/12/20						
Barium	0.0815	0.0200	mg/L	0.0800		102	80-120	0.709	20	QAL1
Molybdenum	0.0385	0.00800	"	0.0400		96.4	80-120	0.221	20	QAL1
Copper	0.0372	0.00800	"	0.0400		92.9	80-120	1.79	20	QAL1
Manganese	0.0403	0.0200	"	0.0400		101	80-120	0.886	20	QAL1
Chromium	0.0415	0.00800	"	0.0400		104	80-120	0.824	20	QAL1
Iron	0.0732	0.0200	"	0.0800		91.5	80-120	0.235	20	QAL1
Lead	0.0419	0.00800	"	0.0400		105	80-120	2.55	20	QAL1
Nickel	0.0411	0.0080	"	0.0400		103	80-120	0.465	20	QAL1
Silver	0.0405	0.00800	"	0.0400		101	80-120	3.15	20	QAL1
Aluminum	0.0824	0.0200	"	0.0800		103	80-120	0.140	20	QAL1
Cobalt	0.0408	0.00800	"	0.0400		102	80-120	0.657	20	QAL1
Cadmium	0.0422	0.00800	"	0.0400		106	80-120	0.721	20	QAL1
Arsenic	0.0424	0.00800	"	0.0400		106	80-120	2.01	20	QAL1
Selenium	0.0432	0.00800	"	0.0400		108	80-120	4.46	20	QAL1
Boron	0.0406	0.00800	"	0.0400		101	80-120	2.14	20	QAL1
Zinc	0.0418	0.00800	"	0.0400		105	80-120	0.551	20	QAL1
Calibration Blank (P0K1108-CCB1)				Prepared: 11/11/20 Analyzed: 11/12/20						
Chromium	-0.000261		mg/L							QAL1
Cadmium	-0.0000194		"							QAL1
Manganese	-0.0000406		"							QAL1
Barium	0.0000212		"							QAL1
Molybdenum	0.000332		"							QAL1
Cobalt	0.000121		"							QAL1
Iron	-0.000709		"							QAL1
Arsenic	0.00131		"							QAL1
Lead	0.00203		"							QAL1
Boron	-0.00114		"							QAL1
Aluminum	0.00109		"							QAL1
Selenium	0.00274		"							QAL1, J
Zinc	0.000475		"							QAL1
Copper	0.000863		"							QAL1, J
Silver	0.00174		"							QAL1
Nickel	0.000237		"							QAL1

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

Project: 97-04
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Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1108 - General Preparation (Metals)										
Calibration Blank (P0K1108-CCB2)				Prepared: 11/11/20 Analyzed: 11/12/20						
Zinc	0.00102		mg/L							QAL1
Silver	0.00138		"							QAL1
Cadmium	0.0000675		"							QAL1
Aluminum	0.00185		"							QAL1
Iron	-0.0000514		"							QAL1
Chromium	0.000833		"							QAL1
Cobalt	-0.0000657		"							QAL1
Nickel	-0.000113		"							QAL1
Boron	-0.00442		"							QAL1
Manganese	-0.0000917		"							QAL1
Molybdenum	0.0396		"							QAL1
Selenium	0.0000193		"							QAL1
Arsenic	0.00116		"							QAL1
Lead	0.000220		"							QAL1
Barium	-0.0000246		"							QAL1
Copper	0.00202		"							QAL1
Calibration Check (P0K1108-CCV1)				Prepared: 11/11/20 Analyzed: 11/12/20						
Cadmium	0.0424	0.00800	mg/L	0.0400		106	85-115			QAL1
Barium	0.0822	0.0200	"	0.0800		103	85-115			QAL1
Aluminum	0.0886	0.0200	"	0.0800		111	85-115			QAL1
Silver	0.0427	0.00800	"	0.0400		107	85-115			QAL1
Boron	0.0421	0.00800	"	0.0400		105	85-115			QAL1
Molybdenum	0.0388	0.00800	"	0.0400		97.1	85-115			QAL1
Arsenic	0.0420	0.00800	"	0.0400		105	85-115			QAL1
Manganese	0.0410	0.0200	"	0.0400		103	85-115			QAL1
Copper	0.0367	0.00800	"	0.0400		91.7	85-115			QAL1
Nickel	0.0410	0.0080	"	0.0400		103	85-115			QAL1
Lead	0.0419	0.00800	"	0.0400		105	85-115			QAL1
Iron	0.0981	0.0200	"	0.0800		123	70-130			QAL1
Chromium	0.0418	0.00800	"	0.0400		105	85-115			QAL1
Zinc	0.0395	0.00800	"	0.0400		98.7	85-115			QAL1
Cobalt	0.0407	0.00800	"	0.0400		102	85-115			QAL1
Selenium	0.0455	0.00800	"	0.0400		114	85-115			QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1108 - General Preparation (Metals)										
Calibration Check (P0K1108-CCV2)				Prepared: 11/11/20 Analyzed: 11/12/20						
Barium	0.0835	0.0200	mg/L	0.0800		104	85-115			QAL1
Iron	0.102	0.0200	"	0.0800		128	70-130			QAL1
Boron	0.0375	0.00800	"	0.0400		93.7	85-115			QAL1
Selenium	0.0460	0.00800	"	0.0400		115	85-115			QAL1
Aluminum	0.0914	0.0200	"	0.0800		114	85-115			QAL1
Molybdenum	0.0503	0.00800	"	0.0400		126	85-115			QAL1
Silver	0.0419	0.00800	"	0.0400		105	85-115			QAL1
Nickel	0.0422	0.0080	"	0.0400		105	85-115			QAL1
Manganese	0.0413	0.0200	"	0.0400		103	85-115			QAL1
Cadmium	0.0425	0.00800	"	0.0400		106	85-115			QAL1
Cobalt	0.0408	0.00800	"	0.0400		102	85-115			QAL1
Copper	0.0387	0.00800	"	0.0400		96.7	85-115			QAL1
Lead	0.0430	0.00800	"	0.0400		108	85-115			QAL1
Zinc	0.0406	0.00800	"	0.0400		101	85-115			QAL1
Chromium	0.0426	0.00800	"	0.0400		106	85-115			QAL1
Arsenic	0.0446	0.00800	"	0.0400		111	85-115			QAL1
Duplicate (P0K1108-DUP1)		**Source: 0K04002-01**		Prepared: 11/11/20 Analyzed: 11/12/20						
Selenium	ND	0.00800	mg/L		0.00342				20	QAL1
Zinc	0.556	0.00800	"		0.555			0.176	20	QAL1
Cadmium	ND	0.00800	"		ND				20	QAL1
Silver	ND	0.00800	"		ND				20	QAL1
Aluminum	ND	0.0200	"		0.0121				20	QAL1
Arsenic	0.00742	0.00800	"		0.00665			11.0	20	QAL1, J
Boron	0.149	0.00800	"		0.150			1.03	20	QAL1
Molybdenum	ND	0.00800	"		ND				20	QAL1
Barium	0.294	0.0200	"		0.294			0.0612	20	QAL1
Lead	0.0101	0.00800	"		0.0113			11.5	20	QAL1
Cobalt	ND	0.00800	"		ND				20	QAL1
Chromium	ND	0.00800	"		ND				20	QAL1
Copper	0.0209	0.00800	"		0.0208			0.614	20	QAL1
Iron	1.04	0.0200	"		1.03			1.74	20	QAL1
Manganese	0.258	0.0200	"		0.261			1.20	20	QAL1
Nickel	ND	0.0080	"		ND				20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1108 - General Preparation (Metals)										
Matrix Spike (P0K1108-MS1)	**Source: 0K04002-01**			Prepared: 11/11/20 Analyzed: 11/12/20						
Zinc	0.580	0.00800	mg/L	0.0200	0.555	122	75-125			QAL1
Selenium	0.0238	0.00800	"	0.0200	0.00342	102	75-125			QAL1
Molybdenum	0.0190	0.00800	"	0.0200	ND	95.1	75-125			QAL1
Silver	0.0169	0.00800	"	0.0200	ND	84.7	75-125			QAL1
Cadmium	0.0209	0.00800	"	0.0200	ND	104	75-125			QAL1
Boron	0.171	0.00800	"	0.0200	0.150	101	75-125			QAL1
Iron	1.17	0.0200	"	0.0400	1.03	354	75-125			QAL1, QM-07
Manganese	0.279	0.0200	"	0.0200	0.261	87.0	75-125			QAL1
Barium	0.336	0.0200	"	0.0400	0.294	105	75-125			QAL1
Aluminum	0.0510	0.0200	"	0.0400	0.0121	97.3	75-125			QAL1
Chromium	0.0201	0.00800	"	0.0200	ND	101	75-125			QAL1
Arsenic	0.0293	0.00800	"	0.0200	0.00665	113	75-125			QAL1
Nickel	0.0199	0.0080	"	0.0200	ND	99.6	75-125			QAL1
Lead	0.0288	0.00800	"	0.0200	0.0113	87.5	75-125			QAL1
Cobalt	0.0191	0.00800	"	0.0200	ND	95.5	75-125			QAL1
Copper	0.0408	0.00800	"	0.0200	0.0208	100	75-125			QAL1
Matrix Spike Dup (P0K1108-MSD1)	**Source: 0K04002-01**			Prepared: 11/11/20 Analyzed: 11/12/20						
Cadmium	0.0209	0.00800	mg/L	0.0200	ND	105	75-125	0.310	20	QAL1
Boron	0.172	0.00800	"	0.0200	0.150	106	75-125	0.559	20	QAL1
Barium	0.335	0.0200	"	0.0400	0.294	102	75-125	0.293	20	QAL1
Cobalt	0.0189	0.00800	"	0.0200	ND	94.3	75-125	1.31	20	QAL1
Aluminum	0.0512	0.0200	"	0.0400	0.0121	97.6	75-125	0.278	20	QAL1
Nickel	0.0195	0.0080	"	0.0200	ND	97.6	75-125	2.07	20	QAL1
Molybdenum	0.0195	0.00800	"	0.0200	ND	97.6	75-125	2.57	20	QAL1
Arsenic	0.0282	0.00800	"	0.0200	0.00665	108	75-125	3.55	20	QAL1
Selenium	0.0201	0.00800	"	0.0200	0.00342	83.2	75-125	17.2	20	QAL1
Lead	0.0318	0.00800	"	0.0200	0.0113	102	75-125	9.80	20	QAL1
Chromium	0.0209	0.00800	"	0.0200	ND	104	75-125	3.75	20	QAL1
Silver	0.0184	0.00800	"	0.0200	ND	92.0	75-125	8.28	20	QAL1
Copper	0.0403	0.00800	"	0.0200	0.0208	97.4	75-125	1.28	20	QAL1
Zinc	0.582	0.00800	"	0.0200	0.555	131	75-125	0.308	20	QAL1, QM-07
Manganese	0.277	0.0200	"	0.0200	0.261	78.7	75-125	0.598	20	QAL1
Iron	1.17	0.0200	"	0.0400	1.03	368	75-125	0.493	20	QAL1, QM-07

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K1205 - General Preparation (Metals)										
Blank (P0K1205-BLK1)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	ND	0.250	ug/l							
LCS (P0K1205-BS1)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	1.85	0.250	ug/l	2.00		92.5	80-120			
LCS Dup (P0K1205-BSD1)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	1.89	0.250	ug/l	2.00		94.5	80-120	2.14	20	
Calibration Blank (P0K1205-CCB1)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.00		ug/l							
Calibration Blank (P0K1205-CCB2)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.00		ug/l							
Calibration Check (P0K1205-CCV1)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.820	0.250	ug/l	0.800		102	90-110			
Calibration Check (P0K1205-CCV2)				Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.730	0.250	ug/l	0.800		91.2	90-110			
Duplicate (P0K1205-DUP1)		**Source: 0K04002-01**		Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	ND	0.250	ug/l		ND				20	
Matrix Spike (P0K1205-MS1)		**Source: 0K04002-01**		Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.810	0.250	ug/l	0.800	ND	101	75-125			
Matrix Spike Dup (P0K1205-MSD1)		**Source: 0K04002-01**		Prepared: 11/12/20 Analyzed: 11/13/20						
Mercury	0.830	0.250	ug/l	0.800	ND	104	75-125	2.44	20	

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	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.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/1/2020

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com
cjbryant@paalp.com
algroves@paalp.com
sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: OK04002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	11.03.20	1600		1	X	X							GW	X	X	X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	11.04.20	0925			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				11-4-20	0925

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.5 °C
Adjusted: °C Factor CF1.0

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0K18009

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/10/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Metals	0K18009-01	Water	11/17/20 13:58	11-18-2020 11:59

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Metals

0K18009-01 (Water)

Permian Basin Environmental Lab, L.P.

Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Silver	ND	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Aluminum	ND	0.0400	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Arsenic	**0.00742**	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1, J
Boron	**0.170**	0.0200	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Barium	**0.288**	0.0800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	6010B	QAL1
Cadmium	ND	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Cobalt	ND	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Chromium	ND	0.0200	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Copper	**0.0141**	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Iron	**0.249**	0.0400	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Mercury	ND	0.250	ug/l	1	P0K2003	11/20/20 12:01	11/20/20 16:16	EPA 7470A	QAL1
Manganese	**0.0939**	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Molybdenum	**0.00371**	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1, J
Nickel	ND	0.0080	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Lead	**0.0156**	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Selenium	ND	0.00800	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1
Zinc	**0.0326**	0.00100	mg/L	1	P0L0201	12/02/20 09:53	12/02/20 15:40	EPA 6010B	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0K2003 - General Preparation (Metals)										
Blank (P0K2003-BLK1)				Prepared & Analyzed: 11/20/20						
Mercury	ND	0.250	ug/l							QAL1
LCS (P0K2003-BS1)				Prepared & Analyzed: 11/20/20						
Mercury	2.19	0.250	ug/l	2.00		110	80-120			QAL1
LCS Dup (P0K2003-BSD1)				Prepared & Analyzed: 11/20/20						
Mercury	2.14	0.250	ug/l	2.00		107	80-120	2.31	20	QAL1
Calibration Blank (P0K2003-CCB1)				Prepared & Analyzed: 11/20/20						
Mercury	-0.0500		ug/l							QAL1
Calibration Blank (P0K2003-CCB2)				Prepared & Analyzed: 11/20/20						
Mercury	-0.0500		ug/l							QAL1
Calibration Check (P0K2003-CCV1)				Prepared & Analyzed: 11/20/20						
Mercury	0.850	0.250	ug/l	0.800		106	90-110			QAL1
Calibration Check (P0K2003-CCV2)				Prepared & Analyzed: 11/20/20						
Mercury	0.790	0.250	ug/l	0.800		98.8	90-110			QAL1
Matrix Spike (P0K2003-MS1)		**Source: 0K18009-01**		Prepared & Analyzed: 11/20/20						
Mercury	0.820	0.250	ug/l	0.800	ND	102	75-125			QAL1
Matrix Spike Dup (P0K2003-MSD1)		**Source: 0K18009-01**		Prepared & Analyzed: 11/20/20						
Mercury	0.850	0.250	ug/l	0.800	ND	106	75-125	3.59	20	QAL1
Batch P0L0201 - * DEFAULT PREP *** **										
Blank (P0L0201-BLK1)				Prepared: 12/02/20 Analyzed: 12/03/20						
Arsenic	ND	0.00800	mg/L							QAL1
Nickel	ND	0.0080	"							QAL1
Cadmium	ND	0.00800	"							QAL1
Iron	ND	0.0400	"							QAL1
Cobalt	ND	0.00800	"							QAL1
Manganese	ND	0.00800	"							QAL1
Chromium	ND	0.0200	"							QAL1
Barium	ND	0.0800	"							QAL1
Molybdenum	0.00675	0.00800	"							QAL1, J
Aluminum	ND	0.0400	"							QAL1
Boron	ND	0.0200	"							QAL1
Zinc	ND	0.00100	"							QAL1
Copper	0.00841	0.00800	"							QAL1
Selenium	0.00504	0.00800	"							QAL1, J
Lead	ND	0.00800	"							QAL1
Silver	ND	0.0100	"							QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0L0201 - * DEFAULT PREP *** **										
LCS (P0L0201-BS1)				Prepared & Analyzed: 12/02/20						
Cadmium	0.0776	0.00800	mg/L	0.0800		96.9	80-120			QAL1
Silver	0.128	0.00800	"	0.0800		160	80-120			L, QAL1
Arsenic	0.0669	0.00800	"	0.0800		83.7	80-120			QAL1
Chromium	0.0819	0.0200	"	0.0800		102	80-120			QAL1
Cobalt	0.0911	0.00800	"	0.0800		114	80-120			QAL1
Aluminum	0.390	0.0400	"	0.400		97.5	80-120			QAL1
Barium	0.368	0.0800	"	0.400		92.1	80-120			QAL1
Boron	0.0925	0.0200	"	0.0800		116	80-120			QAL1
Copper	0.0931	0.00800	"	0.0800		116	80-120			QAL1
Manganese	0.0739	0.00800	"	0.0800		92.4	80-120			QAL1
Molybdenum	0.0909	0.00800	"	0.0800		114	80-120			QAL1
Zinc	0.470	0.00100	"	0.400		117	80-120			QAL1
Lead	0.0783	0.00800	"	0.0800		97.9	80-120			QAL1
Iron	0.303	0.0400	"	0.400		75.8	75-125			QAL1
Selenium	0.0604	0.00800	"	0.0800		75.5	75-125			QAL1
Nickel	0.0902	0.0080	"	0.0800		113	80-120			QAL1
LCS Dup (P0L0201-BSD1)				Prepared: 12/02/20 Analyzed: 12/03/20						
Arsenic	0.0649	0.00800	mg/L	0.0800		81.1	80-120	3.13	20	QAL1
Nickel	0.0886	0.0080	"	0.0800		111	80-120	1.78	20	QAL1
Manganese	0.0744	0.00800	"	0.0800		93.0	80-120	0.722	20	QAL1
Barium	0.372	0.0800	"	0.400		92.9	80-120	0.906	20	QAL1
Cadmium	0.0760	0.00800	"	0.0800		95.0	80-120	2.01	20	QAL1
Aluminum	0.345	0.0400	"	0.400		86.2	80-120	12.3	20	QAL1
Silver	0.107	0.00800	"	0.0800		133	80-120	18.1	20	L, QAL1
Chromium	0.0780	0.0200	"	0.0800		97.5	80-120	4.85	20	QAL1
Boron	0.0934	0.0200	"	0.0800		117	80-120	0.924	20	QAL1
Iron	0.434	0.0400	"	0.400		108	75-125	35.5	20	QAL1, R2
Selenium	0.0766	0.00800	"	0.0800		95.7	75-125	23.6	20	QAL1
Copper	0.0942	0.00800	"	0.0800		118	80-120	1.18	20	QAL1
Molybdenum	0.0686	0.00800	"	0.0800		85.8	80-120	27.9	20	QAL1
Zinc	0.469	0.00100	"	0.400		117	80-120	0.181	20	QAL1
Cobalt	0.0909	0.00800	"	0.0800		114	80-120	0.232	20	QAL1
Lead	0.0824	0.00800	"	0.0800		103	80-120	5.08	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0L0201 - * DEFAULT PREP *** **										
Matrix Spike (P0L0201-MS1)	**Source: 0K18009-01**			Prepared: 12/02/20 Analyzed: 12/03/20						
Lead	0.0562	0.00800	mg/L	0.0800	0.0156	50.8	75-125			QAL1, QM-07
Silver	0.0113	0.00800	"	0.0800	ND	14.1	75-125			QAL1, QM-07
Selenium	ND	0.00800	"	0.0800	ND		75-125			QAL1, QM-07
Aluminum	0.412	0.0400	"	0.400	ND	103	75-125			QAL1
Nickel	0.00885	0.0080	"	0.0800	ND	11.1	75-125			QAL1, QM-07
Zinc	0.467	0.00100	"	0.400	0.0326	109	75-125			QAL1
Arsenic	0.0269	0.00800	"	0.0800	0.00742	24.4	75-125			QAL1, QM-07
Barium	0.231	0.0800	"	0.400	0.288	NR	75-125			QAL1, QM-07
Chromium	ND	0.0200	"	0.0800	ND		75-125			QAL1, QM-07
Cadmium	0.00642	0.00800	"	0.0800	ND	8.03	75-125			QAL1, QM-07, J
Cobalt	0.0827	0.00800	"	0.0800	ND	103	75-125			QAL1
Molybdenum	0.0126	0.00800	"	0.0800	0.00371	11.1	75-125			QAL1, QM-07
Iron	0.680	0.0400	"	0.400	0.249	108	75-125			QAL1
Boron	0.394	0.0200	"	0.0800	0.170	280	75-125			QAL1, QM-07
Copper	0.0999	0.00800	"	0.0800	0.0141	107	75-125			QAL1
Manganese	0.0952	0.00800	"	0.0800	0.0939	1.62	75-125			QAL1, QM-07
Matrix Spike Dup (P0L0201-MSD1)	**Source: 0K18009-01**			Prepared: 12/02/20 Analyzed: 12/03/20						
Manganese	0.114	0.00800	mg/L	0.0800	0.0939	25.5	75-125	18.2	20	QAL1, QM-07
Selenium	ND	0.00800	"	0.0800	ND		75-125		20	QAL1, QM-07
Copper	0.0987	0.00800	"	0.0800	0.0141	106	75-125	1.19	20	QAL1
Zinc	0.454	0.00100	"	0.400	0.0326	105	75-125	2.86	20	QAL1
Chromium	ND	0.0200	"	0.0800	ND		75-125		20	QAL1, QM-07
Lead	0.0833	0.00800	"	0.0800	0.0156	84.6	75-125	38.8	20	QAL1, R2
Barium	0.267	0.0800	"	0.400	0.288	NR	75-125	14.5	20	QAL1, QM-07
Iron	0.738	0.0400	"	0.400	0.249	122	75-125	8.15	20	QAL1
Boron	0.342	0.0200	"	0.0800	0.170	215	75-125	14.0	20	QAL1, QM-07
Silver	ND	0.00800	"	0.0800	ND		75-125		20	QAL1, QM-07
Molybdenum	0.0131	0.00800	"	0.0800	0.00371	11.7	75-125	3.59	20	QAL1, QM-07
Cadmium	0.00488	0.00800	"	0.0800	ND	6.10	75-125	27.4	20	QAL1, QM-07, J

