2022 Annual Groundwater Monitoring Report

Denton Station
Plains SRS #2003-00338
Lea County, New Mexico
NMOCD Remediation Permit No. 1RP-0234
Incident ID #: nAPP2108927757

Plains All American Pipeline, L.P.

March 21, 2023

→ **The Power of Commitment**

Review of the 2022 Annual Groundwater Monitoring Report for Denton Station (1RP-0234): **Content Satisfactory**
1. Continue to conduct quarterly monitoring for all wells with sufficient volume.
2. Please submit permits for wells to be P&A'd or submit a P&A work plan if NMOCD signature is required and not the OSE.
3. Please upload all permits for P&A work completed and well installation work.
4. Continue to submit all annual reporting requirements by April 1, 2024.

Contents

Table index

Figure index

Appendices

1. Introduction

GHD Services, Inc. (GHD), on behalf of Plains All American Pipeline, L.P. (Plains), submits this *2022 Annual Groundwater Monitoring Report* in compliance with New Mexico Oil Conservation Division (NMOCD) requirements. This report provides the quarterly results of groundwater sampling events and remediation activities completed at Denton Station (Site) during 2022. Quarterly groundwater monitoring events were performed on February 7 - 8, 2022, May 3, 2022, August 22 - 23, 2022, and November 11, 2022.

1.1 Site Location History

The Site is located approximately 12 miles northeast of Lovington and in the SE ¼, NE ¼, Section 14, Township 15 South, Range 37 East in Lea County, New Mexico. The coordinates of this Site are 33.0176° N and 103.1625° W. The property affected by the release is currently managed by Plains. The location of the Site is shown on Figure 1. A detailed map of the Site is provided on Figure 2.

The Site was formerly the responsibility of Shell Pipeline Corporation. Monitoring and remediation at the Site is currently the responsibility of Plains. The release was reportedly from a former crude oil tank battery located to the northwest of the fenced facility located at the Site. On April 1, 2007, Nova Testing and Environmental (NOVA) assumed project management and remediation responsibilities. Conestoga Rovers and Associates, Inc (CRA) (currently known as GHD Services, Inc. [GHD]) assumed Site groundwater project management and remediation responsibilities on May 2, 2011. Results of groundwater monitoring events and light non-aqueous phase liquid (LNAPL) recovery prior to May 2, 2011 were provided by Plains.

Currently, the Site has a network of 16 groundwater monitoring wells (MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, MW-15, MW-17, MW-18, MW-19, and MW-20), which are monitored quarterly to delineate the extent and evaluate the concentrations of contaminants of concern (COCs) in impacted groundwater. All Site monitoring wells were installed with NMOCD approval. The COCs are benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAH), which includes benzo(a)pyrene, total naphthalene, and combined monomethylnapthalenes (1-methylnapthalenes and 2-methylnapthalenes). Past assessment and cleanup activities have included monitoring well installations resulting in the 16 groundwater monitoring wells at the Site.

On September 16, 2014, GHD provided oversight of the plugging and abandonment of three (3) monitoring wells (MW-1, MW-2, MW-3), and one (1) out-of-service water well (WW-1), which had been gauged dry during previous monitoring events. Between September 17 and October 7, 2014, GHD provided oversight of the drilling and installation of three (3) monitoring wells (MW-1R, MW-2R, and MW-3R) to replace the three (3) respective plugged and abandoned wells and maintain plume delineation. On February 19, 2020, GHD provided oversight of the plugging and abandonment of four (4) monitoring wells (MW-11, MW-13, MW-14, and MW-16). Between March 3 and April 15, 2020, GHD provided oversight of the drilling and installation of three (3) monitoring wells (MW-18, MW-19, and MW-20) to further delineate groundwater conditions of the Site. A detailed map of the Site with monitoring well locations depicted is provided on Figure 2.

2. Regulatory Framework

The NMOCD has regulatory jurisdiction over oil and gas production operations and remediation of spills of crude oil in the State of New Mexico. NMOCD Groundwater Delineation and Remediation Limit guidelines require groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards as outlined in the New Mexico Administration Code 20.6.2.3103 Section A. The COCs in affected groundwater at the Site are BTEX and PAH. In this Report, groundwater analytical results for the COCs are

compared to the NMWQCC standards. For PAH compounds with an undefined NMWQCC standard, the NMOCD requires a concentration of 0.001 milligram per Liter (mg/L) or less.

Table 1 NMWQCC Human Health Standards

Contaminants of Concern	Standards
Benzene	0.01 mg/L
Toluene	0.75 mg/L
Ethylbenzene	0.75 mg/L
Total Xylenes	0.62 mg/L
Benzo(a)pyrene	0.0002 mg/L
Total Naphthalene, 1-Monomethylnaphthalene, and 2-Monomethylnaphthalene	0.03 mg/L

3. Groundwater Monitoring

3.1 Groundwater Monitoring Methodology

The Site's groundwater conditions were monitored quarterly during 2022. The four (4) monitoring well gauging, purging, and sampling events were conducted on February 7 - 8, 2022, May 3, 2022, August 22 - 23, 2022, and November 11, 2022. Static fluid levels were gauged with an oil-water interface probe to the nearest hundredth of a foot and recorded. Monitoring wells gauged with a measurable thickness (>0.01 foot [ft.]) of LNAPL were not purged or sampled. A summary of measured depths to groundwater, measured depths to LNAPL, LNAPL thickness, and calculated groundwater elevations are provided in Table 1. All non-disposable groundwater gauging equipment was decontaminated with Alconox® and potable water; rinsed with potable water; and rinsed again with deionized water prior to gauging and between wells.

Hand-bailing, using clean disposable polyvinyl chloride (PVC) bailers, was used to purge groundwater from each well. The hand-bailing process continued until three (3) water column volumes of groundwater were removed.

After purging each monitoring well, a sample of groundwater was collected using the PVC bailer. Laboratory-supplied containers were filled with groundwater directly from the PVC bailer. The collected samples were labeled with corresponding well information and immediately placed on ice and chilled to a temperature of approximately 4 degrees Celsius (°C) (40 degrees Fahrenheit [°F]). Included in the cooler for quality assurance and quality control (QA/QC) were Duplicate and Trip Blank samples. Proper chain-of-custody documentation accompanied samples to Pace Analytical Laboratory in Mt. Juliet, Tennessee. Samples collected for each quarterly monitoring event were submitted for analysis of BTEX by Environmental Protection Agency (EPA) Method SW846-8021B.