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Metals by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0L0201 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0L0201-MSD1)		**Source: 0K18009-01**		Prepared & Analyzed: 12/02/20						
Nickel	0.00457	0.0080	mg/L	0.0800	ND	5.71	75-125	63.9	20	QAL1, QM-07
Aluminum	0.433	0.0400	"	0.400	ND	108	75-125	4.86	20	QAL1
Arsenic	0.0371	0.00800	"	0.0800	0.00742	37.1	75-125	31.8	20	QAL1, QM-07
Cobalt	0.0800	0.00800	"	0.0800	ND	99.9	75-125	3.34	20	QAL1

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

Project: 97-04
Project Number: TNM 97-04
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Notes and Definitions

ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/10/2020

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 0K18009

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: Total: Al, B, Co, Cu, Fe, Mn, Mo	Total: Ni, As, Ba, Cd, Cr, Hg, Pb	Total: Se, Ag, Zn	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	RCRA 8 Metals (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP BTEX	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Metals	NA	NA	11:17	13:58		1	X	X							GW	X	X	X												X

Special Instructions:
Bill to Plains

	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by PBEL:	11/18/20	1150

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 3.3 °C
Adjusted: 4.3 °C Factor LF1.42

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0A24026

NELAP/TCEQ # T104704516-17-8

Report Date: 02/07/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-BTEX	0A24026-01	Water	01/23/20 19:00	01-24-2020 12:05

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-BTEX

0A24026-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0A3105	01/31/20	01/31/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0A3105	01/31/20	01/31/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0A3105	01/31/20	01/31/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0A3105	01/31/20	01/31/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0A3105	01/31/20	01/31/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.0 %*	*80-120*		*P0A3105*	*01/31/20*	*01/31/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*80-120*		*P0A3105*	*01/31/20*	*01/31/20*	*EPA 8021B*	

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

Project: TNM 97-04
Project Number: TNM 97-04
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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0A3105 - General Preparation (GC)										
Blank (P0A3105-BLK1)				Prepared & Analyzed: 01/31/20						
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	*0.109*		*"*	*0.120*		*91.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.0*	*80-120*			
LCS (P0A3105-BS1)				Prepared & Analyzed: 01/31/20						
Benzene	0.0963	0.00100	mg/L	0.100		96.3	80-120			
Toluene	0.0963	0.00100	"	0.100		96.3	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
LCS Dup (P0A3105-BSD1)				Prepared & Analyzed: 01/31/20						
Benzene	0.0945	0.00100	mg/L	0.100		94.5	80-120	1.86	20	
Toluene	0.0942	0.00100	"	0.100		94.2	80-120	2.22	20	
Ethylbenzene	0.0984	0.00100	"	0.100		98.4	80-120	1.94	20	
Xylene (p/m)	0.197	0.00200	"	0.200		98.7	80-120	2.01	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	1.33	20	
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			
Calibration Blank (P0A3105-CCB1)				Prepared & Analyzed: 01/31/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.7*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0A3105 - General Preparation (GC)										
Calibration Check (P0A3105-CCV1)				Prepared & Analyzed: 01/31/20						
Benzene	0.0942	0.00100	mg/L	0.100		94.2	80-120			
Toluene	0.0910	0.00100	"	0.100		91.0	80-120			
Ethylbenzene	0.0950	0.00100	"	0.100		95.0	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.6	80-120			
Xylene (o)	0.0945	0.00100	"	0.100		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*80-120*			
Matrix Spike (P0A3105-MS1)		**Source: 0A22002-01**		Prepared & Analyzed: 01/31/20						
Benzene	0.0979	0.00100	mg/L	0.100	ND	97.9	80-120			
Toluene	0.0960	0.00100	"	0.100	ND	96.0	80-120			
Ethylbenzene	0.106	0.00100	"	0.100	ND	106	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200	ND	101	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 2/7/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OA24026

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
—	Post-BTEX	NA	NA	1/23/2020	19:00		3	X								W									X							

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	1-24-20	1205

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: 2.0 +1.0 °C Factor

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0C02016

NELAP/TCEQ # T104704516-17-8

Report Date: 03/09/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0C02016-01	Water	02/28/20 13:45	03-02-2020 10:40

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0C02016-01 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00100	mg/L	1	P0C0317	03/03/20	03/04/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0C0317	03/03/20	03/04/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0C0317	03/03/20	03/04/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0C0317	03/03/20	03/04/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0C0317	03/03/20	03/04/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P0C0317*	*03/03/20*	*03/04/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.6 %*	*80-120*		*P0C0317*	*03/03/20*	*03/04/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0C0317 - General Preparation (GC)										
Blank (P0C0317-BLK1)				Prepared: 03/03/20 Analyzed: 03/04/20						
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*		*96.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.1*	*80-120*			
LCS (P0C0317-BS1)				Prepared: 03/03/20 Analyzed: 03/04/20						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*99.9*	*80-120*			
LCS Dup (P0C0317-BSD1)				Prepared: 03/03/20 Analyzed: 03/04/20						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	0.832	20	
Toluene	0.0984	0.00100	"	0.100		98.4	80-120	0.428	20	
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120	2.09	20	
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120	0.181	20	
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120	0.00	20	
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Calibration Check (P0C0317-CCV2)				Prepared: 03/03/20 Analyzed: 03/04/20						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.120*		*103*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0C0317 - General Preparation (GC)										
Matrix Spike (P0C0317-MS1)		**Source: 0C03020-01**		Prepared: 03/03/20 Analyzed: 03/04/20						
Benzene	0.116	0.00100	mg/L	0.100	0.0110	105	80-120			
Toluene	0.121	0.00100	"	0.100	0.0242	97.2	80-120			
Ethylbenzene	0.134	0.00100	"	0.100	0.00594	128	80-120			QM-07
Xylene (p/m)	0.222	0.00200	"	0.200	0.0159	103	80-120			
Xylene (o)	0.106	0.00100	"	0.100	0.00603	100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/9/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OC020116

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA	2/28/2020	13:45		3	X		X						W									X							X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	3/2/20	10:40

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 4.8 °C
Adjusted: 1.58 °C Factor 1

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0C26006

NELAP/TCEQ # T104704516-18-9

Report Date: 04/01/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0C26006-01	Water	03/25/20 12:30	03-26-2020 09:30

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0C26006-01 (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	P0C2708	03/27/20	03/27/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0C2708	03/27/20	03/27/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0C2708	03/27/20	03/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0C2708	03/27/20	03/27/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0C2708	03/27/20	03/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.9 %*	*80-120*		*P0C2708*	*03/27/20*	*03/27/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P0C2708*	*03/27/20*	*03/27/20*	*EPA 8021B*	

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0C2708 - General Preparation (GC)										
Blank (P0C2708-BLK1)				Prepared & Analyzed: 03/27/20						
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	*0.103*		"	*0.120*		*85.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*91.0*	*80-120*			
LCS (P0C2708-BS1)				Prepared & Analyzed: 03/27/20						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0903	0.00100	"	0.100		90.3	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.3	80-120			
Xylene (o)	0.0857	0.00100	"	0.100		85.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
LCS Dup (P0C2708-BSD1)				Prepared & Analyzed: 03/27/20						
Benzene	0.0957	0.00100	mg/L	0.100		95.7	80-120	5.27	20	
Toluene	0.0880	0.00100	"	0.100		88.0	80-120	2.55	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120	0.564	20	
Xylene (p/m)	0.170	0.00200	"	0.200		85.1	80-120	0.241	20	
Xylene (o)	0.0863	0.00100	"	0.100		86.3	80-120	0.721	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.3*	*80-120*			
Calibration Blank (P0C2708-CCB1)				Prepared & Analyzed: 03/27/20						
Benzene	0.00		mg/L							
Toluene	0.640		"							
Ethylbenzene	0.890		"							
Xylene (p/m)	1.94		"							
Xylene (o)	0.960		"							
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*89.2*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0C2708 - General Preparation (GC)										
Calibration Blank (P0C2708-CCB2)				Prepared & Analyzed: 03/27/20						
Benzene	0.00		mg/L							
Toluene	0.400		"							
Ethylbenzene	0.780		"							
Xylene (p/m)	1.99		"							
Xylene (o)	0.820		"							
Surrogate: 4-Bromofluorobenzene	*0.0970*		*"*	*0.120*		*80.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Calibration Check (P0C2708-CCV1)				Prepared & Analyzed: 03/27/20						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (p/m)	0.168	0.00200	"	0.200		84.2	80-120			
Xylene (o)	0.0866	0.00100	"	0.100		86.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P0C2708-CCV2)				Prepared & Analyzed: 03/27/20						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.0913	0.00100	"	0.100		91.3	80-120			
Ethylbenzene	0.0875	0.00100	"	0.100		87.5	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.0	80-120			
Xylene (o)	0.0837	0.00100	"	0.100		83.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0965*		*"*	*0.120*		*80.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P0C2708-CCV3)				Prepared: 03/27/20 Analyzed: 03/28/20						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.0948	0.00100	"	0.100		94.8	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.8	80-120			
Xylene (o)	0.0902	0.00100	"	0.100		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0C2708 - General Preparation (GC)										
Matrix Spike (P0C2708-MS1)		**Source: 0C24006-01**		Prepared: 03/27/20 Analyzed: 03/28/20						
Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120			
Toluene	0.108	0.00100	"	0.100	ND	108	80-120			
Ethylbenzene	0.105	0.00100	"	0.100	ND	105	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200	ND	103	80-120			
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/1/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0C26006

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	TPH: TX 1005	TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA	03.25.20	1230		3	X		X						GW											X								X

Special Instructions:
Bill to Plains

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: 2/3 °C Factor 1 L2

Relinquished by:	Date	Time	Received by:	Date	Time
	03.26.20	0930			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	3/26/20	0930

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0E27004

NELAP/TCEQ # T104704516-17-8

Report Date: 06/11/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0E27004-01	Water	05/26/20 17:20	05-27-2020 08:15

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0E27004-01 (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	P0F0807	06/08/20	06/09/20	EPA 8021B	
Toluene	ND	0.00500	mg/L	1	P0F0807	06/08/20	06/09/20	EPA 8021B	
Ethylbenzene	ND	0.00500	mg/L	1	P0F0807	06/08/20	06/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00500	mg/L	1	P0F0807	06/08/20	06/09/20	EPA 8021B	
Xylene (o)	ND	0.00500	mg/L	1	P0F0807	06/08/20	06/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		*P0F0807*	*06/08/20*	*06/09/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.0 %*	*80-120*		*P0F0807*	*06/08/20*	*06/09/20*	*EPA 8021B*	

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F0807 - General Preparation (GC)										
Blank (P0F0807-BLK1)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylene (p/m)	ND	0.00500	"							
Xylene (o)	ND	0.00500	"							
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.4*	*80-120*			
LCS (P0F0807-BS1)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.0811	0.00100	mg/L	0.100		81.1	80-120			
Toluene	0.0938	0.00500	"	0.100		93.8	80-120			
Ethylbenzene	0.106	0.00500	"	0.100		106	80-120			
Xylene (p/m)	0.210	0.00500	"	0.200		105	80-120			
Xylene (o)	0.110	0.00500	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			
LCS Dup (P0F0807-BSD1)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.0806	0.00100	mg/L	0.100		80.6	80-120	0.594	20	
Toluene	0.0937	0.00500	"	0.100		93.7	80-120	0.0427	20	
Ethylbenzene	0.108	0.00500	"	0.100		108	80-120	2.20	20	
Xylene (p/m)	0.210	0.00500	"	0.200		105	80-120	0.210	20	
Xylene (o)	0.109	0.00500	"	0.100		109	80-120	0.548	20	
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.0*	*80-120*			
Calibration Blank (P0F0807-CCB1)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.00		mg/L							
Toluene	0.720		"							
Ethylbenzene	0.860		"							
Xylene (p/m)	2.09		"							
Xylene (o)	1.05		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.0*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F0807 - General Preparation (GC)										
Calibration Blank (P0F0807-CCB2)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.00		mg/L							
Toluene	0.480		"							
Ethylbenzene	0.960		"							
Xylene (p/m)	1.90		"							
Xylene (o)	0.980		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
Calibration Check (P0F0807-CCV1)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.0816	0.00100	mg/L	0.100		81.6	80-120			
Toluene	0.0937	0.00500	"	0.100		93.7	80-120			
Ethylbenzene	0.0979	0.00500	"	0.100		97.9	80-120			
Xylene (p/m)	0.202	0.00500	"	0.200		101	80-120			
Xylene (o)	0.107	0.00500	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Check (P0F0807-CCV2)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.0828	0.00100	mg/L	0.100		82.8	80-120			
Toluene	0.0948	0.00500	"	0.100		94.8	80-120			
Ethylbenzene	0.100	0.00500	"	0.100		100	80-120			
Xylene (p/m)	0.205	0.00500	"	0.200		102	80-120			
Xylene (o)	0.111	0.00500	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			
Calibration Check (P0F0807-CCV3)				Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.0824	0.00100	mg/L	0.100		82.4	80-120			
Toluene	0.0932	0.00500	"	0.100		93.2	80-120			
Ethylbenzene	0.0985	0.00500	"	0.100		98.5	80-120			
Xylene (p/m)	0.203	0.00500	"	0.200		102	80-120			
Xylene (o)	0.111	0.00500	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F0807 - General Preparation (GC)										
Matrix Spike (P0F0807-MS1)	**Source: 0E27003-01**			Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.112	0.00100	mg/L	0.100	0.0646	47.7	80-120			QM-07
Toluene	0.100	0.00500	"	0.100	0.00227	97.8	80-120			
Ethylbenzene	0.117	0.00500	"	0.100	ND	117	80-120			
Xylene (p/m)	0.225	0.00500	"	0.200	0.0167	104	80-120			
Xylene (o)	0.119	0.00500	"	0.100	0.0229	95.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*80-120*			
Matrix Spike Dup (P0F0807-MSD1)	**Source: 0E27003-01**			Prepared: 06/08/20 Analyzed: 06/09/20						
Benzene	0.111	0.00100	mg/L	0.100	0.0646	45.9	80-120	3.74	20	QM-07
Toluene	0.0988	0.00500	"	0.100	0.00227	96.6	80-120	1.27	20	
Ethylbenzene	0.116	0.00500	"	0.100	ND	116	80-120	1.13	20	
Xylene (p/m)	0.222	0.00500	"	0.200	0.0167	103	80-120	1.30	20	
Xylene (o)	0.119	0.00500	"	0.100	0.0229	96.2	80-120	0.490	20	
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.4*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/11/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

(lab use only)
ORDER #: OE27004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	TPH: TX 1005	TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA	5/26/20	17:20		3	X		X						GW										X							X

Special Instructions:
Bill to Plains

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.0 °C
Adjusted: 6.0 °C Factor CF +1.2

Relinquished by:	Date	Time	Received by:	Date	Time
	2/27/20	8:15			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				5/27/20	8:15

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0F19014

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 06/30/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0F19014-01	Water	06/18/20 15:00	06-19-2020 10:34

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0F19014-01 (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	P0F2306	06/23/20	06/24/20	EPA 8021B	
Toluene	ND	0.00500	mg/L	1	P0F2306	06/23/20	06/24/20	EPA 8021B	
Ethylbenzene	ND	0.00500	mg/L	1	P0F2306	06/23/20	06/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00500	mg/L	1	P0F2306	06/23/20	06/24/20	EPA 8021B	
Xylene (o)	ND	0.00500	mg/L	1	P0F2306	06/23/20	06/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*80-120*	*P0F2306*	*06/23/20*	*06/24/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*		*80-120*	*P0F2306*	*06/23/20*	*06/24/20*	*EPA 8021B*	

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0F2306 - General Preparation (GC)										
Blank (P0F2306-BLK1)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00500	"							
Ethylbenzene	ND	0.00500	"							
Xylene (p/m)	ND	0.00500	"							
Xylene (o)	ND	0.00500	"							
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.8*	*80-120*			
LCS (P0F2306-BS1)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.0882	0.00100	mg/L	0.100		88.2	80-120			
Toluene	0.0940	0.00500	"	0.100		94.0	80-120			
Ethylbenzene	0.107	0.00500	"	0.100		107	80-120			
Xylene (p/m)	0.214	0.00500	"	0.200		107	80-120			
Xylene (o)	0.111	0.00500	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.1*	*80-120*			
LCS Dup (P0F2306-BSD1)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.0858	0.00100	mg/L	0.100		85.8	80-120	2.77	20	
Toluene	0.0948	0.00500	"	0.100		94.8	80-120	0.826	20	
Ethylbenzene	0.109	0.00500	"	0.100		109	80-120	2.58	20	
Xylene (p/m)	0.214	0.00500	"	0.200		107	80-120	0.206	20	
Xylene (o)	0.110	0.00500	"	0.100		110	80-120	0.767	20	
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Check (P0F2306-CCV1)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.0879	0.00100	mg/L	0.100		87.9	80-120			
Toluene	0.0945	0.00500	"	0.100		94.5	80-120			
Ethylbenzene	0.0994	0.00500	"	0.100		99.4	80-120			
Xylene (p/m)	0.205	0.00500	"	0.200		103	80-120			
Xylene (o)	0.112	0.00500	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.0*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0F2306 - General Preparation (GC)										
Calibration Check (P0F2306-CCV2)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.0873	0.00100	mg/L	0.100		87.3	80-120			
Toluene	0.0936	0.00500	"	0.100		93.6	80-120			
Ethylbenzene	0.100	0.00500	"	0.100		100	80-120			
Xylene (p/m)	0.204	0.00500	"	0.200		102	80-120			
Xylene (o)	0.106	0.00500	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*80-120*			
Calibration Check (P0F2306-CCV3)				Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.0884	0.00100	mg/L	0.100		88.4	80-120			
Toluene	0.0960	0.00500	"	0.100		96.0	80-120			
Ethylbenzene	0.101	0.00500	"	0.100		101	80-120			
Xylene (p/m)	0.207	0.00500	"	0.200		103	80-120			
Xylene (o)	0.112	0.00500	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.5*	*80-120*			
Matrix Spike (P0F2306-MS1)		**Source: 0F19008-06**		Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.103	0.00100	mg/L	0.100	0.0411	62.0	80-120			QM-07
Toluene	0.0843	0.00500	"	0.100	0.00554	78.8	80-120			QM-07
Ethylbenzene	0.108	0.00500	"	0.100	0.00877	99.0	80-120			
Xylene (p/m)	0.192	0.00500	"	0.200	0.0209	85.6	80-120			
Xylene (o)	0.111	0.00500	"	0.100	0.0111	100	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*96.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.3*	*80-120*			
Matrix Spike Dup (P0F2306-MSD1)		**Source: 0F19008-06**		Prepared: 06/23/20 Analyzed: 06/24/20						
Benzene	0.107	0.00100	mg/L	0.100	0.0411	66.2	80-120	6.43	20	QM-07
Toluene	0.0889	0.00500	"	0.100	0.00554	83.4	80-120	5.72	20	
Ethylbenzene	0.117	0.00500	"	0.100	0.00877	108	80-120	8.63	20	
Xylene (p/m)	0.209	0.00500	"	0.200	0.0209	93.9	80-120	9.31	20	
Xylene (o)	0.124	0.00500	"	0.100	0.0111	112	80-120	11.7	20	
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	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.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/30/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: OF19014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water GW=Groundwater NP=Non-Potable SL=Sludge S=Soil/Solid Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA		15:00		3	X		X						GW									X							X

TCLP:
TOTAL:

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	6-9-20				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				6-9-20	1734

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.2 °C
Adjusted: 5.2 °C Factor CF: 1.2

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0G15006

NELAP/TCEQ # T104704516-17-8

Report Date: 07/27/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0G15006-01	Water	07/14/20 14:15	07-15-2020 10:55

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0G15006-01 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.00100	mg/L	1	P0G2007	07/20/20	07/20/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0G2007	07/20/20	07/20/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0G2007	07/20/20	07/20/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0G2007	07/20/20	07/20/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0G2007	07/20/20	07/20/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		*P0G2007*	*07/20/20*	*07/20/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*80-120*		*P0G2007*	*07/20/20*	*07/20/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0G2007 - General Preparation (GC)										
Blank (P0G2007-BLK1)				Prepared & Analyzed: 07/20/20						
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	*0.103*		*"*	*0.120*		*85.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.5*	*80-120*			
LCS (P0G2007-BS1)				Prepared & Analyzed: 07/20/20						
Benzene	0.112	0.00100	mg/L	0.100		112	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)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
LCS Dup (P0G2007-BSD1)				Prepared & Analyzed: 07/20/20						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120	0.491	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.64	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120	3.20	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120	0.382	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	0.596	20	
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Calibration Blank (P0G2007-CCB1)				Prepared & Analyzed: 07/20/20						
Benzene	0.330		mg/L							
Toluene	0.550		"							
Ethylbenzene	0.810		"							
Xylene (p/m)	1.99		"							
Xylene (o)	0.900		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0G2007 - General Preparation (GC)										
Calibration Check (P0G2007-CCV1)				Prepared & Analyzed: 07/20/20						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.120*		*102*	*80-120*			
Matrix Spike (P0G2007-MS1)		**Source: 0G15006-01**		Prepared & Analyzed: 07/20/20						
Benzene	0.101	0.00100	mg/L	0.100	ND	101	80-120			
Toluene	0.0953	0.00100	"	0.100	ND	95.3	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200	ND	99.6	80-120			
Xylene (o)	0.0932	0.00100	"	0.100	ND	93.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Matrix Spike Dup (P0G2007-MSD1)		**Source: 0G15006-01**		Prepared & Analyzed: 07/20/20						
Benzene	0.120	0.00100	mg/L	0.100	ND	120	80-120	17.1	20	
Toluene	0.115	0.00100	"	0.100	ND	115	80-120	18.3	20	
Ethylbenzene	0.106	0.00100	"	0.100	ND	106	80-120	2.55	20	
Xylene (p/m)	0.240	0.00200	"	0.200	ND	120	80-120	18.5	20	
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	21.8	20	R2
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/27/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

LMU 4602

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0G15006

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TOTAL: TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA	07.14.20	1415		3	X		X						GW								X							X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	07.15.20	1055			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				7/15/20	10:55

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 5.5 °C
Adjusted: 5.5 °C Factor +1.2

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0H26013

NELAP/TCEQ # T104704516-17-8

Report Date: 08/28/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0H26013-01	Water	08/25/20 14:00	08-26-2020 10:49

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0H26013-01 (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	P0H2604	08/26/20	08/26/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0H2604	08/26/20	08/26/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0H2604	08/26/20	08/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0H2604	08/26/20	08/26/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0H2604	08/26/20	08/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.4 %*		*80-120*	*P0H2604*	*08/26/20*	*08/26/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.8 %*		*80-120*	*P0H2604*	*08/26/20*	*08/26/20*	*EPA 8021B*	

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0H2604 - General Preparation (GC)										
Blank (P0H2604-BLK1)				Prepared & Analyzed: 08/26/20						
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*		*91.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*92.1*	*80-120*			
LCS (P0H2604-BS1)				Prepared & Analyzed: 08/26/20						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
LCS Dup (P0H2604-BSD1)				Prepared & Analyzed: 08/26/20						
Benzene	0.106	0.00100	mg/L	0.100		106	80-120	2.63	20	
Toluene	0.0998	0.00100	"	0.100		99.8	80-120	5.61	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120	5.14	20	
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120	2.17	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	0.970	20	
Surrogate: 4-Bromofluorobenzene	*0.111*		*"*	*0.120*		*92.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Calibration Blank (P0H2604-CCB1)				Prepared & Analyzed: 08/26/20						
Benzene	0.390		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.890		"							
Xylene (p/m)	1.40		"							
Xylene (o)	0.610		"							
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0H2604 - General Preparation (GC)										
Calibration Check (P0H2604-CCV1)				Prepared & Analyzed: 08/26/20						
Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.6*	*80-120*			
Calibration Check (P0H2604-CCV2)				Prepared: 08/26/20 Analyzed: 08/27/20						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.3*	*80-120*			
Matrix Spike (P0H2604-MS1)		**Source: 0H26010-01**		Prepared & Analyzed: 08/26/20						
Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120			
Toluene	0.107	0.00100	"	0.100	ND	107	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200	ND	107	80-120			
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Matrix Spike Dup (P0H2604-MSD1)		**Source: 0H26010-01**		Prepared & Analyzed: 08/26/20						
Benzene	0.119	0.00100	mg/L	0.100	ND	119	80-120	1.21	20	
Toluene	0.118	0.00100	"	0.100	ND	118	80-120	10.1	20	
Ethylbenzene	0.115	0.00100	"	0.100	ND	115	80-120	10.5	20	
Xylene (p/m)	0.225	0.00200	"	0.200	ND	112	80-120	5.09	20	
Xylene (o)	0.119	0.00100	"	0.100	ND	119	80-120	10.7	20	
Surrogate: 4-Bromofluorobenzene	*0.0974*		"	*0.120*		*81.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.2*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 8/28/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0H26013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M TX 1005	TPH: 8015B TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: 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
	Post-Carbon	NA	NA	8/25/20	14:00		3	X		X						GW								X							X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	8/26/20	10:49			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				8/26/20	10:49

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.3 °C
Adjusted: 5.3 °C Factor CF+1.2

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0J01002

NELAP/TCEQ # T104704516-17-8

Report Date: 10/13/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0J01002-01	Water	09/29/20 15:30	09-30-2020 16:41

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0J01002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	**0.00189**	0.00100	mg/L	1	P0J0108	10/01/20	10/02/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0J0108	10/01/20	10/02/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0J0108	10/01/20	10/02/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0J0108	10/01/20	10/02/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0J0108	10/01/20	10/02/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*		*80-120*	*P0J0108*	*10/01/20*	*10/02/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*		*80-120*	*P0J0108*	*10/01/20*	*10/02/20*	*EPA 8021B*	

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0J0108 - General Preparation (GC)										
Blank (P0J0108-BLK1)				Prepared & Analyzed: 10/01/20						
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	*0.151*		*"*	*0.120*		*126*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.9*	*80-120*			
LCS (P0J0108-BS1)				Prepared & Analyzed: 10/01/20						
Benzene	0.0920	0.00100	mg/L	0.100		92.0	80-120			
Toluene	0.0928	0.00100	"	0.100		92.8	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.4	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.144*		*"*	*0.120*		*120*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.8*	*80-120*			
LCS Dup (P0J0108-BSD1)				Prepared & Analyzed: 10/01/20						
Benzene	0.0837	0.00100	mg/L	0.100		83.7	80-120	9.38	20	
Toluene	0.0848	0.00100	"	0.100		84.8	80-120	8.96	20	
Ethylbenzene	0.0879	0.00100	"	0.100		87.9	80-120	8.29	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.3	80-120	8.66	20	
Xylene (o)	0.100	0.00100	"	0.100		100	80-120	10.8	20	
Surrogate: 4-Bromofluorobenzene	*0.142*		*"*	*0.120*		*118*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P0J0108-CCV1)				Prepared & Analyzed: 10/01/20						
Benzene	0.0936	0.00100	mg/L	0.100		93.6	80-120			
Toluene	0.0962	0.00100	"	0.100		96.2	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.0	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.138*		*"*	*0.120*		*115*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0J0108 - General Preparation (GC)										
Calibration Check (P0J0108-CCV2)				Prepared & Analyzed: 10/01/20						
Benzene	0.0867	0.00100	mg/L	0.100		86.7	80-120			
Toluene	0.0921	0.00100	"	0.100		92.1	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.6	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.152*		"	*0.120*		*127*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Calibration Check (P0J0108-CCV3)				Prepared: 10/01/20 Analyzed: 10/02/20						
Benzene	0.0819	0.00100	mg/L	0.100		81.9	80-120			
Toluene	0.0858	0.00100	"	0.100		85.8	80-120			
Ethylbenzene	0.0944	0.00100	"	0.100		94.4	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200		85.2	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.145*		"	*0.120*		*121*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Matrix Spike (P0J0108-MS1)		**Source: 0I28004-01**		Prepared & Analyzed: 10/01/20						
Benzene	0.113	0.00100	mg/L	0.100	0.00540	108	80-120			
Toluene	0.122	0.00100	"	0.100	0.0587	62.9	80-120			QM-05
Ethylbenzene	0.149	0.00100	"	0.100	0.0914	58.0	80-120			QM-05
Xylene (p/m)	0.401	0.00200	"	0.200	0.398	1.20	80-120			QM-05
Xylene (o)	0.129	0.00100	"	0.100	0.229	NR	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.144*		"	*0.120*		*120*	*80-120*			
Matrix Spike Dup (P0J0108-MSD1)		**Source: 0I28004-01**		Prepared: 10/01/20 Analyzed: 10/02/20						
Benzene	0.111	0.00100	mg/L	0.100	0.00540	106	80-120	2.31	20	
Toluene	0.118	0.00100	"	0.100	0.0587	59.5	80-120	5.65	20	QM-05
Ethylbenzene	0.144	0.00100	"	0.100	0.0914	52.1	80-120	10.8	20	QM-05
Xylene (p/m)	0.349	0.00200	"	0.200	0.398	NR	80-120	NR	20	QM-05
Xylene (o)	0.121	0.00100	"	0.100	0.229	NR	80-120	NR	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.142*		"	*0.120*		*119*	*80-120*			

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
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.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 10/13/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0J01002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW = Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: 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	Post-Carbon	NA	NA	9/29/2	15:30		3	X		X						GW									X							X

Special Instructions:
Bill to Plains

	Date	Time		Date	Time
Relinquished by:	9/30/20	16:41	Received by:		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	9/30/20	16:41

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: 8.8 °C
Adjusted: 9.8 °C Factor

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0K04001

NELAP/TCEQ # T104704516-17-8

Report Date: 11/18/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0K04001-01	Water	11/03/20 16:00	11-04-2020 09:25

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0K04001-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P0K0604	11/06/20	11/06/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0K0604	11/06/20	11/06/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0K0604	11/06/20	11/06/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0K0604	11/06/20	11/06/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0K0604	11/06/20	11/06/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		*P0K0604*	*11/06/20*	*11/06/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P0K0604*	*11/06/20*	*11/06/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0K0604 - General Preparation (GC)										
Blank (P0K0604-BLK1)				Prepared & Analyzed: 11/06/20						
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	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
LCS (P0K0604-BS1)				Prepared & Analyzed: 11/06/20						
Benzene	0.0827	0.00100	mg/L	0.100		82.7	80-120			
Toluene	0.0852	0.00100	"	0.100		85.2	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.6	80-120			
Xylene (o)	0.0975	0.00100	"	0.100		97.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
LCS Dup (P0K0604-BSD1)				Prepared & Analyzed: 11/06/20						
Benzene	0.0908	0.00100	mg/L	0.100		90.8	80-120	9.33	20	
Toluene	0.0948	0.00100	"	0.100		94.8	80-120	10.6	20	
Ethylbenzene	0.0981	0.00100	"	0.100		98.1	80-120	10.5	20	
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120	8.98	20	
Xylene (o)	0.109	0.00100	"	0.100		109	80-120	11.5	20	
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Calibration Blank (P0K0604-CCB1)				Prepared & Analyzed: 11/06/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.136*		*"*	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0K0604 - General Preparation (GC)										
Calibration Blank (P0K0604-CCB2)				Prepared & Analyzed: 11/06/20						
Benzene	0.00		mg/L							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.138*		*"*	*0.120*		*115*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P0K0604-CCV1)				Prepared & Analyzed: 11/06/20						
Benzene	0.0951	0.00100	mg/L	0.100		95.1	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Calibration Check (P0K0604-CCV2)				Prepared & Analyzed: 11/06/20						
Benzene	0.0822	0.00100	mg/L	0.100		82.2	80-120			
Toluene	0.0815	0.00100	"	0.100		81.5	80-120			
Ethylbenzene	0.0879	0.00100	"	0.100		87.9	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		86.2	80-120			
Xylene (o)	0.0980	0.00100	"	0.100		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.141*		*"*	*0.120*		*118*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Matrix Spike (P0K0604-MS1)		**Source: 0K04001-01**		Prepared & Analyzed: 11/06/20						
Benzene	0.0868	0.00100	mg/L	0.100	ND	86.8	80-120			
Toluene	0.0875	0.00100	"	0.100	ND	87.5	80-120			
Ethylbenzene	0.100	0.00100	"	0.100	ND	100	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200	ND	94.2	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.137*		*"*	*0.120*		*114*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0K0604 - General Preparation (GC)										
Matrix Spike Dup (P0K0604-MSD1)		**Source: 0K04001-01**		Prepared & Analyzed: 11/06/20						
Benzene	0.0840	0.00100	mg/L	0.100	ND	84.0	80-120	3.30	20	
Toluene	0.0854	0.00100	"	0.100	ND	85.4	80-120	2.48	20	
Ethylbenzene	0.0873	0.00100	"	0.100	ND	87.3	80-120	13.6	20	
Xylene (p/m)	0.183	0.00200	"	0.200	ND	91.6	80-120	2.77	20	
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120	1.38	20	
Surrogate: 4-Bromofluorobenzene	*0.134*		*"*	*0.120*		*112*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 11/18/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 01C04001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se (TCLP)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-Carbon	NA	NA	11.03.20	1600		3	X		X						GW									X							X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	11.04.20	0925			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				11-4-20	0925

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.2 °C
Adjusted: 5.2 °C Factor CF: 1.2

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0K18006

NELAP/TCEQ # T104704516-17-8

Report Date: 12/02/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-Carbon	0K18006-01	Water	11/17/20 13:50	11-18-2020 12:49

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-Carbon

0K18006-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00230**	0.00100	mg/L	1	P0K2010	11/20/20	11/24/20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P0K2010	11/20/20	11/24/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P0K2010	11/20/20	11/24/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P0K2010	11/20/20	11/24/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P0K2010	11/20/20	11/24/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*80-120*		*P0K2010*	*11/20/20*	*11/24/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.6 %*	*80-120*		*P0K2010*	*11/20/20*	*11/24/20*	*EPA 8021B*	

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0K2010 - * DEFAULT PREP *** **										
Blank (P0K2010-BLK1)				Prepared: 11/20/20 Analyzed: 11/24/20						
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	*0.103*		"	*0.120*		*85.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.0*	*80-120*			
LCS (P0K2010-BS1)				Prepared: 11/20/20 Analyzed: 11/24/20						
Benzene	0.0859	0.00100	mg/L	0.100		85.9	80-120			
Toluene	0.0922	0.00100	"	0.100		92.2	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.0	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0970*		"	*0.120*		*80.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
LCS Dup (P0K2010-BSD1)				Prepared: 11/20/20 Analyzed: 11/24/20						
Benzene	0.0887	0.00100	mg/L	0.100		88.7	80-120	3.14	20	
Toluene	0.0990	0.00100	"	0.100		99.0	80-120	7.14	20	
Ethylbenzene	0.135	0.00100	"	0.100		135	80-120	14.6	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	14.2	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	15.4	20	
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*101*	*80-120*			
Calibration Check (P0K2010-CCV1)				Prepared: 11/20/20 Analyzed: 11/24/20						
Benzene	0.0943	0.00100	mg/L	0.100		94.3	80-120			
Toluene	0.0890	0.00100	"	0.100		89.0	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.5*	*80-120*			

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

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 P0K2010 - * DEFAULT PREP *** **										
Calibration Check (P0K2010-CCV2)				Prepared: 11/20/20 Analyzed: 11/24/20						
Benzene	0.0896	0.00100	mg/L	0.100		89.6	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		109	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Matrix Spike (P0K2010-MS1)		**Source: 0K18006-01**		Prepared: 11/20/20 Analyzed: 11/24/20						
Benzene	0.0864	0.00100	mg/L	0.100	0.00230	84.1	80-120			
Toluene	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Ethylbenzene	0.106	0.00100	"	0.100	ND	106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200	ND	107	80-120			
Xylene (o)	0.114	0.00100	"	0.100	ND	114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.4*	*80-120*			

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/2/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: 0K18006

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
																	TCLP:															
																	TOTAL:															
1	Post-Carbon	NA	NA	11/17/2021	13:50		3	X		X						GW									X							X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	11/18/20	1159

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 3.3 °C
Adjusted: 3.3 °C Factor cf 1.12

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0A24025

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 02/07/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-PAH	0A24025-01	Water	01/23/20 19:00	01-24-2020 12:05

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-PAH

0A24025-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Acenaphthene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Acenaphthylene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Anthracene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Chrysene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Dibenzofuran	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Fluoranthene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Fluorene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Naphthalene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Phenanthrene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13
Pyrene	ND	0.000099	mg/L	1	P0B0309	01/28/20	02/03/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 2/7/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature: e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OA24025

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 8015M TX 1005	TPH: TX 1005	Polynuclear Aromatic Hydrocarbon 8015B TX 1006	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	Post-PAH	NA	NA	1/23/2020	19:00		3	X									W				X													

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	1-24-20	1705

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: 2.0 +1.0 °C Factor

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

February 03, 2020

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

Work Order: **HS20011289**

Laboratory Results for: **0A24025**

Dear Brent,

ALS Environmental received 1 sample(s) on Jan 28, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
Work Order: HS20011289

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20011289-01	0A24025-01	Water		23-Jan-2020 19:00	28-Jan-2020 08:30	☐

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0A24025
Work Order: HS20011289

GCMS Semivolatiles by Method SW8270

Batch ID: 150074

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

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
Sample ID: 0A24025-01
Collection Date: 23-Jan-2020 19:00

ANALYTICAL REPORT
WorkOrder:HS20011289
Lab ID:HS20011289-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 28-Jan-2020		Analyst: LG
1-Methylnaphthalene	ND	n	0.0985	ug/L	1	03-Feb-2020 10:11
2-Methylnaphthalene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Acenaphthene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Acenaphthylene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Anthracene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Benz(a)anthracene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Benzo(a)pyrene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Benzo(b)fluoranthene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Benzo(g,h,i)perylene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Benzo(k)fluoranthene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Chrysene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Dibenz(a,h)anthracene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Dibenzofuran	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Fluoranthene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Fluorene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Indeno(1,2,3-cd)pyrene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Naphthalene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Phenanthrene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Pyrene	ND		0.0985	ug/L	1	03-Feb-2020 10:11
Surr: 2-Fluorobiphenyl	*77.2*		*32-130*	*%REC*	*1*	*03-Feb-2020 10:11*
Surr: 4-Terphenyl-d14	*64.6*		*40-135*	*%REC*	*1*	*03-Feb-2020 10:11*
Surr: Nitrobenzene-d5	*100*		*45-142*	*%REC*	*1*	*03-Feb-2020 10:11*

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

ALS Houston, US

Date: 03-Feb-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: HS20011289

Batch ID: 150074 **Start Date:** 28 Jan 2020 13:07 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20011289-01		33.5195 (mL)	2 (mL)	0.05967

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: HS20011289

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 150074 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20011289-01	0A24025-01	23 Jan 2020 19:00		28 Jan 2020 13:07	03 Feb 2020 10:11	1