During the fourth quarterly monitoring event, monitoring wells which had not met previously met the criteria of two (2) consecutive years of PAH compound below the NMWQCC standards and below 0.001 mg/L for PAH compounds with an undefined NMWCC standard were analyzed for PAH by EPA Method SW846-8270C-SIM, as required by the NMOCD. Three (3) monitoring wells (MW-3R, MW-7 and MW-17) groundwater samples were submitted for analysis of PAH. Purged water recovered during the monitoring events was disposed into the Site's above-ground storage tank (AST) pending disposal. Purge water was periodically transported off-Site to and disposed of at a NMOCD-approved disposal facility as directed by Plains. Disposal records are available upon request.

3.2 The Potentiometric Surface and Gradient

The direction of groundwater flow was generally southeast during the quarterly gauging events. The average gradient of the potentiometric surface during 2022 was 0.002 feet/foot (ft./ft.), which indicates the average gradient remained the same between November 2021 and November 2022. Magnitudes and direction of these gradients were similar to those recorded during previous monitoring events. Measured depths to groundwater and calculated elevations of the potentiometric surface recorded during 2022 are provided in Table 1.

All monitoring wells exhibited net declines in elevation of the potentiometric surface between November 2021 and November 2022. The annual evaluation of the potentiometric surface indicates groundwater elevations have declined an average of 0.74 ft. between November 2021 and November 2022. The changes in the groundwater gradients and levels may be attributed to seasonal weather fluctuations. Potentiometric surface maps for the quarterly monitoring events are depicted on Figures 3, 4, 5, and 6. A summary of the Site's groundwater gauging and elevation data collected from 2017 through 2022 is tabulated in Table 1.

3.3 Presence of Light Non-Aqueous Phase Liquid (LNAPL)

Measurable thicknesses of LNAPL were found in monitoring well MW-3R (0.12 ft. and 0.01 ft.) during the first and second quarterly monitoring events and in monitoring well MW-7 (0.04 ft.) during the first quarterly monitoring event. The respective LNAPL thicknesses measured during the two (2) quarterly gauging events are provided in Table 1 and on Figure 7 and Figure 8.

3.4 Dissolve-Phase Hydrocarbons in Groundwater

All BTEX analytical results for the quarterly groundwater sampling events were compared to the NMWQCC Human Health Standard criteria. The analytical results for all Site monitoring wells for each respective quarterly sampling event are included in Table 2. Maps depicting analytical results are provided as Figure 7, Figure 8, Figure 9, and Figure 10.

Monitoring wells MW-8 and MW-9 were not purged and sampled during all quarterly monitoring events due to NMOCD approved a reduced sampling schedule. Monitoring well MW-8 was sampled annually (first quarter) and monitoring well MW-9 was sampled semi-annually (first and third quarters).

3.4.1 First Quarter Summary

GHD conducted the first quarterly groundwater gauging, purging, and sampling event on February 7 - 8, 2022. Monitoring well MW-10 exhibited a water column of <1.0 ft. and was considered dry and monitoring well MW-15 was gauged dry. Measurable thicknesses of LNAPL were gauged in monitoring wells MW-3R (0.12 ft.) and MW-7 (0.04 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-4, MW-5, MW-6, MW-8, MW-9, MW-12, MW-17, MW-18, MW-19, and MW-20. Approximately 127 gallons of groundwater was purged and disposed of in the on-Site AST. Analytical results indicated a benzene concentration above 0.01 mg/L in monitoring well MW-17. The analytical results indicated toluene, ethylbenzene, or total xylene concentrations were below NMWQCC criteria in monitoring well MW-17. Results for the analyses of the initial and field duplicate groundwater samples were not significantly different. A copy of the Certified Laboratory Analytical Report is attached as Appendix A.

3.4.2 Second Quarter Summary

GHD conducted the second quarterly groundwater gauging, purging, and sampling event on May 3, 2022. Monitoring well MW-10 exhibited a water column of <1.0 ft. and was considered dry and monitoring well MW-15 was gauged dry. A measurable thickness of LNAPL was gauged in monitoring well MW-3R (0.01 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-4, MW-5, MW-6, MW-12, MW-17, MW-18, MW-19, and MW-20. On May 12, 2022, monitoring well MW-7, which was gauged with no measurable LNAPL thickness during the May 3, 2022, gauging event was purged and a groundwater sample was collected. Approximately 80 gallons of groundwater was purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations above

0.01 mg/L in monitoring wells MW-7 and MW-17 and a concentration of total xylenes above 0.62 mg/L in monitoring well MW-7. The analytical results indicated the toluene, ethylbenzene, or total xylene concentrations were below NMWQCC criteria for monitoring well MW-17. No field duplicate sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix A.

3.4.3 Third Quarter Summary

GHD conducted the third quarterly groundwater gauging, purging, and sampling event on August 22 - 23, 2022. Monitoring well MW-10 exhibited a water column of <1.0 ft. and was considered dry and monitoring MW-15 was gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-9, MW-12, MW-17, MW-18, MW-19, and MW-20. Approximately 114 gallons of groundwater was purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in monitoring wells MW-3R, MW-7, and MW-17. The analytical results indicated toluene, ethylbenzene, or total xylenes concentrations were below NMWQCC criteria for each respective monitoring well. No field duplicate sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix A.

3.4.4 Fourth Quarter Summary

GHD conducted the fourth quarterly groundwater gauging, purging, and sampling event on November 11, 2022. Monitoring wells MW-10 and MW-15 were gauged dry. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-12, MW-17, MW-18, MW-19, and MW-20. Approximately 118 gallons of groundwater was purged and disposed of in the on-site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in monitoring wells MW-3R, MW-7, and MW-17 and concentrations of total xylenes above 0.62 mg/L in monitoring wells MW-3R and MW-7. The analytical results indicated the toluene and ethylbenzene concentrations were below NMWQCC criteria for monitoring wells MW-3R and MW-7 and toluene, ethylbenzene, and total xylenes concentrations were below NMWQCC criteria for monitoring well MW-17. Analytical results for the initial and field duplicate samples collected from monitoring well MW-3R were not significantly different. A copy of the Certified Laboratory Analytical Report is attached as Appendix A.

In addition, groundwater samples from monitoring wells MW-3R, MW-7, and MW-17 were analyzed for PAH. Analytical results for monitoring wells MW-3R and MW-7 indicated exceedances of total naphthalene, 1-monomethylnaphthalene, and 2-monomethylnaphthalene above NMWQCC criteria and exceedances above 0.001 mg/L for dibenzofuran, fluorene, phenanthrene. Analytical results for monitoring well MW-17 indicated an exceedance above 0.001 mg/L for phenanthrene. A summary of PAH analytical results is provided in Table 3. A copy of the Certified Laboratory Analytical Report is attached as Appendix A.

4. Remediation Activities

GHD conducted routine operation and maintenance (O&M) for monitoring wells with measurable thicknesses of LNAPL and BTEX exceeding NMWQCC criteria.

LNAPL and impacted groundwater recovery was conducted via enhanced fluid recovery (EFR). Three (3) EFR events were conducted during 2022. One (1) EFR event was conducted on monitoring wells MW-3R and MW-7 during the first quarter. Two (2) EFR events were conducted on monitoring well MW-3R during the second and fourth quarters. Approximately 1,764 gallons of total fluids were removed during the EFR events in 2022. All fluids recovered from the EFR events were transferred to a vacuum truck and disposed of at a NMOCD licensed disposal facility.

Weekly groundwater BTEX abatement was initiated via hand bailing in September for monitoring wells MW-3R, MW-7, and MW-17. Approximately 49 gallons of groundwater was recovered during 2022.

5. Summary of Findings

Based on quarterly groundwater monitoring and events remedial activities performed in 2022, the following summary of findings is presented:

- Measurable LNAPL thicknesses were measured on the groundwater in monitoring wells MW-3R and MW-7 during the first quarterly monitoring event and in monitoring well MW-3R during the second quarterly event. No measurable LNAPL thickness was measured during the third and fourth quarterly events. The LNAPL thickness in monitoring well MW-3R has decreased from 0.12 ft. in February to no measurable thickness in August. The LNAPL thickness in monitoring well MW-7 has decreased from 0.04 ft. in February to no measurable thickness in May.
- Monitoring well MW-10 exhibited <1.0 ft. of water column during the first, second, and third quarterly events and was gauged dry during the fourth quarterly event. MW-15 was gauged dry throughout 2022.
- The groundwater flow direction was generally to the southeast during the quarterly events. The average gradient of the potentiometric surface during 2022 was 0.002 ft./ft.
- The potentiometric surface indicated groundwater elevations have declined an average of 0.74 ft. between November 2021 and November 2022. Fluctuations in the elevation of the potentiometric surface may be attributed to seasonal weather conditions.
- 12 monitoring wells were purged and sampled using a hand bailer and submitted to the laboratory for determination of the BTEX concentrations during the first and second quarterly events. 13 monitoring wells were purged and sampled using a hand bailer and submitted to the laboratory for determination of the BTEX concentration during the third quarterly event. 14 monitoring wells were purged and sampled using a hand bailer and submitted to the laboratory for determination of the BTEX concentration during the fourth quarterly event.
- Benzene concentrations were above the NMWQCC criteria for monitoring well MW-17 during the first quarterly event, for monitoring wells MW-7 and MW-17 during the second quarterly event, and for monitoring wells MW-3R, MW-7, and MW-17 during the third and fourth quarterly events.
- Total xylenes concentrations were above the NMWQCC criteria for monitoring well MW-7 during the first and fourth quarterly events and for monitoring well MW-3R during the fourth quarterly event.
- Annual PAH analysis for monitoring wells MW-3R and MW-7 indicated concentrations of total naphthalene, 1-monomethylnaphthalene, and 2-monomethylnaphthalene were above NMWQCC criteria. Dibenzofuran, fluorene, and phenanthrene exhibited exceedances above 0.001 mg/L for. Annual PAH analysis for monitoring well MW-17 indicated a phenanthrene concentration exceedance above 0.001 mg/L.
- Weekly BTEX abatement was conducted during the second half of 2022.
- Three (3) EFR events were conducted at monitoring wells MW-3R and MW-7 during 2022.

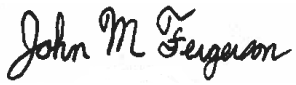
6. Conclusions and Recommendations

Based upon the data and findings presented in this Report, the following are recommended for 2023:

- Continue NMOCD-approved quarterly groundwater monitoring events, including sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells and annual sampling of groundwater for PAH analysis by EPA Method SW846-8270C-SIM on monitoring wells MW-3R, MW-7, and MW-17.
- Continue weekly BTEX abatement in monitoring wells monitoring wells MW-3R, MW-7, and MW-17.
- Complete and deliver a Work Plan for the plugging and abandonment of monitoring wells MW-10 and MW-15 and the installation of replacement monitoring wells to evaluate groundwater conditions and maintain plume delineation.