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: HS20011289

QC BATCH REPORT

Batch ID: 150074 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-150074** Units: **ug/L** Analysis Date: **03-Feb-2020 08:53**
Client ID: Run ID: **SV-6_355515** SeqNo: **5456653** PrepDate: **28-Jan-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*2.665*	*0.100*	*3.03*	*0*	*87.9*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.984*	*0.100*	*3.03*	*0*	*98.5*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.229*	*0.100*	*3.03*	*0*	*107*	*45 - 142*				

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: HS20011289

QC BATCH REPORT

Batch ID: 150074 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-150074** Units: **ug/L** Analysis Date: **03-Feb-2020 09:12**
Client ID: Run ID: **SV-6_355515** SeqNo: **5456654** PrepDate: **28-Jan-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.93	0.100	3.03	0	63.7	40 - 140				
2-Methylnaphthalene	1.893	0.100	3.03	0	62.5	40 - 140				
Acenaphthene	1.716	0.100	3.03	0	56.6	40 - 140				
Acenaphthylene	1.866	0.100	3.03	0	61.6	40 - 140				
Anthracene	1.59	0.100	3.03	0	52.5	40 - 140				
Benz(a)anthracene	1.51	0.100	3.03	0	49.8	40 - 140				
Benzo(a)pyrene	1.57	0.100	3.03	0	51.8	40 - 140				
Benzo(b)fluoranthene	1.578	0.100	3.03	0	52.1	40 - 140				
Benzo(g,h,i)perylene	1.736	0.100	3.03	0	57.3	40 - 140				
Benzo(k)fluoranthene	1.564	0.100	3.03	0	51.6	40 - 140				
Chrysene	1.522	0.100	3.03	0	50.2	40 - 140				
Dibenz(a,h)anthracene	1.516	0.100	3.03	0	50.0	40 - 140				
Dibenzofuran	1.96	0.100	3.03	0	64.7	40 - 140				
Fluoranthene	1.515	0.100	3.03	0	50.0	40 - 140				
Fluorene	1.733	0.100	3.03	0	57.2	40 - 140				
Indeno(1,2,3-cd)pyrene	2.241	0.100	3.03	0	74.0	40 - 140				
Naphthalene	2.22	0.100	3.03	0	73.3	40 - 140				
Phenanthrene	1.627	0.100	3.03	0	53.7	40 - 140				
Pyrene	1.669	0.100	3.03	0	55.1	40 - 140				
Surr: 2-Fluorobiphenyl	*1.684*	*0.100*	*3.03*	*0*	*55.6*	*32 - 130*				
Surr: 4-Terphenyl-d14	*1.363*	*0.100*	*3.03*	*0*	*45.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.939*	*0.100*	*3.03*	*0*	*97.0*	*45 - 142*				

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: HS20011289

QC BATCH REPORT

Batch ID: 150074 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-150074** Units: **ug/L** Analysis Date: **03-Feb-2020 09:32**
Client ID: Run ID: **SV-6_355515** SeqNo: **5456655** PrepDate: **28-Jan-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	1.899	0.100	3.03	0	62.7	40 - 140	1.93	1.63	25	
2-Methylnaphthalene	1.872	0.100	3.03	0	61.8	40 - 140	1.893	1.12	25	
Acenaphthene	1.719	0.100	3.03	0	56.7	40 - 140	1.716	0.198	25	
Acenaphthylene	1.858	0.100	3.03	0	61.3	40 - 140	1.866	0.469	25	
Anthracene	1.567	0.100	3.03	0	51.7	40 - 140	1.59	1.47	25	
Benz(a)anthracene	1.473	0.100	3.03	0	48.6	40 - 140	1.51	2.5	25	
Benzo(a)pyrene	1.59	0.100	3.03	0	52.5	40 - 140	1.57	1.23	25	
Benzo(b)fluoranthene	1.454	0.100	3.03	0	48.0	40 - 140	1.578	8.19	25	
Benzo(g,h,i)perylene	1.72	0.100	3.03	0	56.8	40 - 140	1.736	0.912	25	
Benzo(k)fluoranthene	1.561	0.100	3.03	0	51.5	40 - 140	1.564	0.19	25	
Chrysene	1.654	0.100	3.03	0	54.6	40 - 140	1.522	8.32	25	
Dibenz(a,h)anthracene	1.433	0.100	3.03	0	47.3	40 - 140	1.516	5.59	25	
Dibenzofuran	1.991	0.100	3.03	0	65.7	40 - 140	1.96	1.61	25	
Fluoranthene	1.482	0.100	3.03	0	48.9	40 - 140	1.515	2.19	25	
Fluorene	1.721	0.100	3.03	0	56.8	40 - 140	1.733	0.67	25	
Indeno(1,2,3-cd)pyrene	2.204	0.100	3.03	0	72.7	40 - 140	2.241	1.67	25	
Naphthalene	2.302	0.100	3.03	0	76.0	40 - 140	2.22	3.6	25	
Phenanthrene	1.648	0.100	3.03	0	54.4	40 - 140	1.627	1.27	25	
Pyrene	1.676	0.100	3.03	0	55.3	40 - 140	1.669	0.391	25	
Surr: 2-Fluorobiphenyl	*1.709*	*0.100*	*3.03*	*0*	*56.4*	*32 - 130*	*1.684*	*1.48*	*25*	
Surr: 4-Terphenyl-d14	*1.37*	*0.100*	*3.03*	*0*	*45.2*	*40 - 135*	*1.363*	*0.501*	*25*	
Surr: Nitrobenzene-d5	*2.865*	*0.100*	*3.03*	*0*	*94.5*	*45 - 142*	*2.939*	*2.57*	*25*	

The following samples were analyzed in this batch: HS20011289-01

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
WorkOrder: **HS20011289**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 03-Feb-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231	20-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322019-2	09-May-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2019-2020	30-Apr-2020
Oklahoma	2019-067	31-Aug-2020
Texas	T104704231-19-25	30-Apr-2020

ALS Houston, US Date: 03-Feb-20

Client: Permian Basin Environmental Lab, LP
Project: 0A24025
Work Order: HS20011289

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS20011289-01	0A24025-01	Login	1/28/2020 2:55:21 PM	NDR	WET301
HS20011289-01	0A24025-01	Login	1/28/2020 2:55:21 PM	NDR	VOA224

ALS Houston, US Date: 03-Feb-20

Sample Receipt Checklist

Client Name: Permian Basin Lab
Work Order: HS20011289
Date/Time Received: **28-Jan-2020 08:30**
Received by: **NDR**

Checklist completed by: *Nilesh D. Ranchod* 28-Jan-2020
eSignature | Date

Reviewed by: _____
eSignature | Date

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:None
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.3c UC/C		IR # 25
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	01/28/2020 15:00		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes: Sample count differ COC= 1 Rec'd = 3

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

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

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3	HCl 2x 40mL VOA	H_2SO_4	NaOH /ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: RCI	8082 PCB ONLY	Hg TCLP CVAA 7470	TCLP BENZENE	METALS, RCRA 7 TCLP ICP MS	TCLP BTEX 8021B	BOD -405.1	8270C PAH LL	8260B COMPLETE LIST TCLP	8270C SVOC TCLP	TOC-415.1	Triethylene Glycol 8015m	24 HOUR RUSH	Standard TAT 4 DAY
	0A24025-01			1/23/2020	19:00		1	X									W									X					X

HS20011289
Permian Basin Environmental Lab, LP
0A24025

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	1/27/2020	16:00			
Relinquished by:	Date	Time	Received by: N/A	Date 1.28.20	Time 08:30
Relinquished by:	Date	Time	Received by:	Date	Time

Sample Container Intact
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

Blue Tcw dic 1.3
IRA 2.5

BMW JAN 2 9 2021

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0C02014

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 03/13/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post-PAH	0C02014-01	Water	02/28/20 13:45	03-02-2020 10:49

Low Leval PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post-PAH

0C02014-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Acenaphthene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Acenaphthylene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Anthracene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Chrysene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Dibenzofuran	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Fluoranthene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Fluorene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Naphthalene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Phenanthrene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13
Pyrene	ND	0.000097	mg/L	1	P0C1003	03/04/20	03/06/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/13/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only) ORDER #: 9C02014-01

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
-01	PAH	NA	NA	2/28/2020	13:45		3	X								W			X												

Special Instructions: Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	3/2/20	10:49			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				3/2/20	1049

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.8 °C
Adjusted: 5.8 °C Factor

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

March 06, 2020

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

Work Order: **HS20030056**

Laboratory Results for: **0C02014-01**

Dear Brent,

ALS Environmental received 1 sample(s) on Mar 03, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
Work Order: HS20030056

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20030056-01	0C02014-01	Water		28-Feb-2020 14:00	03-Mar-2020 08:58	☐

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
Work Order: HS20030056

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 151305

Sample ID: LCSD-151305

- The RPD between the LCS and LCSD was outside of the control limit.

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
Sample ID: 0C02014-01
Collection Date: 28-Feb-2020 14:00

ANALYTICAL REPORT
WorkOrder:HS20030056
Lab ID:HS20030056-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 04-Mar-2020		Analyst: LG
1-Methylnaphthalene	ND	n	0.0965	ug/L	1	06-Mar-2020 11:59
2-Methylnaphthalene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Acenaphthene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Acenaphthylene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Anthracene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Benz(a)anthracene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Benzo(a)pyrene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Benzo(b)fluoranthene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Benzo(g,h,i)perylene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Benzo(k)fluoranthene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Chrysene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Dibenz(a,h)anthracene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Dibenzofuran	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Fluoranthene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Fluorene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Indeno(1,2,3-cd)pyrene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Naphthalene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Phenanthrene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Pyrene	ND		0.0965	ug/L	1	06-Mar-2020 11:59
Surr: 2-Fluorobiphenyl	*66.6*		*32-130*	*%REC*	*1*	*06-Mar-2020 11:59*
Surr: 4-Terphenyl-d14	*54.0*		*40-135*	*%REC*	*1*	*06-Mar-2020 11:59*
Surr: Nitrobenzene-d5	*103*		*45-142*	*%REC*	*1*	*06-Mar-2020 11:59*

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

ALS Houston, US

Date: 06-Mar-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: HS20030056

Batch ID: 151305 **Start Date:** 04 Mar 2020 11:59 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20030056-01		34.2 (mL)	2 (mL)	0.05848

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: HS20030056

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 151305 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20030056-01	0C02014-01	28 Feb 2020 14:00		04 Mar 2020 11:59	06 Mar 2020 11:59	1

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: HS20030056

QC BATCH REPORT

Batch ID: 151305 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-151305** Units: **ug/L** Analysis Date: **06-Mar-2020 08:19**
Client ID: Run ID: **SV-6_357699** SeqNo: **5502600** PrepDate: **04-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*2.404*	*0.100*	*3.03*	*0*	*79.3*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.443*	*0.100*	*3.03*	*0*	*80.6*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.332*	*0.100*	*3.03*	*0*	*110*	*45 - 142*				

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: HS20030056

QC BATCH REPORT

Batch ID: 151305 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-151305** Units: **ug/L** Analysis Date: **06-Mar-2020 08:38**
Client ID: Run ID: **SV-6_357699** SeqNo: **5502601** PrepDate: **04-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.522	0.100	3.03	0	83.2	40 - 140				
2-Methylnaphthalene	2.52	0.100	3.03	0	83.2	40 - 140				
Acenaphthene	2.653	0.100	3.03	0	87.6	40 - 140				
Acenaphthylene	2.892	0.100	3.03	0	95.5	40 - 140				
Anthracene	2.672	0.100	3.03	0	88.2	40 - 140				
Benz(a)anthracene	2.888	0.100	3.03	0	95.3	40 - 140				
Benzo(a)pyrene	2.408	0.100	3.03	0	79.5	40 - 140				
Benzo(b)fluoranthene	3.421	0.100	3.03	0	113	40 - 140				
Benzo(g,h,i)perylene	2.303	0.100	3.03	0	76.0	40 - 140				
Benzo(k)fluoranthene	1.911	0.100	3.03	0	63.1	40 - 140				
Chrysene	2.735	0.100	3.03	0	90.3	40 - 140				
Dibenz(a,h)anthracene	2.401	0.100	3.03	0	79.2	40 - 140				
Dibenzofuran	2.898	0.100	3.03	0	95.6	40 - 140				
Fluoranthene	2.432	0.100	3.03	0	80.3	40 - 140				
Fluorene	2.771	0.100	3.03	0	91.5	40 - 140				
Indeno(1,2,3-cd)pyrene	2.58	0.100	3.03	0	85.2	40 - 140				
Naphthalene	2.684	0.100	3.03	0	88.6	40 - 140				
Phenanthrene	2.658	0.100	3.03	0	87.7	40 - 140				
Pyrene	2.875	0.100	3.03	0	94.9	40 - 140				
Surr: 2-Fluorobiphenyl	*2.281*	*0.100*	*3.03*	*0*	*75.3*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.544*	*0.100*	*3.03*	*0*	*84.0*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.136*	*0.100*	*3.03*	*0*	*103*	*45 - 142*				

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: HS20030056

QC BATCH REPORT

Batch ID: 151305 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-151305** Units: **ug/L** Analysis Date: **06-Mar-2020 08:57**
Client ID: Run ID: **SV-6_357699** SeqNo: **5502602** PrepDate: **04-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	2.606	0.100	3.03	0	86.0	40 - 140	2.522	3.27	25	
2-Methylnaphthalene	2.577	0.100	3.03	0	85.1	40 - 140	2.52	2.26	25	
Acenaphthene	2.719	0.100	3.03	0	89.7	40 - 140	2.653	2.44	25	
Acenaphthylene	2.953	0.100	3.03	0	97.5	40 - 140	2.892	2.07	25	
Anthracene	2.515	0.100	3.03	0	83.0	40 - 140	2.672	6.08	25	
Benz(a)anthracene	2.579	0.100	3.03	0	85.1	40 - 140	2.888	11.3	25	
Benzo(a)pyrene	2.438	0.100	3.03	0	80.5	40 - 140	2.408	1.25	25	
Benzo(b)fluoranthene	2.896	0.100	3.03	0	95.6	40 - 140	3.421	16.6	25	
Benzo(g,h,i)perylene	2.256	0.100	3.03	0	74.5	40 - 140	2.303	2.04	25	
Benzo(k)fluoranthene	2.468	0.100	3.03	0	81.4	40 - 140	1.911	25.4	25	R
Chrysene	2.9	0.100	3.03	0	95.7	40 - 140	2.735	5.86	25	
Dibenz(a,h)anthracene	2.427	0.100	3.03	0	80.1	40 - 140	2.401	1.07	25	
Dibenzofuran	3.033	0.100	3.03	0	100	40 - 140	2.898	4.55	25	
Fluoranthene	2.267	0.100	3.03	0	74.8	40 - 140	2.432	7.02	25	
Fluorene	2.828	0.100	3.03	0	93.3	40 - 140	2.771	2.02	25	
Indeno(1,2,3-cd)pyrene	2.434	0.100	3.03	0	80.3	40 - 140	2.58	5.82	25	
Naphthalene	2.769	0.100	3.03	0	91.4	40 - 140	2.684	3.1	25	
Phenanthrene	2.537	0.100	3.03	0	83.7	40 - 140	2.658	4.66	25	
Pyrene	2.828	0.100	3.03	0	93.3	40 - 140	2.875	1.66	25	
Surr: 2-Fluorobiphenyl	*2.25*	*0.100*	*3.03*	*0*	*74.3*	*32 - 130*	*2.281*	*1.36*	*25*	
Surr: 4-Terphenyl-d14	*2.466*	*0.100*	*3.03*	*0*	*81.4*	*40 - 135*	*2.544*	*3.1*	*25*	
Surr: Nitrobenzene-d5	*3.374*	*0.100*	*3.03*	*0*	*111*	*45 - 142*	*3.136*	*7.33*	*25*	

The following samples were analyzed in this batch: HS20030056-01

ALS Houston, US Date: 06-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C02014-01
WorkOrder: **HS20030056**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 06-Mar-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322019-2	09-May-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2019-2020	30-Apr-2020
Oklahoma	2019-067	31-Aug-2020
Texas	T104704231-19-25	30-Apr-2020

ALS Houston, US Date: 06-Mar-20

Sample Receipt Checklist

Client Name: Permian Basin Lab
Work Order: HS20030056
Date/Time Received: **03-Mar-2020 08:58**
Received by: **PMG**

Checklist completed by: *Nelson D. Dusara* eSignature 3-Mar-2020 Date
Reviewed by: *Andy C. Neir* eSignature 3-Mar-2020 Date

Matrices: **Water**
Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:n/a
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.6 c UC/c	IR 25	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	Mar/03/2020 09:30		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Sample time Differ Coc=14:00 label=13:45

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Brent Barron
Company Name: Permian Basin Environmental Lab, LP
Company Address: 1400 Rankin Hwy
City/State/Zip: Midland, Texas 79701
Telephone No: 432-686-7235 Fax No:
Sampler Signature: e-mail: brentbarron@gmail.com

Project Name: Subcontract
Project #: 0B21001
Project Loc: Midland, Texas
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	LL PAHs	5 Day Tat
	0C02014-01			02/28/20	1400		3	x								W	x	x

HS2003056
Permian Basin Environmental Lab, LP
0C02014-01

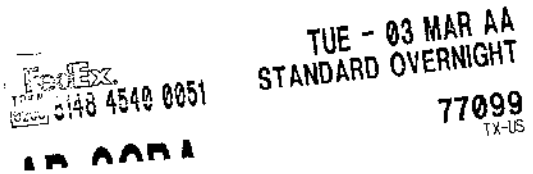
Special Instructions:

	Date	Time		Date	Time
Relinquished by: Brent Barron	3/022/2020	1600			
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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0C26005

NELAP/TCEQ # T104704516-18-9

Report Date: 04/01/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0C26005-01	Water	03/25/20 12:30	03-26-2020 09:30

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PAH

0C26005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Acenaphthene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Acenaphthylene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Anthracene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Chrysene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Dibenzofuran	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Fluoranthene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Fluorene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Naphthalene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Phenanthrene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13
Pyrene	ND	0.000098	mg/L	1	P0C3105	03/29/20	03/29/20	8270C	SUB-13

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/1/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)

ORDER #: OC26005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1	8015M	TPH: 8015B	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	03.25.20	1230		3	X								GW				X														X

Special Instructions:
Bill to Plains

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.3 °C
Adjusted: °C Factor 1.2

Relinquished by:	Date	Time	Received by:	Date	Time
	03-26-20	0930			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	3-26-20	9:30

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

March 31, 2020

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

Work Order: **HS20031199**

Laboratory Results for: **0C26005**

Dear Brent,

ALS Environmental received 1 sample(s) on Mar 27, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
Work Order: HS20031199

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20031199-01	0C26005-1	GW		25-Mar-2020 12:30	27-Mar-2020 08:16	☐

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
Work Order: HS20031199

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 152235

Sample ID: LCSD152235

• LCS/LCSD RPD was above the RPD limit for surrogates. The individual recoveries met acceptance criteria.