All of Which is Respectfully Submitted,

GHD



John Fergerson
Project Director

JT Murrey
Project Scientist

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-1R	1/10/17	3780.37	--	--	0.00	--	--
MW-1R	1/24/17	3780.37	--	--	0.00	--	--
MW-1R	2/8/17	3780.37	--	--	0.00	--	--
MW-1R	2/27/17	3780.37	63.32	--	0.00	3717.05	76.18
MW-1R	3/1/17	3780.37	--	--	0.00	--	--
MW-1R	4/3/17	3780.37	--	--	0.00	--	--
MW-1R	5/16/17	3780.37	--	--	0.00	--	--
MW-1R	5/30/17	3780.37	63.56	--	0.00	3716.81	76.20
MW-1R	6/1/17	3780.37	--	--	0.00	--	--
MW-1R	6/13/17	3780.37	--	--	0.00	--	--
MW-1R	6/28/17	3782.75	--	--	0.00	--	--
MW-1R	7/5/17	3782.75	--	--	0.00	--	--
MW-1R	7/14/17	3782.75	--	--	0.00	--	--
MW-1R	8/31/17	3782.75	--	--	0.00	--	--
MW-1R	9/5/17	3782.75	--	--	0.00	--	--
MW-1R	11/28/17	3782.75	63.90	--	0.00	3718.85	67.43
MW-1R	11/30/17	3782.75	--	--	0.00	--	--
MW-1R	12/12/17	3782.75	--	--	0.00	--	--
MW-1R	2/15/18	3782.75	--	--	0.00	--	--
MW-1R	2/26/18	3782.75	64.02	--	0.00	3718.73	67.96
MW-1R	3/2/18	3782.75	--	--	0.00	--	--
MW-1R	5/29/18	3782.75	64.15	--	0.00	3718.60	67.91
MW-1R	5/30/18	3782.75	--	--	0.00	--	--
MW-1R	8/29/18	3782.75	64.34	--	0.00	3718.41	67.96
MW-1R	11/26/18	3782.75	64.55	--	0.00	3718.20	--
MW-1R	2/25/19	3782.75	64.72	--	0.00	3718.03	--
MW-1R	2/27/19	3782.75	--	--	0.00	--	--
MW-1R	5/20/19	3782.75	64.85	--	0.00	3717.90	--
MW-1R	5/21/19	3782.75	--	--	0.00	--	--
MW-1R	6/11/19	3782.75	--	--	0.00	--	--
MW-1R	7/23/19	3782.75	63.97	--	0.00	3718.78	--
MW-1R	7/26/19	3782.75	--	--	0.00	--	--
MW-1R	8/21/19	3782.75	--	--	0.00	--	--
MW-1R	7/31/19	3782.75	65.00	--	0.00	3717.75	--
MW-1R	9/3/19	3782.75	--	--	0.00	--	--
MW-1R	9/11/19	3782.75	--	--	0.00	--	--
MW-1R	10/22/19	3782.75	65.12	--	0.00	3717.63	--
MW-1R	2/10/20	3782.75	65.36	--	0.00	3717.39	68.50
MW-1R	3/18/20	3782.75	--	--	0.00	--	--
MW-1R	4/27/20	3782.75	65.49	--	0.00	3717.26	--
MW-1R	5/11/20	3782.75	65.51	--	0.00	3717.24	--
MW-1R	6/18/20	3782.75	65.60	--	0.00	3717.15	--
MW-1R	7/27/20	3782.75	65.66	--	0.00	3717.09	--
MW-1R	8/27/20	3782.75	65.71	--	0.00	3717.04	--
MW-1R	9/15/20	3782.75	65.75	--	0.00	3717.00	--
MW-1R	10/29/20	3782.75	65.86	--	0.00	3716.89	--
MW-1R	12/11/20	3782.75	65.95	--	0.00	3716.80	--
MW-1R	1/26/21	3782.75	66.04	--	0.00	3716.71	--
MW-1R	2/8/21	3782.75	66.07	--	0.00	3716.68	69.85
MW-1R	3/23/21	3782.75	66.11	--	0.00	3716.64	--
MW-1R	4/26/21	3782.75	66.18	--	0.00	3716.57	--
MW-1R	5/10/21	3782.75	66.22	--	0.00	3716.53	--
MW-1R	7/28/21	3782.75	66.39	--	0.00	3716.36	--
MW-1R	8/11/21	3782.75	66.41	--	0.00	3716.34	--
MW-1R	9/27/21	3782.75	66.47	--	0.00	3716.28	69.85
MW-1R	10/26/21	3782.75	66.52	--	0.00	3716.23	69.85
MW-1R	11/8/21	3782.75	66.54	--	0.00	3716.21	69.85
MW-1R	1/25/22	3782.75	--	--	0.00	--	69.85
MW-1R	2/8/22	3782.75	66.75	--	0.00	3716.00	70.10
MW-1R	3/14/22	3782.75	66.82	--	0.00	3715.93	70.10
MW-1R	4/15/22	3782.75	66.95	--	0.00	3715.80	70.10
MW-1R	5/3/22	3782.75	66.91	--	0.00	3715.84	70.10
MW-1R	6/13/22	3782.75	66.98	--	0.00	3715.77	70.10
MW-1R	7/25/22	3782.75	67.06	--	0.00	3715.69	70.10
MW-1R	8/22/22	3782.75	67.12	--	0.00	3715.63	70.10
MW-1R	11/11/22	3782.75	67.26	--	0.00	3715.49	70.10
MW-2R	2/27/17	3781.82	64.98	--	0.00	3716.84	80.06
MW-2R	3/1/17	3781.82	--	--	0.00	--	--
MW-2R	5/2/17	3781.82	--	--	0.00	--	--
MW-2R	5/30/17	3781.82	65.17	--	0.00	3716.65	79.88

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-2R	6/1/17	3781.82	--	--	0.00	--	--
MW-2R	8/31/17	3784.17	65.34	--	0.00	3718.83	79.95
MW-2R	11/28/17	3784.17	65.49	--	0.00	3718.68	79.88
MW-2R	11/30/17	3784.17	--	--	0.00	--	--
MW-2R	2/26/18	3784.17	65.63	--	0.00	3718.54	79.81
MW-2R	3/2/18	3784.17	--	--	0.00	--	--
MW-2R	5/29/18	3784.17	65.75	--	0.00	3718.42	79.74
MW-2R	5/30/18	3784.17	--	--	0.00	--	--
MW-2R	8/29/18	3784.17	65.94	--	0.00	3718.23	79.60
MW-2R	11/26/18	3784.17	66.14	--	0.00	3718.03	--
MW-2R	2/25/19	3784.17	66.31	--	0.00	3717.86	--
MW-2R	2/27/19	3784.17	--	--	0.00	--	--
MW-2R	5/20/19	3784.17	66.45	--	0.00	3717.72	--
MW-2R	5/21/19	3784.17	--	--	0.00	--	--
MW-2R	7/23/19	3784.17	66.55	--	0.00	3717.62	--
MW-2R	7/26/19	3784.17	--	--	0.00	--	--
MW-2R	10/22/19	3784.17	66.75	--	0.00	3717.42	--
MW-2R	2/10/20	3784.17	66.96	--	0.00	3717.21	79.80
MW-2R	4/27/20	3784.17	67.10	--	0.00	3717.07	--
MW-2R	5/11/20	3784.17	67.12	--	0.00	3717.05	--
MW-2R	6/18/20	3784.17	67.20	--	0.00	3716.97	--
MW-2R	7/27/20	3784.17	67.25	--	0.00	3716.92	--
MW-2R	8/27/20	3784.17	67.32	--	0.00	3716.85	--
MW-2R	9/15/20	3784.17	67.36	--	0.00	3716.81	--
MW-2R	10/29/20	3784.17	67.47	--	0.00	3716.70	--
MW-2R	12/11/20	3784.17	67.53	--	0.00	3716.64	--
MW-2R	1/26/21	3784.17	67.64	--	0.00	3716.53	--
MW-2R	2/8/21	3784.17	67.63	--	0.00	3716.54	79.78
MW-2R	3/23/21	3784.17	67.72	--	0.00	3716.45	--
MW-2R	4/26/21	3784.17	67.78	--	0.00	3716.39	--
MW-2R	5/10/21	3784.17	67.83	--	0.00	3716.34	--
MW-2R	7/28/21	3784.17	67.97	--	0.00	3716.20	--
MW-2R	8/11/21	3784.17	68.00	--	0.00	3716.17	--
MW-2R	9/27/21	3784.17	68.08	--	0.00	3716.09	79.78
MW-2R	10/26/21	3784.17	68.12	--	0.00	3716.05	79.78
MW-2R	11/8/21	3784.17	68.14	--	0.00	3716.03	79.78
MW-2R	1/25/22	3784.17	68.32	--	0.00	3715.85	79.78
MW-2R	2/8/22	3784.17	68.33	--	0.00	3715.84	79.85
MW-2R	3/14/22	3784.17	68.90	--	0.00	3715.27	79.85
MW-2R	4/15/22	3784.17	68.52	--	0.00	3715.65	79.85
MW-2R	5/3/22	3784.17	68.50	--	0.00	3715.67	79.85
MW-2R	6/3/22	3784.17	68.59	--	0.00	3715.58	79.85
MW-2R	7/25/22	3784.17	68.66	--	0.00	3715.51	79.85
MW-2R	8/22/22	3784.17	68.73	--	0.00	3715.44	79.85
MW-2R	11/11/22	3784.17	68.87	--	0.00	3715.30	79.85
MW-3R	2/27/17	3783.67	66.56	66.31	0.25	3717.31	--
MW-3R	5/10/17	3783.67	--	--	--	--	--
MW-3R	5/30/17	3783.67	67.12	66.38	0.74	3717.15	--
MW-3R	6/1/17	3783.67	--	--	--	--	--
MW-3R	6/5/17	3783.67	--	--	--	--	--
MW-3R	6/13/17	3783.67	--	--	--	--	--
MW-3R	6/30/17	3786.00	--	--	--	--	--
MW-3R	7/5/17	3786.00	--	--	--	--	--
MW-3R	7/14/17	3786.00	--	--	--	--	--
MW-3R	7/26/17	3786.00	--	--	--	--	--
MW-3R	8/31/17	3786.00	67.10	66.61	0.49	3719.30	
MW-3R	10/18/17	3786.00	--	--	--	--	--
MW-3R	11/15/17	3786.00	--	--	--	--	--
MW-3R	11/29/17	3786.00	66.95	66.79	0.16	3719.18	
MW-3R	12/12/17	3786.00	--	--	--	--	--
MW-3R	1/17/18	3786.00	--	--	--	--	--
MW-3R	2/15/18	3786.00	--	--	--	--	--
MW-3R	2/26/18	3786.00	67.08	66.98	0.10	3719.00	79.93
MW-3R	5/1/18	3786.00	--	--	--	--	--
MW-3R	5/29/18	3786.00	67.43	67.10	0.33	3718.84	79.93
MW-3R	8/29/18	3786.00	67.46	67.24	0.22	3718.72	79.93
MW-3R	10/17/18	3786.00	67.79	67.37	0.42	3718.55	--
MW-3R	12/11/18	3786.00	67.87	67.47	0.40	3718.45	--
MW-3R	1/23/19	3786.00	67.96	67.55	0.41	3718.37	--
MW-3R	2/25/19	3786.00	67.86	67.62	0.24	3718.33	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-3R	2/27/19	3786.00	--	--	--	--	--
MW-3R	4/30/19	3786.00	67.95	67.76	0.19	3718.20	--
MW-3R	5/20/19	3786.00	67.89	67.79	0.10	3718.19	--
MW-3R	6/5/19	3786.00	--	--	--	--	--
MW-3R	6/11/19	3786.00	--	--	--	--	--
MW-3R	6/19/19	3786.00	67.92	67.87	0.05	3718.12	--
MW-3R	7/23/19	3786.00	68.05	67.92	0.13	3718.06	--
MW-3R	7/31/19	3786.00	--	--	--	--	--
MW-3R	8/21/19	3786.00	--	--	--	--	--
MW-3R	9/18/19	3786.00	68.01	67.84	0.17	3718.13	--
MW-3R	10/22/19	3786.00	68.22	68.08	0.14	3717.89	--
MW-3R	11/26/19	3786.00	68.32	68.14	0.18	3717.83	--
MW-3R	12/11/19	3786.00	68.27	68.22	0.05	3717.77	--
MW-3R	1/22/20	3786.00	68.47	68.27	0.20	3717.69	--
MW-3R	2/10/20	3786.00	68.45	68.30	0.15	3717.67	79.79
MW-3R	2/26/20	3786.00	68.54	68.34	0.20	3717.62	--
MW-3R	4/27/20	3786.00	68.57	68.41	0.16	3717.56	--
MW-3R	5/11/20	3786.00	68.63	68.44	0.19	3717.52	--
MW-3R	5/22/20	3786.00	68.67	68.45	0.22	3717.51	--
MW-3R	6/18/20	3786.00	68.64	68.50	0.14	3717.47	--
MW-3R	7/27/20	3786.00	68.81	68.56	0.25	3717.39	--
MW-3R	8/27/20	3786.00	68.94	68.60	0.34	3717.34	--
MW-3R	9/4/20	3786.00	68.99	68.63	0.36	3717.30	--
MW-3R	9/4/20	3786.00	68.35	68.33	0.02	3717.67	--
MW-3R	9/15/20	3786.00	68.94	68.69	0.25	3717.26	--
MW-3R	10/29/20	3786.00	69.12	68.76	0.36	3717.17	--
MW-3R	11/13/20	3786.00	69.19	68.77	0.42	3717.15	--
MW-3R	11/13/20	3786.00	68.89	68.89	0.00	3717.11	--
MW-3R	12/11/20	3786.00	69.00	68.88	0.12	3717.10	--
MW-3R	1/26/21	3786.00	69.24	68.96	0.28	3716.99	--
MW-3R	2/8/21	3786.00	69.26	68.93	0.33	3717.01	80.15
MW-3R	3/5/21	3786.00	69.38	69.01	0.37	3716.92	--
MW-3R	3/23/21	3786.00	69.25	69.06	0.19	3716.90	--