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
Sample ID: 0C26005-1
Collection Date: 25-Mar-2020 12:30

ANALYTICAL REPORT
WorkOrder:HS20031199
Lab ID:HS20031199-01
Matrix:GW

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 29-Mar-2020		Analyst: LG
1-Methylnaphthalene	ND	n	0.0982	ug/L	1	29-Mar-2020 15:52
2-Methylnaphthalene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Acenaphthene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Acenaphthylene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Anthracene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Benz(a)anthracene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Benzo(a)pyrene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Benzo(b)fluoranthene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Benzo(g,h,i)perylene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Benzo(k)fluoranthene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Chrysene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Dibenz(a,h)anthracene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Dibenzofuran	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Fluoranthene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Fluorene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Indeno(1,2,3-cd)pyrene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Naphthalene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Phenanthrene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Pyrene	ND		0.0982	ug/L	1	29-Mar-2020 15:52
Surr: 2-Fluorobiphenyl	*99.7*		*32-130*	*%REC*	*1*	*29-Mar-2020 15:52*
Surr: 4-Terphenyl-d14	*82.2*		*40-135*	*%REC*	*1*	*29-Mar-2020 15:52*
Surr: Nitrobenzene-d5	*102*		*45-142*	*%REC*	*1*	*29-Mar-2020 15:52*

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

ALS Houston, US

Date: 31-Mar-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: HS20031199

Batch ID: 152235 **Start Date:** 29 Mar 2020 10:17 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20031199-01		33.6 (mL)	2 (mL)	0.05952

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: HS20031199

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 152235 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** GW	
HS20031199-01	0C26005-1	25 Mar 2020 12:30		29 Mar 2020 10:17	29 Mar 2020 15:52	1

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: HS20031199

QC BATCH REPORT

Batch ID: 152235 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-152235** Units: **ug/L** Analysis Date: **29-Mar-2020 13:14**
Client ID: Run ID: **SV-6_359175** SeqNo: **5537300** PrepDate: **29-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Dibenzofuran	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	*3.487*	*0.100*	*3.03*	*0*	*115*	*32 - 130*			
Surr: 4-Terphenyl-d14	*3.056*	*0.100*	*3.03*	*0*	*101*	*40 - 135*			
Surr: Nitrobenzene-d5	*3.344*	*0.100*	*3.03*	*0*	*110*	*45 - 142*			

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: HS20031199

QC BATCH REPORT

Batch ID: 152235 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-152235** Units: **ug/L** Analysis Date: **29-Mar-2020 13:33**
Client ID: Run ID: **SV-6_359175** SeqNo: **5537301** PrepDate: **29-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.238	0.100	3.03	0	73.8	40 - 140				
2-Methylnaphthalene	2.252	0.100	3.03	0	74.3	40 - 140				
Acenaphthene	3.279	0.100	3.03	0	108	40 - 140				
Acenaphthylene	3.52	0.100	3.03	0	116	40 - 140				
Anthracene	3.343	0.100	3.03	0	110	40 - 140				
Benz(a)anthracene	3.684	0.100	3.03	0	122	40 - 140				
Benzo(a)pyrene	3.749	0.100	3.03	0	124	40 - 140				
Benzo(b)fluoranthene	3.474	0.100	3.03	0	115	40 - 140				
Benzo(g,h,i)perylene	3.856	0.100	3.03	0	127	40 - 140				
Benzo(k)fluoranthene	3.821	0.100	3.03	0	126	40 - 140				
Chrysene	4.029	0.100	3.03	0	133	40 - 140				
Dibenz(a,h)anthracene	3.689	0.100	3.03	0	122	40 - 140				
Dibenzofuran	3.244	0.100	3.03	0	107	40 - 140				
Fluoranthene	3.548	0.100	3.03	0	117	40 - 140				
Fluorene	3.293	0.100	3.03	0	109	40 - 140				
Indeno(1,2,3-cd)pyrene	3.572	0.100	3.03	0	118	40 - 140				
Naphthalene	3.054	0.100	3.03	0	101	40 - 140				
Phenanthrene	3.241	0.100	3.03	0	107	40 - 140				
Pyrene	4.11	0.100	3.03	0	136	40 - 140				
Surr: 2-Fluorobiphenyl	*3.208*	*0.100*	*3.03*	*0*	*106*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.229*	*0.100*	*3.03*	*0*	*107*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.021*	*0.100*	*3.03*	*0*	*66.7*	*45 - 142*				

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: HS20031199

QC BATCH REPORT

Batch ID: 152235 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-152235** Units: **ug/L** Analysis Date: **29-Mar-2020 13:53**
Client ID: Run ID: **SV-6_359175** SeqNo: **5537302** PrepDate: **29-Mar-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	2.239	0.100	3.03	0	73.9	40 - 140	2.238	0.046	25	
2-Methylnaphthalene	2.249	0.100	3.03	0	74.2	40 - 140	2.252	0.11	25	
Acenaphthene	3.094	0.100	3.03	0	102	40 - 140	3.279	5.79	25	
Acenaphthylene	3.525	0.100	3.03	0	116	40 - 140	3.52	0.16	25	
Anthracene	3.511	0.100	3.03	0	116	40 - 140	3.343	4.9	25	
Benz(a)anthracene	3.671	0.100	3.03	0	121	40 - 140	3.684	0.336	25	
Benzo(a)pyrene	3.738	0.100	3.03	0	123	40 - 140	3.749	0.283	25	
Benzo(b)fluoranthene	3.643	0.100	3.03	0	120	40 - 140	3.474	4.75	25	
Benzo(g,h,i)perylene	3.54	0.100	3.03	0	117	40 - 140	3.856	8.53	25	
Benzo(k)fluoranthene	3.822	0.100	3.03	0	126	40 - 140	3.821	0.0174	25	
Chrysene	3.65	0.100	3.03	0	120	40 - 140	4.029	9.86	25	
Dibenz(a,h)anthracene	3.631	0.100	3.03	0	120	40 - 140	3.689	1.58	25	
Dibenzofuran	3.618	0.100	3.03	0	119	40 - 140	3.244	10.9	25	
Fluoranthene	3.457	0.100	3.03	0	114	40 - 140	3.548	2.59	25	
Fluorene	3.576	0.100	3.03	0	118	40 - 140	3.293	8.23	25	
Indeno(1,2,3-cd)pyrene	3.067	0.100	3.03	0	101	40 - 140	3.572	15.2	25	
Naphthalene	2.979	0.100	3.03	0	98.3	40 - 140	3.054	2.48	25	
Phenanthrene	3.311	0.100	3.03	0	109	40 - 140	3.241	2.14	25	
Pyrene	3.766	0.100	3.03	0	124	40 - 140	4.11	8.72	25	
Surr: 2-Fluorobiphenyl	*5.786*	*0.100*	*6.06*	*0*	*95.5*	*32 - 130*	*3.208*	*57.3*	*25*	R
Surr: 4-Terphenyl-d14	*6.101*	*0.100*	*6.06*	*0*	*101*	*40 - 135*	*3.229*	*61.6*	*25*	R
Surr: Nitrobenzene-d5	*4.879*	*0.100*	*6.06*	*0*	*80.5*	*45 - 142*	*2.021*	*82.8*	*25*	R

The following samples were analyzed in this batch: HS20031199-01

ALS Houston, US Date: 31-Mar-20

Client: Permian Basin Environmental Lab, LP
Project: 0C26005
WorkOrder: **HS20031199**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 31-Mar-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322019-2	09-May-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2019-2020	30-Apr-2020
Oklahoma	2019-067	31-Aug-2020
Texas	T104704231-19-25	30-Apr-2020

ALS Houston, US Date: 31-Mar-20

Sample Receipt Checklist

Client Name: Permian Basin Lab Date/Time Received: **27-Mar-2020 08:16**

Work Order: HS20031199 Received by: **AC**

Checklist completed by: *Asad Chaudhry* eSignature 27-Mar-2020 Date

Reviewed by: *Andy C. Neir* eSignature 27-Mar-2020 Date

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:N/A
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.0C U/C	IR 25	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	03/27/2020 10:50		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP

Phone: 432-686-7235

PBELAB_SUB_COC_V2

HS20031199

Permian Basin Environmental Lab, LP

0C26005

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A

Fax No:

e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO₃	HCl 2x 40mL VOA	H_2SO_4	NaOH/ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	Matrix: DW-Drinking Water SL-Sludge GW-Groundwater S-Soil/Solid NP-Non-Potable Specify Other	Analyze For: PAH	8082 PCB ONLY	Hg TCLP CVAA 7470	TCLP BENZENE	METALS, RCRA 7 TCLP ICP MS	TCLP BTEX 8021B	BOD -405.1	8270C PAH LL	8260B COMPLETE LIST TCLP	8270C SVOC TCLP	TOX 9020B	Triethylene Glycol 8015m		24 HOUR RUSH	Standard TAT 4 DAY
	0C26005-1			3/25/2020	12:30		3	X								GW	X														X

Special Instructions:

Relinquished by:	Date	Time		Date	Time
Brent Barron	3/26/2020	16:00			
Relinquished by:	Date	Time	Received by: AC	Date 3/27/2020	Time 08:16
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

C/C 1.0c IR#25 CF0.0 RED

Red MAR 2 7 2021

FedEx.
TRK# 0200 8155 5665 2233

FRI - 27 MAR AA
STANDARD OVERNIGHT

AB SGRA Red

77099
TX-US
IAH

FID 464196 26MAR20 HAFA 65802/64F0/85A2

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0E27001

NELAP/TCEQ # T104704516-17-8

Report Date: 06/09/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0E27001-01	Water	05/26/20 17:25	05-27-2020 08:22

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

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PAH

0E27001-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Acenaphthene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Acenaphthylene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Anthracene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Chrysene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Dibenzofuran	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Fluoranthene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Fluorene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Naphthalene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Phenanthrene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13
Pyrene	ND	0.000099	mg/L	1	P0F0902	06/02/20	06/02/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/9/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OE27001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M TX 1005 TX 1006	TOTAL: Polynuclear Aromatic Hydrocarbon 8015B	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	5/26/20	17:25		3	X								GW		X												X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	5/27/20	8:15			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL	Date	Time
			Tyra Bledsoe	5/27/20	8:22

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.0 °C CF -0.1
Adjusted: 6.0 °C Factor 1.2

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

June 04, 2020

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

Work Order: **HS20051092**

Laboratory Results for: **0E2700**

Dear Brent,

ALS Environmental received 1 sample(s) on May 28, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
Work Order: HS20051092

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20051092-01	0E2700-01	Water		26-May-2020 17:25	28-May-2020 10:00	☐

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
Work Order: HS20051092

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 154042

Sample ID: LCSD-154042

- The RPD between the LCS and LCSD was outside of the control limit.

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
Sample ID: 0E2700-01
Collection Date: 26-May-2020 17:25

ANALYTICAL REPORT
WorkOrder:HS20051092
Lab ID:HS20051092-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 02-Jun-2020		Analyst: GEY
1-Methylnaphthalene	ND	n	0.0987	ug/L	1	02-Jun-2020 18:23
2-Methylnaphthalene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Acenaphthene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Acenaphthylene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Anthracene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Benz(a)anthracene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Benzo(a)pyrene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Benzo(b)fluoranthene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Benzo(g,h,i)perylene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Benzo(k)fluoranthene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Chrysene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Dibenz(a,h)anthracene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Dibenzofuran	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Fluoranthene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Fluorene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Indeno(1,2,3-cd)pyrene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Naphthalene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Phenanthrene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Pyrene	ND		0.0987	ug/L	1	02-Jun-2020 18:23
Surr: 2-Fluorobiphenyl	*99.2*		*32-130*	*%REC*	*1*	*02-Jun-2020 18:23*
Surr: 4-Terphenyl-d14	*86.8*		*40-135*	*%REC*	*1*	*02-Jun-2020 18:23*
Surr: Nitrobenzene-d5	*98.9*		*45-142*	*%REC*	*1*	*02-Jun-2020 18:23*

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

ALS Houston, US

Date: 04-Jun-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: HS20051092

Batch ID: 154042 **Start Date:** 02 Jun 2020 09:30 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20051092-01		33.45 (mL)	2 (mL)	0.05979

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: HS20051092

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 154042 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20051092-01	0E2700-01	26 May 2020 17:25		02 Jun 2020 09:30	02 Jun 2020 18:23	1

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: HS20051092

QC BATCH REPORT

Batch ID: 154042 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-154042** Units: **ug/L** Analysis Date: **02-Jun-2020 17:25**
Client ID: Run ID: **SV-6_362567** SeqNo: **5606619** PrepDate: **02-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*2.833*	*0.100*	*3.03*	*0*	*93.5*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.674*	*0.100*	*3.03*	*0*	*88.2*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.021*	*0.100*	*3.03*	*0*	*99.7*	*45 - 142*				

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: HS20051092

QC BATCH REPORT

Batch ID: 154042 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-154042** Units: **ug/L** Analysis Date: **02-Jun-2020 17:44**
Client ID: Run ID: **SV-6_362567** SeqNo: **5606620** PrepDate: **02-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.123	0.100	3.03	0	103	40 - 140				
2-Methylnaphthalene	3.24	0.100	3.03	0	107	40 - 140				
Acenaphthene	3.509	0.100	3.03	0	116	40 - 140				
Acenaphthylene	3.498	0.100	3.03	0	115	40 - 140				
Anthracene	2.922	0.100	3.03	0	96.4	40 - 140				
Benz(a)anthracene	2.635	0.100	3.03	0	87.0	40 - 140				
Benzo(a)pyrene	2.772	0.100	3.03	0	91.5	40 - 140				
Benzo(b)fluoranthene	2.723	0.100	3.03	0	89.9	40 - 140				
Benzo(g,h,i)perylene	2.837	0.100	3.03	0	93.6	40 - 140				
Benzo(k)fluoranthene	3.055	0.100	3.03	0	101	40 - 140				
Chrysene	2.685	0.100	3.03	0	88.6	40 - 140				
Dibenz(a,h)anthracene	2.807	0.100	3.03	0	92.6	40 - 140				
Dibenzofuran	2.553	0.100	3.03	0	84.3	40 - 140				
Fluoranthene	2.604	0.100	3.03	0	85.9	40 - 140				
Fluorene	3.459	0.100	3.03	0	114	40 - 140				
Indeno(1,2,3-cd)pyrene	2.713	0.100	3.03	0	89.5	40 - 140				
Naphthalene	3.557	0.100	3.03	0	117	40 - 140				
Phenanthrene	2.998	0.100	3.03	0	99.0	40 - 140				
Pyrene	3.06	0.100	3.03	0	101	40 - 140				
Surr: 2-Fluorobiphenyl	*2.887*	*0.100*	*3.03*	*0*	*95.3*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.679*	*0.100*	*3.03*	*0*	*88.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.277*	*0.100*	*3.03*	*0*	*108*	*45 - 142*				

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: HS20051092

QC BATCH REPORT

Batch ID: 154042 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-154042** Units: **ug/L** Analysis Date: **02-Jun-2020 18:03**
Client ID: Run ID: **SV-6_362567** SeqNo: **5606621** PrepDate: **02-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	3.174	0.100	3.03	0	105	40 - 140	3.123	1.61	25	
2-Methylnaphthalene	3.156	0.100	3.03	0	104	40 - 140	3.24	2.62	25	
Acenaphthene	3.389	0.100	3.03	0	112	40 - 140	3.509	3.47	25	
Acenaphthylene	3.627	0.100	3.03	0	120	40 - 140	3.498	3.61	25	
Anthracene	2.965	0.100	3.03	0	97.9	40 - 140	2.922	1.47	25	
Benz(a)anthracene	2.571	0.100	3.03	0	84.8	40 - 140	2.635	2.46	25	
Benzo(a)pyrene	2.838	0.100	3.03	0	93.7	40 - 140	2.772	2.38	25	
Benzo(b)fluoranthene	2.935	0.100	3.03	0	96.9	40 - 140	2.723	7.49	25	
Benzo(g,h,i)perylene	2.824	0.100	3.03	0	93.2	40 - 140	2.837	0.458	25	
Benzo(k)fluoranthene	3.008	0.100	3.03	0	99.3	40 - 140	3.055	1.57	25	
Chrysene	2.597	0.100	3.03	0	85.7	40 - 140	2.685	3.33	25	
Dibenz(a,h)anthracene	2.978	0.100	3.03	0	98.3	40 - 140	2.807	5.93	25	
Dibenzofuran	1.909	0.100	3.03	0	63.0	40 - 140	2.553	28.9	25	R
Fluoranthene	2.658	0.100	3.03	0	87.7	40 - 140	2.604	2.06	25	
Fluorene	3.273	0.100	3.03	0	108	40 - 140	3.459	5.53	25	
Indeno(1,2,3-cd)pyrene	2.853	0.100	3.03	0	94.2	40 - 140	2.713	5.03	25	
Naphthalene	3.385	0.100	3.03	0	112	40 - 140	3.557	4.97	25	
Phenanthrene	2.96	0.100	3.03	0	97.7	40 - 140	2.998	1.29	25	
Pyrene	2.902	0.100	3.03	0	95.8	40 - 140	3.06	5.29	25	
Surr: 2-Fluorobiphenyl	*2.882*	*0.100*	*3.03*	*0*	*95.1*	*32 - 130*	*2.887*	*0.183*	*25*	
Surr: 4-Terphenyl-d14	*2.527*	*0.100*	*3.03*	*0*	*83.4*	*40 - 135*	*2.679*	*5.85*	*25*	
Surr: Nitrobenzene-d5	*3.189*	*0.100*	*3.03*	*0*	*105*	*45 - 142*	*3.277*	*2.71*	*25*	

The following samples were analyzed in this batch: HS20051092-01

ALS Houston, US Date: 04-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0E2700
WorkOrder: **HS20051092**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 04-Jun-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 04-Jun-20

Sample Receipt Checklist

Work Order ID: HS20051092 **Date/Time Received:** 28-May-2020 10:00

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By:	/S/ Jared R. Makan	28-May-2020 16:26	**Reviewed by:**	/S/ Andy C. Neir	29-May-2020 11:16
	eSignature	Date/Time		eSignature	Date/Time

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

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

Temperature(s)/Thermometer(s):	1.3°C/1.3°C UC/C	IR11
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	05/28/2020 16:30	

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

Login Notes:

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

Project Manager: Brent Barron
Company Name: Permian Basin Environmental Lab, LP
Company Address: 1400 Rankin Hwy
City/State/Zip: Midland, Texas 79701
Telephone No: 432-686-7235 Fax No:
Sampler Signature: e-mail: brentbarron@gmail.com

Project Name: Subcontract
Project #: 0e27001
Project Loc: Midland, Texas
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3 Preserv	HCl	H2SO4	NaOH	Na2S2O3	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: PAH LL	4 Day Tat
	0E2700-01			05/26/20	1725		3	X								W	X	X

HS20051092
Permian Basin Environmental Lab, LP
0E2700

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	5/27/2020	1600	J. Macias	5/28/20	10:00
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: 1-3 °C
Adjusted: 0 °C Factor

Cooler - Red 1R11

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0F19013

NELAP/TCEQ # T104704516-17-8

Report Date: 07/09/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0F19013-01	Water	06/18/20 15:05	06-19-2020 10:34

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

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

PAH

0F19013-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P0G0803	06/24/20	06/29/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/9/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OF19013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: / TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	6/18/20	15:05		3	X								GW			X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	6-19-20				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				6-19-20	1084

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.3 °C
Adjusted: 3.2 °C Factor: CF: 1.2

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

June 30, 2020

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

Work Order: **HS20061096**

Laboratory Results for: **0F19013**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Jun 23, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
Work Order: HS20061096

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20061096-01	0F19013	Water		18-Jun-2020 15:05	23-Jun-2020 09:30	☐

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
Work Order: HS20061096

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 154785

Sample ID: LCSD-154785

- The RPD between the LCS and LCSD was outside of the control limit.