MW-3R	4/26/21	3786.00	69.32	69.10	0.22	3716.86	--
MW-3R	5/10/21	3786.00	69.42	69.13	0.29	3716.81	--
MW-3R	5/14/21	3786.00	69.42	69.12	0.30	3716.82	--
MW-3R	5/14/21	3786.00	69.15	--	0.00	3716.85	--
MW-3R	7/28/21	3786.00	69.55	69.28	0.27	3716.67	--
MW-3R	8/6/21	3786.00	69.93	69.31	0.62	3716.57	--
MW-3R	8/6/21	3786.00	69.03	--	0.00	3716.97	--
MW-3R	8/11/21	3786.00	69.50	69.32	0.18	3716.65	--
MW-3R	9/27/21	3786.00	69.68	69.40	0.28	3716.55	80.15
MW-3R	10/26/21	3786.00	69.74	69.41	0.33	3716.53	80.15
MW-3R	11/5/21	3786.00	69.79	69.46	0.33	3716.48	--
MW-3R	11/5/21	3786.00	69.70	--	0.00	3716.30	--
MW-3R	11/8/21	3786.00	69.52	69.51	0.01	3716.49	80.15
MW-3R	1/25/22	3786.00	69.76	69.66	0.10	3716.32	80.15
MW-3R	2/8/22	3786.00	69.78	69.66	0.12	3716.32	80.12
MW-3R	3/14/22	3786.00	69.91	69.78	0.13	3716.20	80.12
MW-3R	3/25/22	3786.00	69.93	69.80	0.13	3716.18	80.12
MW-3R	3/25/22	3786.00	70.02	--	0.00	3715.98	80.12
MW-3R	3/31/22	3786.00	69.87	--	0.00	3716.13	80.12
MW-3R	4/7/22	3786.00	69.80	--	0.00	3716.20	80.12
MW-3R	4/15/22	3786.00	66.92	66.90	0.02	3719.10	80.12
MW-3R	5/3/22	3786.00	69.86	69.85	0.01	3716.15	80.12
MW-3R	6/13/22	3786.00	69.96	69.93	0.03	3716.06	80.12
MW-3R	6/23/22	3786.00	69.99	69.98	0.01	3716.02	80.12
MW-3R	6/23/22	3786.00	69.95	--	0.00	3716.05	80.12
MW-3R	7/25/22	3786.00	70.03	--	0.00	3715.97	80.12
MW-3R	8/22/22	3786.00	70.10	--	0.00	3715.90	80.12
MW-3R	9/16/22	3786.00	70.12	--	0.00	3715.88	80.12
MW-3R	9/19/22	3786.00	70.14	--	0.00	3715.86	80.12
MW-3R	9/26/22	3786.00	70.14	--	0.00	3715.86	80.12
MW-3R	9/30/22	3786.00	70.17	--	0.00	3715.83	80.12
MW-3R	10/10/22	3786.00	70.18	--	0.00	3715.82	80.12
MW-3R	10/21/22	3786.00	70.20	--	0.00	3715.80	80.12
MW-3R	11/11/22	3786.00	72.30	--	0.00	3713.70	80.12
MW-4	1/10/17	3783.87	--	--	--	--	--
MW-4	1/24/17	3783.87	--	--	--	--	--
MW-4	2/8/17	3783.87	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-4	2/27/17	3783.87	64.53	--	0.00	3719.34	72.06
MW-4	3/1/17	3783.87	--	--	--	--	--
MW-4	4/3/17	3783.87	--	--	--	--	--
MW-4	5/30/17	3783.87	64.64	--	0.00	3719.23	72.05
MW-4	6/1/17	3783.87	--	--	--	--	--
MW-4	8/31/17	3783.03	64.83	--	0.00	3718.20	72.05
MW-4	11/28/17	3783.03	64.98	--	0.00	3718.05	72.02
MW-4	11/30/17	3783.03	--	--	--	--	--
MW-4	2/26/18	3783.03	65.10	--	0.00	3717.93	72.05
MW-4	3/2/18	3783.03	--	--	--	--	--
MW-4	5/29/18	3783.03	65.23	--	0.00	3717.80	72.01
MW-4	5/30/18	3783.03	--	--	--	--	--
MW-4	8/29/18	3783.03	65.40	--	0.00	3717.63	72.05
MW-4	11/26/18	3783.03	65.63	--	0.00	3717.40	--
MW-4	2/25/19	3783.03	65.79	--	0.00	3717.24	--
MW-4	2/27/19	3783.03	--	--	--	--	--
MW-4	5/20/19	3783.03	65.95	--	0.00	3717.08	--
MW-4	5/21/19	3783.03	--	--	--	--	--
MW-4	7/23/19	3783.03	66.04	--	0.00	3716.99	--
MW-4	7/26/19	3783.03	--	--	--	--	--
MW-4	10/22/19	3783.03	66.23	--	0.00	3716.80	--
MW-4	12/13/19	3783.81	--	--	--	--	--
MW-4	2/10/20	3783.81	66.45	--	0.00	3717.36	72.01
MW-4	4/27/20	3783.81	66.98	--	0.00	3716.83	--
MW-4	5/11/20	3783.81	66.59	--	0.00	3717.22	--
MW-4	6/18/20	3783.81	66.68	--	0.00	3717.13	--
MW-4	7/27/20	3783.81	66.73	--	0.00	3717.08	--
MW-4	8/27/20	3783.81	66.80	--	0.00	3717.01	--
MW-4	9/15/20	3783.81	66.82	--	0.00	3716.99	--
MW-4	10/29/20	3783.81	66.94	--	0.00	3716.87	--
MW-4	12/11/20	3783.81	67.02	--	0.00	3716.79	--
MW-4	1/26/21	3783.81	67.13	--	0.00	3716.68	--
MW-4	2/8/21	3783.81	67.05	--	0.00	3716.76	71.96
MW-4	3/23/21	3783.81	67.20	--	0.00	3716.61	--
MW-4	4/26/21	3783.81	67.26	--	0.00	3716.55	--
MW-4	5/10/21	3783.81	67.31	--	0.00	3716.50	--
MW-4	7/28/21	3783.81	67.45	--	0.00	3716.36	--
MW-4	8/11/21	3783.81	67.48	--	0.00	3716.33	--
MW-4	9/27/21	3783.81	67.56	--	0.00	3716.25	71.96
MW-4	10/26/21	3783.81	67.63	--	0.00	3716.18	71.96
MW-4	11/8/21	3783.81	67.65	--	0.00	3716.16	71.96
MW-4	1/25/22	3783.81	67.81	--	0.00	3716.00	71.96
MW-4	2/8/22	3783.81	67.82	--	0.00	3715.99	72.05
MW-4	3/14/22	3783.81	67.89	--	0.00	3715.92	72.05
MW-4	4/15/22	3783.81	68.02	--	0.00	3715.79	72.05
MW-4	5/3/22	3783.81	67.99	--	0.00	3715.82	72.05
MW-4	6/13/22	3783.81	68.08	--	0.00	3715.73	72.05
MW-4	7/25/22	3783.81	68.15	--	0.00	3715.66	72.05
MW-4	8/22/22	3783.81	68.21	--	0.00	3715.60	72.05
MW-4	11/11/22	3783.81	68.36	--	0.00	3715.45	72.05
MW-5	1/10/17	3784.29	--	--	--	--	--
MW-5	1/24/17	3784.29	--	--	--	--	--
MW-5	2/27/17	3784.29	64.42	--	0.00	3719.87	
MW-5	3/1/17	3784.29	--	--	--	--	--
MW-5	4/3/17	3784.29	--	--	--	--	--
MW-5	5/2/17	3784.29	--	--	--	--	--
MW-5	5/16/17	3784.29	--	--	--	--	--
MW-5	5/30/17	3784.29	64.67	--	0.00	3719.62	68.15
MW-5	6/1/17	3784.29	--	--	--	--	--
MW-5	6/13/17	3784.29	--	--	--	--	--
MW-5	6/28/17	3784.28	--	--	--	--	--
MW-5	7/5/17	3784.28	--	--	--	--	--
MW-5	7/14/17	3784.28	--	--	--	--	--
MW-5	8/31/17	3784.28	64.77	--	0.00	3719.51	71.00
MW-5	9/5/17	3784.28	--	--	--	--	--
MW-5	11/28/17	3784.28	64.97	--	0.00	3719.31	71.39
MW-5	11/30/17	3784.28	--	--	--	--	--
MW-5	12/12/17	3784.28	--	--	--	--	--
MW-5	2/15/18	3784.28	--	--	--	--	--
MW-5	2/26/18	3784.28	65.12	--	0.00	3719.16	71.49

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-5	3/2/18	3784.28	--	--	--	--	--
MW-5	5/29/18	3784.28	65.20	--	0.00	3719.08	71.43
MW-5	5/30/18	3784.28	--	--	--	--	--
MW-5	8/29/18	3784.28	65.49	--	0.00	3718.79	71.49
MW-5	11/26/18	3784.28	65.63	--	0.00	3718.65	--
MW-5	2/25/19	3784.28	65.83	--	0.00	3718.45	--
MW-5	2/27/19	3784.28	--	--	--	--	--
MW-5	5/20/19	3784.28	65.96	--	0.00	3718.32	--
MW-5	5/21/19	3784.28	--	--	--	--	--
MW-5	6/11/19	3784.28	--	--	--	--	--
MW-5	7/23/19	3784.28	66.19	--	0.00	3718.09	
MW-5	8/21/19	3784.28	--	--	--	--	--
MW-5	7/26/19	3784.28	--	--	--	--	--
MW-5	9/3/19	3784.28	--	--	--	--	--
MW-5	9/11/19	3784.28	--	--	--	--	--
MW-5	10/22/19	3784.28	66.25	--	0.00	3718.03	--
MW-5	2/10/20	3784.28	66.45	--	0.00	3717.83	71.60
MW-5	3/18/20	3784.28	--	--	--	--	--
MW-5	4/27/20	3784.28	67.69	--	0.00	3716.59	--
MW-5	5/11/20	3784.28	66.73	--	0.00	3717.55	--
MW-5	6/18/20	3784.28	66.65	--	0.00	3717.63	--
MW-5	7/27/20	3784.28	66.75	--	0.00	3717.53	--
MW-5	8/27/20	3784.28	66.81	--	0.00	3717.47	--
MW-5	9/15/20	3784.28	66.87	--	0.00	3717.41	--
MW-5	10/29/20	3784.28	66.93	--	0.00	3717.35	--
MW-5	12/11/20	3784.28	67.01	--	0.00	3717.27	--
MW-5	1/26/21	3784.28	67.12	--	0.00	3717.16	--
MW-5	2/8/21	3784.28	67.11	--	0.00	3717.17	71.80
MW-5	3/23/21	3784.28	67.20	--	0.00	3717.08	--
MW-5	4/26/21	3784.28	67.26	--	0.00	3717.02	--
MW-5	5/10/21	3784.28	67.32	--	0.00	3716.96	--
MW-5	7/28/21	3784.28	67.46	--	0.00	3716.82	--
MW-5	8/11/21	3784.28	67.48	--	0.00	3716.80	--
MW-5	9/27/21	3784.28	67.56	--	0.00	3716.72	71.80
MW-5	10/26/21	3784.28	67.52	--	0.00	3716.76	71.80
MW-5	11/8/21	3784.28	67.52	--	0.00	3716.76	71.80
MW-5	1/25/22	3784.28	67.81	--	0.00	3716.47	71.80
MW-5	2/8/22	3784.28	67.84	--	0.00	3716.44	72.12
MW-5	3/14/22	3784.28	67.91	--	0.00	3716.37	72.12
MW-5	4/15/22	3784.28	68.02	--	0.00	3716.26	72.12
MW-5	5/3/22	3784.28	67.98	--	0.00	3716.30	72.12
MW-5	6/13/22	3784.28	68.07	--	0.00	3716.21	72.12
MW-5	7/25/22	3784.28	68.14	--	0.00	3716.14	72.12
MW-5	8/22/22	3784.28	68.20	--	0.00	3716.08	72.12
MW-5	11/11/22	3784.28	68.35	--	0.00	3715.93	72.12
MW-6	1/10/17	3785.78	--	--	--	--	--
MW-6	1/24/17	3785.78	--	--	--	--	--
MW-6	2/8/17	3785.78	--	--	--	--	--
MW-6	2/27/17	3785.78	66.19	--	0.00	3719.59	73.42
MW-6	3/1/17	3785.78	--	--	--	--	--
MW-6	4/3/17	3785.78	--	--	--	--	--
MW-6	5/2/17	3785.78	--	--	--	--	--
MW-6	5/16/17	3785.78	--	--	--	--	--
MW-6	5/30/17	3785.78	66.33	--	0.00	3719.45	77.44
MW-6	6/1/17	3785.78	--	--	--	--	--
MW-6	6/13/17	3785.78	--	--	--	--	--
MW-6	6/28/17	3785.79	--	--	--	--	--
MW-6	7/5/17	3785.79	--	--	--	--	--
MW-6	7/14/17	3785.79	--	--	--	--	--
MW-6	8/31/17	3785.79	66.53	--	0.00	3719.26	73.45
MW-6	11/28/17	3785.79	66.65	--	0.00	3719.14	73.44
MW-6	11/30/17	3785.79	--	--	--	--	--
MW-6	12/12/17	3785.79	--	--	--	--	--
MW-6	2/15/18	3785.79	--	--	--	--	--
MW-6	2/26/18	3785.79	66.81	--	0.00	3718.98	73.71
MW-6	3/2/18	3785.79	--	--	--	--	--
MW-6	5/29/18	3785.79	66.91	--	0.00	3718.88	73.65
MW-6	5/30/18	3785.79	--	--	--	--	--
MW-6	8/29/18	3785.79	67.12	--	0.00	3718.67	73.71
MW-6	11/26/18	3785.79	67.31	--	0.00	3718.48	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-6	2/25/19	3785.79	67.50	--	0.00	3718.29	--
MW-6	2/27/19	3785.79	--	--	--	--	--
MW-6	5/20/19	3785.79	68.14	--	0.00	3717.65	
MW-6	5/21/19	3785.79	--	--	--	--	--
MW-6	7/23/19	3785.79	67.75	--	0.00	3718.04	--
MW-6	7/26/19	3785.79	--	--	--	--	--