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
Sample ID: 0F19013
Collection Date: 18-Jun-2020 15:05

ANALYTICAL REPORT
WorkOrder:HS20061096
Lab ID:HS20061096-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 24-Jun-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.101	ug/L	1	29-Jun-2020 22:16
2-Methylnaphthalene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Acenaphthene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Acenaphthylene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Anthracene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Benz(a)anthracene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Benzo(a)pyrene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Benzo(b)fluoranthene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Benzo(k)fluoranthene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Chrysene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Dibenzofuran	ND		0.101	ug/L	1	29-Jun-2020 22:16
Fluoranthene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Fluorene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Naphthalene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Phenanthrene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Pyrene	ND		0.101	ug/L	1	29-Jun-2020 22:16
Surr: 2-Fluorobiphenyl	*90.2*		*32-130*	*%REC*	*1*	*29-Jun-2020 22:16*
Surr: 4-Terphenyl-d14	*88.1*		*40-135*	*%REC*	*1*	*29-Jun-2020 22:16*
Surr: Nitrobenzene-d5	*120*		*45-142*	*%REC*	*1*	*29-Jun-2020 22:16*

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

ALS Houston, US

Date: 30-Jun-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: HS20061096

Batch ID: 154785 **Start Date:** 24 Jun 2020 09:20 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20061096-01	1	32.83 (mL)	2 (mL)	0.06092

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: HS20061096

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 154785 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20061096-01	0F19013	18 Jun 2020 15:05		24 Jun 2020 09:20	29 Jun 2020 22:16	1

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: HS20061096

QC BATCH REPORT

Batch ID: 154785 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-154785** Units: **ug/L** Analysis Date: **24-Jun-2020 14:24**
Client ID: Run ID: **SV-6_363918** SeqNo: **5636258** PrepDate: **24-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*3.704*	*0.100*	*3.03*	*0*	*122*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.251*	*0.100*	*3.03*	*0*	*107*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.666*	*0.100*	*3.03*	*0*	*121*	*45 - 142*				

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: HS20061096

QC BATCH REPORT

Batch ID: 154785 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-154785** Units: **ug/L** Analysis Date: **24-Jun-2020 14:43**
Client ID: Run ID: **SV-6_363918** SeqNo: **5636259** PrepDate: **24-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.409	0.100	3.03	0	113	40 - 140				
2-Methylnaphthalene	3.351	0.100	3.03	0	111	40 - 140				
Acenaphthene	4.018	0.100	3.03	0	133	40 - 140				
Acenaphthylene	4.227	0.100	3.03	0	140	40 - 140				
Anthracene	3.894	0.100	3.03	0	129	40 - 140				
Benz(a)anthracene	2.907	0.100	3.03	0	95.9	40 - 140				
Benzo(a)pyrene	2.536	0.100	3.03	0	83.7	40 - 140				
Benzo(b)fluoranthene	2.657	0.100	3.03	0	87.7	40 - 140				
Benzo(g,h,i)perylene	2.739	0.100	3.03	0	90.4	40 - 140				
Benzo(k)fluoranthene	3.208	0.100	3.03	0	106	40 - 140				
Chrysene	3.528	0.100	3.03	0	116	40 - 140				
Dibenz(a,h)anthracene	3.298	0.100	3.03	0	109	40 - 140				
Dibenzofuran	3.757	0.100	3.03	0	124	40 - 140				
Fluoranthene	3.621	0.100	3.03	0	119	40 - 140				
Fluorene	3.835	0.100	3.03	0	127	40 - 140				
Indeno(1,2,3-cd)pyrene	3.478	0.100	3.03	0	115	40 - 140				
Naphthalene	3.723	0.100	3.03	0	123	40 - 140				
Phenanthrene	4.191	0.100	3.03	0	138	40 - 140				
Pyrene	3.509	0.100	3.03	0	116	40 - 140				
Surr: 2-Fluorobiphenyl	*3.232*	*0.100*	*3.03*	*0*	*107*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.118*	*0.100*	*3.03*	*0*	*103*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.384*	*0.100*	*3.03*	*0*	*112*	*45 - 142*				

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: HS20061096

QC BATCH REPORT

Batch ID: 154785 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-154785** Units: **ug/L** Analysis Date: **24-Jun-2020 15:02**
Client ID: Run ID: **SV-6_363918** SeqNo: **5636260** PrepDate: **24-Jun-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.282	0.100	3.03	0	108	40 - 140	3.409	3.78	25	
2-Methylnaphthalene	3.236	0.100	3.03	0	107	40 - 140	3.351	3.49	25	
Acenaphthene	3.922	0.100	3.03	0	129	40 - 140	4.018	2.42	25	
Acenaphthylene	4.096	0.100	3.03	0	135	40 - 140	4.227	3.15	25	
Anthracene	3.671	0.100	3.03	0	121	40 - 140	3.894	5.91	25	
Benz(a)anthracene	3.522	0.100	3.03	0	116	40 - 140	2.907	19.2	25	
Benzo(a)pyrene	2.644	0.100	3.03	0	87.3	40 - 140	2.536	4.19	25	
Benzo(b)fluoranthene	2.538	0.100	3.03	0	83.8	40 - 140	2.657	4.57	25	
Benzo(g,h,i)perylene	2.656	0.100	3.03	0	87.7	40 - 140	2.739	3.05	25	
Benzo(k)fluoranthene	3.059	0.100	3.03	0	101	40 - 140	3.208	4.75	25	
Chrysene	3.708	0.100	3.03	0	122	40 - 140	3.528	4.96	25	
Dibenz(a,h)anthracene	2.41	0.100	3.03	0	79.5	40 - 140	3.298	31.1	25	R
Dibenzofuran	3.642	0.100	3.03	0	120	40 - 140	3.757	3.09	25	
Fluoranthene	3.312	0.100	3.03	0	109	40 - 140	3.621	8.9	25	
Fluorene	3.747	0.100	3.03	0	124	40 - 140	3.835	2.34	25	
Indeno(1,2,3-cd)pyrene	3.262	0.100	3.03	0	108	40 - 140	3.478	6.41	25	
Naphthalene	3.578	0.100	3.03	0	118	40 - 140	3.723	3.98	25	
Phenanthrene	3.835	0.100	3.03	0	127	40 - 140	4.191	8.87	25	
Pyrene	4.146	0.100	3.03	0	137	40 - 140	3.509	16.7	25	
Surr: 2-Fluorobiphenyl	*3.271*	*0.100*	*3.03*	*0*	*108*	*32 - 130*	*3.232*	*1.2*	*25*	
Surr: 4-Terphenyl-d14	*3.822*	*0.100*	*3.03*	*0*	*126*	*40 - 135*	*3.118*	*20.3*	*25*	
Surr: Nitrobenzene-d5	*3.367*	*0.100*	*3.03*	*0*	*111*	*45 - 142*	*3.384*	*0.506*	*25*	

The following samples were analyzed in this batch: HS20061096-01

ALS Houston, US Date: 30-Jun-20

Client: Permian Basin Environmental Lab, LP
Project: 0F19013
WorkOrder: **HS20061096**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 30-Jun-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2019-2020	31-Jul-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 30-Jun-20

Sample Receipt Checklist

Work Order ID: HS20061096 **Date/Time Received:** 23-Jun-2020 09:30

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By:	/S/ Jared R. Makan	23-Jun-2020 12:23	**Reviewed by:**	/S/ Andy C. Neir	23-Jun-2020 13:18
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **FedEx Standard Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	0.9°C/0.9°C UC/C	IR25	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	06/23/2020 12:24		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

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

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO3	HCl 2x 40mL VOA	H2SO4	NaOH /ZNAC 250 Poly 1	Na2S2O3	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	Matrix: DW–Drinking Water SL–Sludge	GW – Groundwater S–Soil/Solid	NP–Non-Potable Specify Other:	Analyze For: RCI	8082 PCB ONLY	METALS,TCLP RCRA 8 BY ICPMS/7	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	BOD - 405.1	8270C PAH LL	8260B COMPLETE LIST	8270C SVOC TCLP	TOX 9020B	Triethylene Glycol 8015m	PH	24 HOUR RUSH	Standard TAT 4 DAY
	0F19013-1			6/18/2020	15:05		3	X									W									X							X

HS20061096
Permian Basin Environmental Lab, LP
0F19013

Special Instructions:

Relinquished by:	Date	Time		Date	Time
Brent Barron		16:00	-5 Received	6/23/20	7:30
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 LC
Temperature Upon Receipt:
Received: 0.9 °C
Adjusted: 0.0 °C Factor

Cedar Hill
TX

Red

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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0G15009

NELAP/TCEQ # T104704516-17-8

Report Date: 07/27/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Post	0G15009-01	Water	07/14/20 14:15	07-15-2020 10:55

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

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Post

0G15009-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P0G2213	07/20/20	07/21/20	8270C	SUB-13

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/27/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

LMD CK 03

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paaip.com, algroves@paaip.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 0615009

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	PAH	NA	NA	07.14.20	1415		3	X								GW			X												X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	07.15.20	1055			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				07/15/20	10:55

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.5 °C
Adjusted: 5.5 °C Factor CF+1 LZ

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

July 22, 2020

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

Work Order: **HS20070788**

Laboratory Results for: **0G15009**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Jul 17, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
Work Order: HS20070788

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20070788-01	0G15009-01	Water		14-Jul-2020 14:15	17-Jul-2020 09:50	☐

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0G15009
Work Order: HS20070788

GCMS Semivolatiles by Method SW8270

Batch ID: 155572

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

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
Sample ID: 0G15009-01
Collection Date: 14-Jul-2020 14:15

ANALYTICAL REPORT
WorkOrder:HS20070788
Lab ID:HS20070788-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 20-Jul-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.102	ug/L	1	21-Jul-2020 15:03
2-Methylnaphthalene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Acenaphthene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Acenaphthylene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Anthracene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Benz(a)anthracene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Benzo(a)pyrene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Benzo(b)fluoranthene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Benzo(g,h,i)perylene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Benzo(k)fluoranthene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Chrysene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Dibenz(a,h)anthracene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Dibenzofuran	ND		0.102	ug/L	1	21-Jul-2020 15:03
Fluoranthene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Fluorene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Indeno(1,2,3-cd)pyrene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Naphthalene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Phenanthrene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Pyrene	ND		0.102	ug/L	1	21-Jul-2020 15:03
Surr: 2-Fluorobiphenyl	*103*		*32-130*	*%REC*	*1*	*21-Jul-2020 15:03*
Surr: 4-Terphenyl-d14	*76.5*		*40-135*	*%REC*	*1*	*21-Jul-2020 15:03*
Surr: Nitrobenzene-d5	*111*		*45-142*	*%REC*	*1*	*21-Jul-2020 15:03*

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

ALS Houston, US

Date: 22-Jul-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: HS20070788

Batch ID: 155572 **Start Date:** 20 Jul 2020 15:05 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20070788-01	1	32.45 (mL)	2 (mL)	0.06163

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: HS20070788

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 155572 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20070788-01	0G15009-01	14 Jul 2020 14:15		20 Jul 2020 15:05	21 Jul 2020 15:03	1

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: HS20070788

QC BATCH REPORT

Batch ID: 155572 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-155572** Units: **ug/L** Analysis Date: **21-Jul-2020 13:26**
Client ID: Run ID: **SV-6_365410** SeqNo: **5669103** PrepDate: **20-Jul-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Dibenzofuran	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	*2.627*	*0.100*	*3.03*	*0*	*86.7*	*32 - 130*			
Surr: 4-Terphenyl-d14	*2.031*	*0.100*	*3.03*	*0*	*67.0*	*40 - 135*			
Surr: Nitrobenzene-d5	*3.248*	*0.100*	*3.03*	*0*	*107*	*45 - 142*			

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: HS20070788

QC BATCH REPORT

Batch ID: 155572 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-155572** Units: **ug/L** Analysis Date: **21-Jul-2020 13:45**
Client ID: Run ID: **SV-6_365410** SeqNo: **5669104** PrepDate: **20-Jul-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.593	0.100	3.03	0	119	40 - 140				
2-Methylnaphthalene	3.58	0.100	3.03	0	118	40 - 140				
Acenaphthene	3.159	0.100	3.03	0	104	40 - 140				
Acenaphthylene	3.225	0.100	3.03	0	106	40 - 140				
Anthracene	3.405	0.100	3.03	0	112	40 - 140				
Benz(a)anthracene	2.201	0.100	3.03	0	72.6	40 - 140				
Benzo(a)pyrene	2.362	0.100	3.03	0	78.0	40 - 140				
Benzo(b)fluoranthene	2.299	0.100	3.03	0	75.9	40 - 140				
Benzo(g,h,i)perylene	2.748	0.100	3.03	0	90.7	40 - 140				
Benzo(k)fluoranthene	3.437	0.100	3.03	0	113	40 - 140				
Chrysene	3.549	0.100	3.03	0	117	40 - 140				
Dibenz(a,h)anthracene	2.691	0.100	3.03	0	88.8	40 - 140				
Dibenzofuran	2.938	0.100	3.03	0	97.0	40 - 140				
Fluoranthene	2.921	0.100	3.03	0	96.4	40 - 140				
Fluorene	3.017	0.100	3.03	0	99.6	40 - 140				
Indeno(1,2,3-cd)pyrene	2.201	0.100	3.03	0	72.6	40 - 140				
Naphthalene	3.972	0.100	3.03	0	131	40 - 140				
Phenanthrene	3.356	0.100	3.03	0	111	40 - 140				
Pyrene	3.043	0.100	3.03	0	100	40 - 140				
Surr: 2-Fluorobiphenyl	*3.292*	*0.100*	*3.03*	*0*	*109*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.951*	*0.100*	*3.03*	*0*	*97.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.299*	*0.100*	*3.03*	*0*	*109*	*45 - 142*				

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: HS20070788

QC BATCH REPORT

Batch ID: 155572 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-155572** Units: **ug/L** Analysis Date: **21-Jul-2020 14:05**
Client ID: Run ID: **SV-6_365410** SeqNo: **5669105** PrepDate: **20-Jul-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	3.653	0.100	3.03	0	121	40 - 140	3.593	1.65	25	
2-Methylnaphthalene	3.601	0.100	3.03	0	119	40 - 140	3.58	0.592	25	
Acenaphthene	3.294	0.100	3.03	0	109	40 - 140	3.159	4.18	25	
Acenaphthylene	3.278	0.100	3.03	0	108	40 - 140	3.225	1.65	25	
Anthracene	3.274	0.100	3.03	0	108	40 - 140	3.405	3.94	25	
Benz(a)anthracene	2.47	0.100	3.03	0	81.5	40 - 140	2.201	11.5	25	
Benzo(a)pyrene	2.585	0.100	3.03	0	85.3	40 - 140	2.362	9.02	25	
Benzo(b)fluoranthene	2.636	0.100	3.03	0	87.0	40 - 140	2.299	13.7	25	
Benzo(g,h,i)perylene	3.077	0.100	3.03	0	102	40 - 140	2.748	11.3	25	
Benzo(k)fluoranthene	3.342	0.100	3.03	0	110	40 - 140	3.437	2.8	25	
Chrysene	3.628	0.100	3.03	0	120	40 - 140	3.549	2.18	25	
Dibenz(a,h)anthracene	3.048	0.100	3.03	0	101	40 - 140	2.691	12.5	25	
Dibenzofuran	3.432	0.100	3.03	0	113	40 - 140	2.938	15.5	25	
Fluoranthene	2.888	0.100	3.03	0	95.3	40 - 140	2.921	1.13	25	
Fluorene	3.094	0.100	3.03	0	102	40 - 140	3.017	2.53	25	
Indeno(1,2,3-cd)pyrene	2.502	0.100	3.03	0	82.6	40 - 140	2.201	12.8	25	
Naphthalene	4.036	0.100	3.03	0	133	40 - 140	3.972	1.59	25	
Phenanthrene	3.379	0.100	3.03	0	112	40 - 140	3.356	0.668	25	
Pyrene	3.204	0.100	3.03	0	106	40 - 140	3.043	5.16	25	
Surr: 2-Fluorobiphenyl	*2.739*	*0.100*	*3.03*	*0*	*90.4*	*32 - 130*	*3.292*	*18.3*	*25*	
Surr: 4-Terphenyl-d14	*2.991*	*0.100*	*3.03*	*0*	*98.7*	*40 - 135*	*2.951*	*1.33*	*25*	
Surr: Nitrobenzene-d5	*3.345*	*0.100*	*3.03*	*0*	*110*	*45 - 142*	*3.299*	*1.41*	*25*	

The following samples were analyzed in this batch: HS20070788-01

ALS Houston, US Date: 22-Jul-20

Client: Permian Basin Environmental Lab, LP
Project: 0G15009
WorkOrder: **HS20070788**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 22-Jul-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2019-2020	31-Jul-2020
North Carolina	624-2020	31-Dec-2020
Oklahoma	2019-141	31-Aug-2020
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 22-Jul-20

Sample Receipt Checklist

Work Order ID: HS20070788 **Date/Time Received:** 17-Jul-2020 09:50

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

Completed By:	/S/ Nilesh D. Ranchod	17-Jul-2020 19:33	**Reviewed by:**	/S/ Andy C. Neir	20-Jul-2020 14:22
	eSignature	Date/Time		eSignature	Date/Time

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:None
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.2C UC/C	IR # 25
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	07/17/2020 20:00	

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

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental L
1400 Rankin HWY
Midland, Texas 79701

HS20070788
Permian Basin Environmental Lab, LP
0G15009

Project Manager:	Brent Barron
Company Name	PBEL
Company Address:	1400 Rankin HWY
City/State/Zip:	Midland Texas 79701
Telephone No:	432-661-4184
Fax No:	
Sampler Signature:	N/A
e-mail:	brentbarron@pbelab.com
Project #:	
Project Loc:	
PO #:	

Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO_3	HCl 2x 40mL VOA	H_2SO_4	NaOH /ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	DW-Drinking Water SL-Sludge	GW = Groundwater S-Soil/Solid	NP=Non-Potable Specify Other	RCI	CATIONS(Ca,Mg,Na,K) by SW6010B	METALS,TCLP RCRA 8 BY ICPMS/7-	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	BOD - 405.1	8270C PAH LL	8260B COMPLETE LIST	8270C SVOC TCLP	TOX 9020B	Triethylene Glycol 8015m	PH	24 HOUR RUSH	Standard TAT 4 DAY
	0G15009-01			7/14/2020	14:15		3	X									W									X							X

Preservation & # of Containers; Matrix; Analyze For:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron		16:00	[signature] 7/17/2020 0930		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: RD 7/16 1:20	Date	Time	Received by:	Date	Time

+2° c/i 0.0°

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

Red

FRI - 17 JUL AA
STANDARD OVERNIGHT

0085 4244

AB SGRA Red

77099
TX-US
IAH

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

PBELAB

Analytical Report

Prepared for:

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

Project: TNM 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0H26014

NELAP/TCEQ # T104704516-17-8

Report Date: 09/08/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0H26014-01	Water	08/25/20 14:05	08-26-2020 10:49

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

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

PAH

0H26014-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P0I0102	08/31/20	08/31/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/8/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

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

(lab use only)
ORDER #: 0426014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	8/25/20	14:05		3	X								GW			X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	8/26/20	10:49			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				8/26/20	10:49

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.3 °C CF +1
Adjusted: 5.3 °C Factor 1.2

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

August 31, 2020

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

Work Order: **HS20081233**

Laboratory Results for: **0H26014**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Aug 28, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: ANDREW.NEIR
Andy C. Neir

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
Work Order: HS20081233

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20081233-01	0H26014-01	Water		25-Aug-2020 14:05	28-Aug-2020 10:30	☐

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
Work Order: HS20081233

CASE NARRATIVE

GCMS Semivolatiles by Method SW8270

Batch ID: 156852

Sample ID: LCSD-156852

- The RPD between the LCS and LCSD was outside of the control limit.

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
Sample ID: 0H26014-01
Collection Date: 25-Aug-2020 14:05

ANALYTICAL REPORT
WorkOrder:HS20081233
Lab ID:HS20081233-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 28-Aug-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.102	ug/L	1	31-Aug-2020 16:19
2-Methylnaphthalene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Acenaphthene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Acenaphthylene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Anthracene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Benz(a)anthracene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Benzo(a)pyrene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Benzo(b)fluoranthene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Benzo(g,h,i)perylene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Benzo(k)fluoranthene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Chrysene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Dibenz(a,h)anthracene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Dibenzofuran	ND		0.102	ug/L	1	31-Aug-2020 16:19
Fluoranthene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Fluorene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Indeno(1,2,3-cd)pyrene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Naphthalene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Phenanthrene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Pyrene	ND		0.102	ug/L	1	31-Aug-2020 16:19
Surr: 2-Fluorobiphenyl	*114*		*32-130*	*%REC*	*1*	*31-Aug-2020 16:19*
Surr: 4-Terphenyl-d14	*92.8*		*40-135*	*%REC*	*1*	*31-Aug-2020 16:19*
Surr: Nitrobenzene-d5	*117*		*45-142*	*%REC*	*1*	*31-Aug-2020 16:19*

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

ALS Houston, US

Date: 31-Aug-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: HS20081233

Batch ID: 156852 **Start Date:** 28 Aug 2020 20:48 **End Date:** 31 Aug 2020 09:30
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20081233-01		32.42 (mL)	2 (mL)	0.06169

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: HS20081233

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 156852 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20081233-01	0H26014-01	25 Aug 2020 14:05		28 Aug 2020 20:48	31 Aug 2020 16:19	1

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: HS20081233

QC BATCH REPORT

Batch ID: 156852 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-156852** Units: **ug/L** Analysis Date: **31-Aug-2020 13:58**
Client ID: Run ID: **SV-6_367775** SeqNo: **5721573** PrepDate: **28-Aug-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*3.534*	*0.100*	*3.03*	*0*	*117*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.646*	*0.100*	*3.03*	*0*	*87.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.39*	*0.100*	*3.03*	*0*	*112*	*45 - 142*				

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: HS20081233

QC BATCH REPORT

Batch ID: 156852 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-156852** Units: **ug/L** Analysis Date: **31-Aug-2020 14:18**
Client ID: Run ID: **SV-6_367775** SeqNo: **5721574** PrepDate: **28-Aug-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.511	0.100	3.03	0	82.9	40 - 140				
2-Methylnaphthalene	2.794	0.100	3.03	0	92.2	40 - 140				
Acenaphthene	3.367	0.100	3.03	0	111	40 - 140				
Acenaphthylene	3.099	0.100	3.03	0	102	40 - 140				
Anthracene	2.809	0.100	3.03	0	92.7	40 - 140				
Benz(a)anthracene	2.532	0.100	3.03	0	83.6	40 - 140				
Benzo(a)pyrene	2.17	0.100	3.03	0	71.6	40 - 140				
Benzo(b)fluoranthene	2.123	0.100	3.03	0	70.1	40 - 140				
Benzo(g,h,i)perylene	2.113	0.100	3.03	0	69.8	40 - 140				
Benzo(k)fluoranthene	2.292	0.100	3.03	0	75.6	40 - 140				
Chrysene	2.712	0.100	3.03	0	89.5	40 - 140				
Dibenz(a,h)anthracene	2.323	0.100	3.03	0	76.7	40 - 140				
Dibenzofuran	3.133	0.100	3.03	0	103	40 - 140				
Fluoranthene	2.592	0.100	3.03	0	85.6	40 - 140				
Fluorene	3.223	0.100	3.03	0	106	40 - 140				
Indeno(1,2,3-cd)pyrene	2.97	0.100	3.03	0	98.0	40 - 140				
Naphthalene	3.189	0.100	3.03	0	105	40 - 140				
Phenanthrene	3.125	0.100	3.03	0	103	40 - 140				
Pyrene	2.738	0.100	3.03	0	90.4	40 - 140				
Surr: 2-Fluorobiphenyl	*2.941*	*0.100*	*3.03*	*0*	*97.0*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.372*	*0.100*	*3.03*	*0*	*78.3*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.223*	*0.100*	*3.03*	*0*	*73.4*	*45 - 142*				

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: HS20081233

QC BATCH REPORT

Batch ID: 156852 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-156852** Units: **ug/L** Analysis Date: **31-Aug-2020 14:37**
Client ID: Run ID: **SV-6_367775** SeqNo: **5721575** PrepDate: **28-Aug-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.066	0.100	3.03	0	101	40 - 140	2.511	19.9	25	
2-Methylnaphthalene	3.153	0.100	3.03	0	104	40 - 140	2.794	12	25	
Acenaphthene	3.082	0.100	3.03	0	102	40 - 140	3.367	8.83	25	
Acenaphthylene	3.293	0.100	3.03	0	109	40 - 140	3.099	6.07	25	
Anthracene	2.999	0.100	3.03	0	99.0	40 - 140	2.809	6.53	25	
Benz(a)anthracene	2.543	0.100	3.03	0	83.9	40 - 140	2.532	0.416	25	
Benzo(a)pyrene	2.437	0.100	3.03	0	80.4	40 - 140	2.17	11.6	25	
Benzo(b)fluoranthene	2.409	0.100	3.03	0	79.5	40 - 140	2.123	12.6	25	
Benzo(g,h,i)perylene	1.93	0.100	3.03	0	63.7	40 - 140	2.113	9.06	25	
Benzo(k)fluoranthene	2.402	0.100	3.03	0	79.3	40 - 140	2.292	4.72	25	
Chrysene	1.904	0.100	3.03	0	62.8	40 - 140	2.712	35	25	R
Dibenz(a,h)anthracene	2.259	0.100	3.03	0	74.6	40 - 140	2.323	2.79	25	
Dibenzofuran	3.292	0.100	3.03	0	109	40 - 140	3.133	4.94	25	
Fluoranthene	3.132	0.100	3.03	0	103	40 - 140	2.592	18.9	25	
Fluorene	3.3	0.100	3.03	0	109	40 - 140	3.223	2.35	25	
Indeno(1,2,3-cd)pyrene	2.913	0.100	3.03	0	96.2	40 - 140	2.97	1.93	25	
Naphthalene	3.227	0.100	3.03	0	107	40 - 140	3.189	1.2	25	
Phenanthrene	3.274	0.100	3.03	0	108	40 - 140	3.125	4.68	25	
Pyrene	3.112	0.100	3.03	0	103	40 - 140	2.738	12.8	25	
Surr: 2-Fluorobiphenyl	*2.688*	*0.100*	*3.03*	*0*	*88.7*	*32 - 130*	*2.941*	*8.98*	*25*	
Surr: 4-Terphenyl-d14	*2.26*	*0.100*	*3.03*	*0*	*74.6*	*40 - 135*	*2.372*	*4.86*	*25*	
Surr: Nitrobenzene-d5	*2.864*	*0.100*	*3.03*	*0*	*94.5*	*45 - 142*	*2.223*	*25.2*	*25*	R

The following samples were analyzed in this batch: HS20081233-01

ALS Houston, US Date: 31-Aug-20

Client: Permian Basin Environmental Lab, LP
Project: 0H26014
WorkOrder: **HS20081233**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 31-Aug-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	ANAB L2231 V010	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-2021
Kentucky	123043, 2020-2021	30-Apr-2021
Louisiana	03087, 2020-2021	30-Jun-2021
Maryland	343, 2019-2020	30-Sep-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2020-2021	30-Apr-2021
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 31-Aug-20

Sample Receipt Checklist

Work Order ID: HS20081233 **Date/Time Received:** 28-Aug-2020 10:30

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

Completed By:	/S/ Jared R. Makan	28-Aug-2020 12:39	**Reviewed by:**	/S/ Andy C. Neir	28-Aug-2020 16:44
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **ALS Courier**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	1.1°C/1.1°C UC/C	IR31	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	08/28/2020 12:40		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Project Manager: Brent Barron
Company Name: Permian Basin Environmental Lab, LP
Company Address: 1400 Rankin Hwy
City/State/Zip: Midland, Texas 79701
Telephone No: 432-686-7235 Fax No:
Sampler Signature: e-mail: brentbarron@gmail.com

Project Name: Subcontract
Project #: 0G27006
Project Loc: Midland, Texas
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3 250 ml Poly	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None 1L Poly	NaOH/ZnAc	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	LL PAHs	14 Day Tat
	0H26014-01			08/25/20	1405	0	3	x		X						W	x	X

HS20081233
Permian Basin Environmental Lab, LP
0H26014

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	8/25/2020	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
				8/28/2020	10:30
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

PBELAB

Analytical Report

Prepared for:

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: TNM 97-04

Project Number: TNM 97-04

Location: Lea County, NM

Lab Order Number: 0J01004

NELAP/TCEQ # T104704516-17-8

Report Date: 10/15/20

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

Project: TNM 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0J01004-01	Water	09/29/20 15:35	09-30-2020 16:39

Low Level PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PAH

0J01004-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P0J1301	10/06/20	10/09/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: TNM 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 10/15/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive Suite 150E

City/State/Zip: Midland/TX/79705

Telephone No: (432)5207720 Fax No:

Sampler Signature:

Project Name: TNM: 97-04

Project #: TNM: 97-04

Project Loc: Lea County, NM

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: cdstanley@trcsolutions.com
cjbryant@paalp.com
algroves@paalp.com
sstanley@trcsolutions.com

(lab use only)
ORDER #: 0301004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW= Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1008	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	9/29/20	15:35		3	X								GW			X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	9/30/20	16:39			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Arina Bledsoe	9/30/20	16:39

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: 8.8 °C CF: 1
Adjusted: 9.1 °C Factor 1.2

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

October 09, 2020

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

Work Order: **HS20100204**

Laboratory Results for: **0J01004**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Oct 06, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Bernadette Fini

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

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
Work Order: HS20100204

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20100204-01	0J01004-01	Water		29-Sep-2020 15:35	06-Oct-2020 11:00	☐

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0J01004
Work Order: HS20100204

GCMS Semivolatiles by Method SW8270

Batch ID: 158144

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

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
Sample ID: 0J01004-01
Collection Date: 29-Sep-2020 15:35

ANALYTICAL REPORT
WorkOrder:HS20100204
Lab ID:HS20100204-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 06-Oct-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.101	ug/L	1	09-Oct-2020 11:50
2-Methylnaphthalene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Acenaphthene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Acenaphthylene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Anthracene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Benz(a)anthracene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Benzo(a)pyrene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Benzo(b)fluoranthene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Benzo(k)fluoranthene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Chrysene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Dibenzofuran	ND		0.101	ug/L	1	09-Oct-2020 11:50
Fluoranthene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Fluorene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Naphthalene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Phenanthrene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Pyrene	ND		0.101	ug/L	1	09-Oct-2020 11:50
Surr: 2-Fluorobiphenyl	*115*		*32-130*	*%REC*	*1*	*09-Oct-2020 11:50*
Surr: 4-Terphenyl-d14	*113*		*40-135*	*%REC*	*1*	*09-Oct-2020 11:50*
Surr: Nitrobenzene-d5	*114*		*45-142*	*%REC*	*1*	*09-Oct-2020 11:50*

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

ALS Houston, US

Date: 09-Oct-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: HS20100204

Batch ID: 158144 **Start Date:** 06 Oct 2020 12:15 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20100204-01	1	32.7 (mL)	2 (mL)	0.06116

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: HS20100204

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 158144 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20100204-01	0J01004-01	29 Sep 2020 15:35		06 Oct 2020 12:15	09 Oct 2020 11:50	1

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: HS20100204

QC BATCH REPORT

Batch ID: 158144 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-158144** Units: **ug/L** Analysis Date: **09-Oct-2020 10:51**
Client ID: Run ID: **SV-6_370157** SeqNo: **5772671** PrepDate: **06-Oct-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*3.417*	*0.100*	*3.03*	*0*	*113*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.544*	*0.100*	*3.03*	*0*	*117*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.381*	*0.100*	*3.03*	*0*	*112*	*45 - 142*				

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: HS20100204

QC BATCH REPORT

Batch ID: 158144 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-158144** Units: **ug/L** Analysis Date: **09-Oct-2020 11:11**
Client ID: Run ID: **SV-6_370157** SeqNo: **5772672** PrepDate: **06-Oct-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.152	0.100	3.03	0	104	40 - 140				
2-Methylnaphthalene	3.195	0.100	3.03	0	105	40 - 140				
Acenaphthene	3.598	0.100	3.03	0	119	40 - 140				
Acenaphthylene	3.525	0.100	3.03	0	116	40 - 140				
Anthracene	3.628	0.100	3.03	0	120	40 - 140				
Benz(a)anthracene	3.45	0.100	3.03	0	114	40 - 140				
Benzo(a)pyrene	3.231	0.100	3.03	0	107	40 - 140				
Benzo(b)fluoranthene	3.829	0.100	3.03	0	126	40 - 140				
Benzo(g,h,i)perylene	2.664	0.100	3.03	0	87.9	40 - 140				
Benzo(k)fluoranthene	2.966	0.100	3.03	0	97.9	40 - 140				
Chrysene	3.125	0.100	3.03	0	103	40 - 140				
Dibenz(a,h)anthracene	2.939	0.100	3.03	0	97.0	40 - 140				
Dibenzofuran	4.131	0.100	3.03	0	136	40 - 140				
Fluoranthene	3.744	0.100	3.03	0	124	40 - 140				
Fluorene	3.209	0.100	3.03	0	106	40 - 140				
Indeno(1,2,3-cd)pyrene	3.302	0.100	3.03	0	109	40 - 140				
Naphthalene	3.422	0.100	3.03	0	113	40 - 140				
Phenanthrene	3.243	0.100	3.03	0	107	40 - 140				
Pyrene	3.113	0.100	3.03	0	103	40 - 140				
Surr: 2-Fluorobiphenyl	*2.88*	*0.100*	*3.03*	*0*	*95.1*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.749*	*0.100*	*3.03*	*0*	*90.7*	*40 - 135*				
Surr: Nitrobenzene-d5	*3.061*	*0.100*	*3.03*	*0*	*101*	*45 - 142*				

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: HS20100204

QC BATCH REPORT

Batch ID: 158144 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-158144** Units: **ug/L** Analysis Date: **09-Oct-2020 11:30**
Client ID: Run ID: **SV-6_370157** SeqNo: **5772673** PrepDate: **06-Oct-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
1-Methylnaphthalene	3.223	0.100	3.03	0	106	40 - 140	3.152	2.21	25	
2-Methylnaphthalene	3.167	0.100	3.03	0	105	40 - 140	3.195	0.865	25	
Acenaphthene	3.623	0.100	3.03	0	120	40 - 140	3.598	0.71	25	
Acenaphthylene	3.957	0.100	3.03	0	131	40 - 140	3.525	11.6	25	
Anthracene	3.788	0.100	3.03	0	125	40 - 140	3.628	4.3	25	
Benz(a)anthracene	3.062	0.100	3.03	0	101	40 - 140	3.45	11.9	25	
Benzo(a)pyrene	3.42	0.100	3.03	0	113	40 - 140	3.231	5.69	25	
Benzo(b)fluoranthene	3.519	0.100	3.03	0	116	40 - 140	3.829	8.46	25	
Benzo(g,h,i)perylene	3.026	0.100	3.03	0	99.9	40 - 140	2.664	12.7	25	
Benzo(k)fluoranthene	3.495	0.100	3.03	0	115	40 - 140	2.966	16.4	25	
Chrysene	3.317	0.100	3.03	0	109	40 - 140	3.125	5.99	25	
Dibenz(a,h)anthracene	3.065	0.100	3.03	0	101	40 - 140	2.939	4.2	25	
Dibenzofuran	3.8	0.100	3.03	0	125	40 - 140	4.131	8.34	25	
Fluoranthene	3.626	0.100	3.03	0	120	40 - 140	3.744	3.22	25	
Fluorene	3.385	0.100	3.03	0	112	40 - 140	3.209	5.34	25	
Indeno(1,2,3-cd)pyrene	3.326	0.100	3.03	0	110	40 - 140	3.302	0.711	25	
Naphthalene	3.415	0.100	3.03	0	113	40 - 140	3.422	0.206	25	
Phenanthrene	3.268	0.100	3.03	0	108	40 - 140	3.243	0.78	25	
Pyrene	3.278	0.100	3.03	0	108	40 - 140	3.113	5.16	25	
Surr: 2-Fluorobiphenyl	*2.801*	*0.100*	*3.03*	*0*	*92.4*	*32 - 130*	*2.88*	*2.78*	*25*	
Surr: 4-Terphenyl-d14	*2.814*	*0.100*	*3.03*	*0*	*92.9*	*40 - 135*	*2.749*	*2.34*	*25*	
Surr: Nitrobenzene-d5	*2.828*	*0.100*	*3.03*	*0*	*93.3*	*45 - 142*	*3.061*	*7.93*	*25*	

The following samples were analyzed in this batch: HS20100204-01

ALS Houston, US Date: 09-Oct-20

Client: Permian Basin Environmental Lab, LP
Project: 0J01004
WorkOrder: **HS20100204**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 09-Oct-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	PJLA L20-507	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2020-2021	31-Jul-2021
Kentucky	123043, 2020-2021	30-Apr-2021
Louisiana	03087, 2020-2021	30-Jun-2021
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2020-2021	30-Apr-2021
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 09-Oct-20

Sample Receipt Checklist

Work Order ID: HS20100204 **Date/Time Received:** 06-Oct-2020 11:00

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By:	/S/ Bernadette A. Fini	06-Oct-2020 11:54	**Reviewed by:**	/S/ Bernadette A. Fini	06-Oct-2020 14:00
	eSignature	Date/Time		eSignature	Date/Time

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.6C UC/C	IR #31	
Cooler(s)/Kit(s):	red		
Date/Time sample(s) sent to storage:	10-6-20		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

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

HS20100204
Permian Basin Environmental Lab, LP
0J01004

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

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	HNO3	HCl 2x 40mL VOA	H2SO4	NaOH/ZNAC 250 Poly 1	Na2S2O3	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	DW-Drinking Water SL-Sludge	GW-Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	Solids, TSS-160.2	HEM BY 1664	COD-8000	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	BOD-405.1	8270C PAH LL	8260C SEMIVOLATILE	METHANOL 8015M	TOX 9020B	Triethylene Glycol 8015m	PH	24 HOUR RUSH	Standard TAT 4 DAY
	0J01004-01			9/29/2020	15:35		3	X									W									X							X

Preservation & # of Containers / Matrix / Analyze For:

Special Instructions: !! Please Begin Extraction before 15:35!

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	10/5/20	16:00			
Relinquished by:	Date	Time	Received by: JM	9/6/20	8:30
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
Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

Rev1 1.6 IR# 31 cl/s

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0K04003

NELAP/TCEQ # T104704516-17-8

Report Date: 11/16/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0K04003-01	Water	11/03/20 16:00	11-04-2020 09:25

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PAH

0K04003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Dibenzofuran	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P0K1301	11/10/20	11/11/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 11/16/2020

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.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720 Fax No:
Sampler Signature:

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

(lab use only)
ORDER #: OK04003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
—	PAH	NA	NA	11.03.20	1600		3	X								GW			X												X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	11-04-20	0925			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				11-4-20	0925

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 9.3 °C
Adjusted: 9.2 °C Factor CF: 1.0

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

November 11, 2020

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

Work Order: **HS20110187**

Laboratory Results for: **0K04003**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 05, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Bernadette Fini

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

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
Work Order: HS20110187

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20110187-01	OK04003-01	Water		03-Nov-2020 16:00	05-Nov-2020 09:30	☐

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0K04003
Work Order: HS20110187

GCMS Semivolatiles by Method SW8270

Batch ID: 159415

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

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
Sample ID: OK04003-01
Collection Date: 03-Nov-2020 16:00

ANALYTICAL REPORT
WorkOrder:HS20110187
Lab ID:HS20110187-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 10-Nov-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.101	ug/L	1	11-Nov-2020 03:10
2-Methylnaphthalene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Acenaphthene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Acenaphthylene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Anthracene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Benz(a)anthracene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Benzo(a)pyrene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Benzo(b)fluoranthene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Benzo(k)fluoranthene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Chrysene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Dibenzofuran	ND		0.101	ug/L	1	11-Nov-2020 03:10
Fluoranthene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Fluorene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Naphthalene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Phenanthrene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Pyrene	ND		0.101	ug/L	1	11-Nov-2020 03:10
Surr: 2-Fluorobiphenyl	*106*		*32-130*	*%REC*	*1*	*11-Nov-2020 03:10*
Surr: 4-Terphenyl-d14	*100*		*40-135*	*%REC*	*1*	*11-Nov-2020 03:10*
Surr: Nitrobenzene-d5	*113*		*45-142*	*%REC*	*1*	*11-Nov-2020 03:10*

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

ALS Houston, US

Date: 11-Nov-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: HS20110187

Batch ID: 159415 **Start Date:** 10 Nov 2020 10:25 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20110187-01	1	32.53 (mL)	2 (mL)	0.06148

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: HS20110187

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 159415 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20110187-01	OK04003-01	03 Nov 2020 16:00		10 Nov 2020 10:25	11 Nov 2020 03:10	1

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: HS20110187

QC BATCH REPORT

Batch ID: 159415 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-159415** Units: **ug/L** Analysis Date: **10-Nov-2020 18:13**
Client ID: Run ID: **SV-6_372362** SeqNo: **5826109** PrepDate: **10-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*2.675*	*0.100*	*3.03*	*0*	*88.3*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.831*	*0.100*	*3.03*	*0*	*93.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.457*	*0.100*	*3.03*	*0*	*81.1*	*45 - 142*				

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: HS20110187

QC BATCH REPORT

Batch ID: 159415 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-159415** Units: **ug/L** Analysis Date: **10-Nov-2020 18:32**
Client ID: Run ID: **SV-6_372362** SeqNo: **5826110** PrepDate: **10-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.047	0.100	3.03	0	101	40 - 140				
2-Methylnaphthalene	2.558	0.100	3.03	0	84.4	40 - 140				
Acenaphthene	2.932	0.100	3.03	0	96.8	40 - 140				
Acenaphthylene	2.995	0.100	3.03	0	98.8	40 - 140				
Anthracene	3.107	0.100	3.03	0	103	40 - 140				
Benz(a)anthracene	2.151	0.100	3.03	0	71.0	40 - 140				
Benzo(a)pyrene	2.792	0.100	3.03	0	92.2	40 - 140				
Benzo(b)fluoranthene	2.181	0.100	3.03	0	72.0	40 - 140				
Benzo(g,h,i)perylene	2.583	0.100	3.03	0	85.3	40 - 140				
Benzo(k)fluoranthene	3.36	0.100	3.03	0	111	40 - 140				
Chrysene	3.389	0.100	3.03	0	112	40 - 140				
Dibenz(a,h)anthracene	2.587	0.100	3.03	0	85.4	40 - 140				
Dibenzofuran	3.14	0.100	3.03	0	104	40 - 140				
Fluoranthene	2.923	0.100	3.03	0	96.5	40 - 140				
Fluorene	3.101	0.100	3.03	0	102	40 - 140				
Indeno(1,2,3-cd)pyrene	3.085	0.100	3.03	0	102	40 - 140				
Naphthalene	2.999	0.100	3.03	0	99.0	40 - 140				
Phenanthrene	2.739	0.100	3.03	0	90.4	40 - 140				
Pyrene	2.672	0.100	3.03	0	88.2	40 - 140				
Surr: 2-Fluorobiphenyl	*2.874*	*0.100*	*3.03*	*0*	*94.9*	*32 - 130*				
Surr: 4-Terphenyl-d14	*3.061*	*0.100*	*3.03*	*0*	*101*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.384*	*0.100*	*3.03*	*0*	*78.7*	*45 - 142*				

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: HS20110187

QC BATCH REPORT

Batch ID: 159415 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-159415** Units: **ug/L** Analysis Date: **10-Nov-2020 18:52**
Client ID: Run ID: **SV-6_372362** SeqNo: **5826111** PrepDate: **10-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.966	0.100	3.03	0	97.9	40 - 140	3.047	2.72	25	
2-Methylnaphthalene	2.393	0.100	3.03	0	79.0	40 - 140	2.558	6.68	25	
Acenaphthene	2.722	0.100	3.03	0	89.8	40 - 140	2.932	7.43	25	
Acenaphthylene	2.807	0.100	3.03	0	92.6	40 - 140	2.995	6.46	25	
Anthracene	3.243	0.100	3.03	0	107	40 - 140	3.107	4.29	25	
Benz(a)anthracene	1.918	0.100	3.03	0	63.3	40 - 140	2.151	11.4	25	
Benzo(a)pyrene	2.398	0.100	3.03	0	79.1	40 - 140	2.792	15.2	25	
Benzo(b)fluoranthene	2.428	0.100	3.03	0	80.1	40 - 140	2.181	10.7	25	
Benzo(g,h,i)perylene	2.363	0.100	3.03	0	78.0	40 - 140	2.583	8.91	25	
Benzo(k)fluoranthene	3.079	0.100	3.03	0	102	40 - 140	3.36	8.74	25	
Chrysene	3.505	0.100	3.03	0	116	40 - 140	3.389	3.38	25	
Dibenz(a,h)anthracene	2.289	0.100	3.03	0	75.5	40 - 140	2.587	12.2	25	
Dibenzofuran	2.914	0.100	3.03	0	96.2	40 - 140	3.14	7.46	25	
Fluoranthene	2.886	0.100	3.03	0	95.2	40 - 140	2.923	1.28	25	
Fluorene	2.834	0.100	3.03	0	93.5	40 - 140	3.101	9	25	
Indeno(1,2,3-cd)pyrene	2.739	0.100	3.03	0	90.4	40 - 140	3.085	11.9	25	
Naphthalene	2.872	0.100	3.03	0	94.8	40 - 140	2.999	4.35	25	
Phenanthrene	2.693	0.100	3.03	0	88.9	40 - 140	2.739	1.69	25	
Pyrene	2.767	0.100	3.03	0	91.3	40 - 140	2.672	3.49	25	
Surr: 2-Fluorobiphenyl	*2.71*	*0.100*	*3.03*	*0*	*89.4*	*32 - 130*	*2.874*	*5.88*	*25*	
Surr: 4-Terphenyl-d14	*2.808*	*0.100*	*3.03*	*0*	*92.7*	*40 - 135*	*3.061*	*8.61*	*25*	
Surr: Nitrobenzene-d5	*2.555*	*0.100*	*3.03*	*0*	*84.3*	*45 - 142*	*2.384*	*6.93*	*25*	

The following samples were analyzed in this batch: HS20110187-01

ALS Houston, US Date: 11-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K04003
WorkOrder: **HS20110187**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 11-Nov-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	PJLA L20-507	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2020-2021	31-Jul-2021
Kentucky	123043, 2020-2021	30-Apr-2021
Louisiana	03087, 2020-2021	30-Jun-2021
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2020-2021	30-Apr-2021
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 11-Nov-20

Sample Receipt Checklist

Work Order ID: HS20110187 **Date/Time Received:** 05-Nov-2020 09:30

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By:	/S/ Paresh M. Giga	05-Nov-2020 12:21	**Reviewed by:**	/S/ Bernadette A. Fini	05-Nov-2020 15:36
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:None
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.3C U/c	IR31	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	11/5/2020 12:25		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Project Name: SUBCONTRACT
Company Name: PBEL
Project #:
Company Address: 1400 Rankin HWY
Project Loc:
City/State/Zip: Midland Texas 79701
PO #:
Telephone No: 432-661-4184
Fax No:
Report Format: X Standard ☐ TRRP ☐ NPDES
Sampler Signature: N/A
e-mail: brentbarron@pbelab.com

(lab use only)
ORDER #:

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO3	HCl 2x 40mL VOA	H2SO4	NaOH/ZNAC 250 Poly 1	NaS2O3	None Poly 500mL 250mL Glass Amber 1000 500 mL	NaOH/ZnAc	Matrix: DW-Drinking Water SL-Sludge	GW - Groundwater S-Soil/Solid	NP-Non-Potable Specify Other	RCI	METALS RCRA 8 TCLP ICPMS/7471	COD-8000	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	BOD -405.1	8270C PAH LL	8260C SEMIVOLATILE	METHANOL 8015M	TOX 9020B	Triethylene Glycol 8015m	PH	24 HOUR RUSH	STANDARD + DAY
	0K04003-01			11/3/2020	16:00		3	X									W									X						X

HS20110187
Permian Basin Environmental Lab, LP
OK04003

Special Instructions:

Laboratory Comments:

Relinquished by: Brent Barron	Date 11/4/2020	Time 16:00	Received by:		Date	Time	Sample Containers Intact? Y N
Relinquished by:	Date	Time	Received by: JM	11/5/2020	Date	Time	VOCs Free of Headspace? Y N Labels on container(s) Y N Custody seals on container(s) Y N Custody seals on cooler(s) Y N Sample Hand Delivered Y N by Sampler/Client Rep. ? Y N by Courier? UPS DHL FedEx Lc
Relinquished by:	Date 11/5/2020	Time 1630	Received by:		Date	Time	Temperature Upon Receipt: Received: °C Adjusted: °C Factor

#31 Cf 0.0

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

PBELAB

Analytical Report

Prepared for:

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

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM

Lab Order Number: 0K18007

NELAP/TCEQ # T104704516-17-8

Report Date: 12/02/20

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAH	0K18007-01	Water	11/17/20 13:55	11-18-2020 12:49

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

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

PAH

0K18007-01 (Water)

Permian Basin Environmental Lab, L.P.

PAH compounds by Semivolatile GCMS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1-Methylnaphthalene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
2-Methylnaphthalene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Acenaphthene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Acenaphthylene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Anthracene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Benzo (a) anthracene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Benzo (a) pyrene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Chrysene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Dibenzofuran	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Fluoranthene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Fluorene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Naphthalene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Phenanthrene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13
Pyrene	ND	0.000099	mg/L	1	P0L0110	11/24/20	11/27/20	8270C	SUB-13

TRC Solutions- Midland, Texas	Project: 97-04	Fax: (432) 520-7701
10 Desta Dr STE 150E	Project Number: TNM 97-04	
Midland TX, 79705	Project Manager: Curt Stanley	

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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

Project: 97-04
Project Number: TNM 97-04
Project Manager: Curt Stanley

Fax: (432) 520-7701

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 12/2/2020

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley
Company Name: TRC Environmental Corporation
Company Address: 10 Desta Drive Suite 150E
City/State/Zip: Midland/TX/79705
Telephone No: (432)5207720
Fax No:
Sampler Signature:
e-mail: cdstanley@trcsolutions.com, cjbryant@paalp.com, algroves@paalp.com, sstanley@trcsolutions.com

Project Name: TNM: 97-04
Project #: TNM: 97-04
Project Loc: Lea County, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: OK18007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Polynuclear Aromatic Hydrocarbon	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	PAH	NA	NA	11/17/20	13:55		3	X								GW			X													X

Special Instructions:
Bill to Plains

Relinquished by:	Date	Time	Received by:	Date	Time
	11-18-20				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date: 11-18-20	Time: 1159

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 CF: 1.2

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

November 30, 2020

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

Work Order: **HS20111086**

Laboratory Results for: **0K18007**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Nov 20, 2020 for the analysis presented in the following report.

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

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

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

Sincerely,

Bernadette Fini

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

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
Work Order: HS20111086

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20111086-01	0K18007	Water		17-Nov-2020 13:55	20-Nov-2020 09:50	☐

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 0K18007
Work Order: HS20111086

GCMS Semivolatiles by Method SW8270

Batch ID: 160043

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

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
Sample ID: 0K18007
Collection Date: 17-Nov-2020 13:55

ANALYTICAL REPORT
WorkOrder:HS20111086
Lab ID:HS20111086-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 24-Nov-2020		Analyst: ACN
1-Methylnaphthalene	ND	n	0.0987	ug/L	1	27-Nov-2020 23:40
2-Methylnaphthalene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Acenaphthene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Acenaphthylene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Anthracene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Benz(a)anthracene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Benzo(a)pyrene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Benzo(b)fluoranthene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Benzo(g,h,i)perylene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Benzo(k)fluoranthene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Chrysene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Dibenz(a,h)anthracene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Dibenzofuran	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Fluoranthene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Fluorene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Indeno(1,2,3-cd)pyrene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Naphthalene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Phenanthrene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Pyrene	ND		0.0987	ug/L	1	27-Nov-2020 23:40
Surr: 2-Fluorobiphenyl	*84.1*		*32-130*	*%REC*	*1*	*27-Nov-2020 23:40*
Surr: 4-Terphenyl-d14	*90.6*		*40-135*	*%REC*	*1*	*27-Nov-2020 23:40*
Surr: Nitrobenzene-d5	*69.6*		*45-142*	*%REC*	*1*	*27-Nov-2020 23:40*

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

ALS Houston, US

Date: 30-Nov-20

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: HS20111086

Batch ID: 160043 **Start Date:** 24 Nov 2020 11:39 **End Date:**
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20111086-01	1	33.45 (mL)	2 (mL)	0.05979

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: HS20111086

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 160043 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS20111086-01	0K18007	17 Nov 2020 13:55		24 Nov 2020 11:39	27 Nov 2020 23:40	1

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: HS20111086

QC BATCH REPORT

Batch ID: 160043 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-160043** Units: **ug/L** Analysis Date: **27-Nov-2020 13:43**
Client ID: Run ID: **SV-6_373542** SeqNo: **5855137** PrepDate: **24-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Dibenzofuran	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	*2.658*	*0.100*	*3.03*	*0*	*87.7*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.558*	*0.100*	*3.03*	*0*	*84.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.644*	*0.100*	*3.03*	*0*	*87.3*	*45 - 142*				

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: HS20111086

QC BATCH REPORT

Batch ID: 160043 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-160043** Units: **ug/L** Analysis Date: **27-Nov-2020 14:02**
Client ID: Run ID: **SV-6_373542** SeqNo: **5855138** PrepDate: **24-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.938	0.100	3.03	0	97.0	40 - 140				
2-Methylnaphthalene	3.114	0.100	3.03	0	103	40 - 140				
Acenaphthene	2.977	0.100	3.03	0	98.3	40 - 140				
Acenaphthylene	2.885	0.100	3.03	0	95.2	40 - 140				
Anthracene	2.916	0.100	3.03	0	96.2	40 - 140				
Benz(a)anthracene	2.718	0.100	3.03	0	89.7	40 - 140				
Benzo(a)pyrene	2.498	0.100	3.03	0	82.5	40 - 140				
Benzo(b)fluoranthene	2.578	0.100	3.03	0	85.1	40 - 140				
Benzo(g,h,i)perylene	2.273	0.100	3.03	0	75.0	40 - 140				
Benzo(k)fluoranthene	2.463	0.100	3.03	0	81.3	40 - 140				
Chrysene	2.732	0.100	3.03	0	90.2	40 - 140				
Dibenz(a,h)anthracene	2.447	0.100	3.03	0	80.8	40 - 140				
Dibenzofuran	2.882	0.100	3.03	0	95.1	40 - 140				
Fluoranthene	2.919	0.100	3.03	0	96.4	40 - 140				
Fluorene	2.985	0.100	3.03	0	98.5	40 - 140				
Indeno(1,2,3-cd)pyrene	2.452	0.100	3.03	0	80.9	40 - 140				
Naphthalene	2.996	0.100	3.03	0	98.9	40 - 140				
Phenanthrene	2.943	0.100	3.03	0	97.1	40 - 140				
Pyrene	2.487	0.100	3.03	0	82.1	40 - 140				
Surr: 2-Fluorobiphenyl	*2.446*	*0.100*	*3.03*	*0*	*80.7*	*32 - 130*				
Surr: 4-Terphenyl-d14	*2.557*	*0.100*	*3.03*	*0*	*84.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.441*	*0.100*	*3.03*	*0*	*80.6*	*45 - 142*				

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: HS20111086

QC BATCH REPORT

Batch ID: 160043 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-160043** Units: **ug/L** Analysis Date: **27-Nov-2020 14:22**
Client ID: Run ID: **SV-6_373542** SeqNo: **5855139** PrepDate: **24-Nov-2020** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.986	0.100	3.03	0	98.5	40 - 140	2.938	1.61	25	
2-Methylnaphthalene	2.954	0.100	3.03	0	97.5	40 - 140	3.114	5.24	25	
Acenaphthene	2.945	0.100	3.03	0	97.2	40 - 140	2.977	1.08	25	
Acenaphthylene	3.011	0.100	3.03	0	99.4	40 - 140	2.885	4.28	25	
Anthracene	2.741	0.100	3.03	0	90.4	40 - 140	2.916	6.2	25	
Benz(a)anthracene	2.54	0.100	3.03	0	83.8	40 - 140	2.718	6.77	25	
Benzo(a)pyrene	2.428	0.100	3.03	0	80.1	40 - 140	2.498	2.85	25	
Benzo(b)fluoranthene	2.399	0.100	3.03	0	79.2	40 - 140	2.578	7.21	25	
Benzo(g,h,i)perylene	2.19	0.100	3.03	0	72.3	40 - 140	2.273	3.76	25	
Benzo(k)fluoranthene	2.286	0.100	3.03	0	75.4	40 - 140	2.463	7.48	25	
Chrysene	2.613	0.100	3.03	0	86.3	40 - 140	2.732	4.43	25	
Dibenz(a,h)anthracene	2.411	0.100	3.03	0	79.6	40 - 140	2.447	1.47	25	
Dibenzofuran	2.739	0.100	3.03	0	90.4	40 - 140	2.882	5.11	25	
Fluoranthene	2.84	0.100	3.03	0	93.7	40 - 140	2.919	2.77	25	
Fluorene	2.932	0.100	3.03	0	96.8	40 - 140	2.985	1.77	25	
Indeno(1,2,3-cd)pyrene	2.337	0.100	3.03	0	77.1	40 - 140	2.452	4.79	25	
Naphthalene	2.864	0.100	3.03	0	94.5	40 - 140	2.996	4.51	25	
Phenanthrene	2.845	0.100	3.03	0	93.9	40 - 140	2.943	3.38	25	
Pyrene	2.382	0.100	3.03	0	78.6	40 - 140	2.487	4.32	25	
Surr: 2-Fluorobiphenyl	*2.414*	*0.100*	*3.03*	*0*	*79.7*	*32 - 130*	*2.446*	*1.31*	*25*	
Surr: 4-Terphenyl-d14	*2.368*	*0.100*	*3.03*	*0*	*78.2*	*40 - 135*	*2.557*	*7.66*	*25*	
Surr: Nitrobenzene-d5	*2.464*	*0.100*	*3.03*	*0*	*81.3*	*45 - 142*	*2.441*	*0.912*	*25*	

The following samples were analyzed in this batch: HS20111086-01

ALS Houston, US Date: 30-Nov-20

Client: Permian Basin Environmental Lab, LP
Project: 0K18007
WorkOrder: **HS20111086**

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 30-Nov-20

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	20-030-0	26-Mar-2021
California	2919, 2020-2021	30-Apr-2021
Dept of Defense	PJLA L20-507	22-Dec-2021
Florida	E87611-30-07/01/2020	30-Jun-2021
Illinois	2000322020-4	09-May-2021
Kansas	E-10352 2020-2021	31-Jul-2021
Kentucky	123043, 2020-2021	30-Apr-2021
Louisiana	03087, 2020-2021	30-Jun-2021
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2020-2021	30-Apr-2021
Texas	T104704231-20-26	30-Apr-2021

ALS Houston, US Date: 30-Nov-20

Sample Receipt Checklist

Work Order ID: HS20111086 **Date/Time Received:** 20-Nov-2020 09:50

Client Name: Permian Basin Lab **Received by:** Jared R. Makan

Completed By:	/S/ Jared R. Makan	20-Nov-2020 14:44	**Reviewed by:**	/S/ Bernadette A. Fini	20-Nov-2020 16:22
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **FedEx Standard Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.6°C/2.6°C UC/C	IR31	
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	11/20/2020 14:45		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDE

(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_3	HCl 2x 40mL VOA	H_2SO_4	NaOH/ZNAC 250 Poly 1	$Na_2S_2O_3$	None Poly 500ml 250ml / Glass Amber 1000 500 mL	NaOH/ZnAc	Matrix (DW=Drinking Water SL=Sludge, GW=Groundwater S=Soil/Solid, NP=Non-Potable Specify Other)	RCI	METALS RCRA 8 TCLP ICPMS/7471	COD 8000	TCLP BENZENE	NORM-COMPLETE	8260B COMPLETE LIST	SOLIDS-TSS 160.2	8270C PAH LL	8260C SEMIVOLATILE	METHANOL 8015M	TOX 9020B	Triethylene Glycol 8015m	CYANIDE 9010B	24 HOUR RUSH	STANDARD 4 DAY
	0K18007-01			11/17/2020	13:55		3	X								W								X							X

(Preservation & # of Containers; Analyze For:)

HS20111086
Permian Basin Environmental Lab, LP
0K18007

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	11/19/2020	16:00			
Relinquished by:	Date	Time	Received by: J. Linterman	11/20/20	09:50
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 by Sampler/Client Rep ?	Y	N
by Courier? UPS DHL FedEx	Y	N

Temperature Upon Receipt:
Received: 2.6 °C
Adjusted: 0 °C Factor

Color -Red

Red

FedEx
TRK# 8162 7383 1220
0201

FRI - 20 NOV AA
STANDARD OVERNIGHT

AB SGRA

Red

77099
TX-US
IAH

Appendix B
Release Notification and Corrective Action
(Form C-141)

DISTRICT I
P.O. BOX 1980, HOBBS, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

DISTRICT II
P.O. DRAWER DD, ARTESIA, NM 88211-0719

OIL CONSERVATION DIVISION

TNM-97-04

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Initial Report

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR: Texas-New Mexico Pipe Line Company			ADDRESS: P. O. Box 60028, San Angelo, TX 76906				TELEPHONE: (915) 947-9000
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*
FACILITY NAME: 4" gathering line							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage: SW/4 SW/4 SE/4 SE/4			SEC. ~~10~~ 11	TWP. ~~11S~~ 16S	RGE. 35E		COUNTY Lea
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK: 2 miles west of Lovington							
DATE AND HOUR OF OCCURRENCE: Unknown			DATE AND HOUR OF DISCOVERY: April 16, 1997 4:00 p.m.				
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT REQUIRED X	IF YES, TO WHOM: Wayne Price			
BY WHOM: B. D. Chapman (reported that quantity may be more than 10 barrels)				DATE AND HOUR: April 25, 1997 9:00 a.m.			
TYPE OF FLUID LOST: Sweet Crude			QUANTITY OF LOSS: Unknown (*see note below)		VOLUME RECOVERED: None		
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**

External Corrosion. Leak successfully clamped off.

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**

Approximately 1500 sq.ft. pasture land. Will remediate on site.

*Originally estimated at 10 barrels. Under investigation. An amended report will be issued when quantity is determined.

DESCRIPTION OF AREA	FARMING	GRAZING X	URBAN	OTHER*			
SURFACE CONDITION	SANDY	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**

75 degrees; clear

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED: PRINTED NAME AND TITLE: Edwin H. Gripp, District Manager DATE: April 25, 1997

*SPECIFY

**ATTACH ADDITIONAL SHEETS IF NECESSARY

State Corp. Commission
Pipe Line Division

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04 BDC

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 22918

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay St, Ste 1600 Houston, TX 77002	OGRID: 34053
	Action Number: 22918
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor anticipated actions approved by OCD and are as follows; 1. Continue operation of the Enhanced Recovery System during 2021 2. Continue collecting “post carbon” monthly effluent water samples for concentrations of NMWQCC metals 3. Continue with PSH recovery, quarterly groundwater monitoring/sampling, and monthly Recovery System sampling in 2021 4. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022	1/11/2022