MW-6	10/22/19	3785.79	67.95	--	0.00	3717.84	--
MW-6	2/10/20	3785.79	68.15	--	0.00	3717.64	73.50
MW-6	4/27/20	3785.79	68.28	--	0.00	3717.51	--
MW-6	5/11/20	3785.79	68.32	--	0.00	3717.47	--
MW-6	6/18/20	3785.79	68.37	--	0.00	3717.42	--
MW-6	7/27/20	3785.79	68.42	--	0.00	3717.37	--
MW-6	8/27/20	3785.79	68.48	--	0.00	3717.31	--
MW-6	9/15/20	3785.79	68.55	--	0.00	3717.24	--
MW-6	10/29/20	3785.79	68.63	--	0.00	3717.16	--
MW-6	12/11/20	3785.79	68.72	--	0.00	3717.07	--
MW-6	1/26/21	3785.79	68.84	--	0.00	3716.95	--
MW-6	2/8/21	3785.79	68.82	--	0.00	3716.97	73.60
MW-6	3/23/21	3785.79	68.91	--	0.00	3716.88	--
MW-6	4/26/21	3785.79	68.87	--	0.00	3716.92	--
MW-6	5/10/21	3785.79	68.01	--	0.00	3717.78	--
MW-6	7/28/21	3785.79	69.16	--	0.00	3716.63	--
MW-6	8/11/21	3785.79	69.17	--	0.00	3716.62	--
MW-6	9/27/21	3785.79	69.25	--	0.00	3716.54	73.60
MW-6	10/26/21	3785.79	69.29	--	0.00	3716.50	73.60
MW-6	11/8/21	3785.79	68.29	--	0.00	3717.50	73.60
MW-6	1/25/22	3785.79	69.50	--	0.00	3716.29	73.60
MW-6	2/7/22	3785.79	69.50	--	0.00	3716.29	73.54
MW-6	3/14/22	3785.79	69.60	--	0.00	3716.19	73.54
MW-6	4/15/22	3785.79	69.70	--	0.00	3716.09	73.54
MW-6	5/3/22	3785.79	69.70	--	0.00	3716.09	73.54
MW-6	6/13/22	3785.79	69.78	--	0.00	3716.01	73.54
MW-6	7/25/22	3785.79	69.86	--	0.00	3715.93	73.54
MW-6	8/22/22	3785.79	69.91	--	0.00	3715.88	73.54
MW-6	11/11/22	3785.79	70.05	--	0.00	3715.74	73.54
MW-7	1/4/17	3783.14	--	--	--	--	--
MW-7	1/17/17	3783.14	--	--	--	--	--
MW-7	2/27/17	3783.14	63.52	63.34	0.18	3719.77	--
MW-7	4/3/17	3783.14	--	--	--	--	--
MW-7	5/10/17	3783.14	--	--	--	--	--
MW-7	5/30/17	3783.14	63.85	63.53	0.32	3719.55	--
MW-7	6/5/17	3783.14	--	--	--	--	--
MW-7	7/5/17	3783.06	--	--	--	--	--
MW-7	7/26/17	3783.06	--	--	--	--	--
MW-7	8/31/17	3783.06	63.88	63.72	0.16	3719.31	--
MW-7	9/5/17	3783.06	--	--	--	--	--
MW-7	11/29/17	3783.06	63.91	63.82	0.09	3719.22	--
MW-7	12/12/17	3783.06	--	--	--	--	--
MW-7	2/15/18	3783.06	--	--	--	--	--
MW-7	2/26/18	3783.06	64.21	64.00	0.21	3719.02	69.51
MW-7	5/29/18	3783.06	64.31	64.11	0.20	3718.91	--
MW-7	8/29/18	3783.06	64.38	64.30	0.08	3718.74	--
MW-7	11/26/18	3783.06	64.75	64.51	0.24	3718.50	--
MW-7	1/23/19	3783.06	64.90	64.59	0.31	3718.41	--
MW-7	2/25/19	3783.06	64.79	64.69	0.10	3718.35	--
MW-7	5/20/19	3783.06	64.97	64.83	0.14	3718.20	--
MW-7	6/11/19	3783.06	--	--	--	--	--
MW-7	8/21/19	3783.06	--	--	--	--	--
MW-7	7/23/19	3783.06	65.20	64.95	0.25	3718.06	
MW-7	9/3/19	3783.06	--	--	--	--	--
MW-7	9/11/19	3783.06	--	--	--	--	--
MW-7	10/22/19	3783.06	65.28	65.10	0.18	3717.93	
MW-7	2/10/20	3783.06	65.52	65.32	0.20	3717.70	70
MW-7	4/27/20	3783.06	65.76	65.41	0.35	3717.58	--
MW-7	5/11/20	3783.06	65.79	65.44	0.35	3717.55	--
MW-7	6/18/20	3783.06	65.94	65.53	0.41	3717.45	--
MW-7	7/27/20	3783.06	66.02	65.55	0.47	3717.42	--
MW-7	8/27/20	3783.06	66.08	65.60	0.48	3717.37	--
MW-7	9/4/20	3783.06	66.12	65.64	0.48	3717.33	--
MW-7	9/4/20	3783.06	65.42	65.41	0.01	3717.65	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-7	9/15/20	3783.06	65.85	65.78	0.07	3717.27	--
MW-7	10/29/20	3783.06	65.89	65.88	0.01	3717.18	--
MW-7	12/11/20	3783.06	66.04	65.90	0.14	3717.13	--
MW-7	1/26/21	3783.06	66.15	66.00	0.15	3717.03	--
MW-7	2/8/21	3783.06	66.15	65.59	0.56	3717.36	69.91
MW-7	3/23/21	3783.06	66.25	66.08	0.17	3716.95	--
MW-7	4/26/21	3783.06	66.30	66.14	0.16	3716.89	--
MW-7	5/10/21	3783.06	66.37	66.20	0.17	3716.83	--
MW-7	5/14/21	3783.06	66.36	66.18	0.18	3716.85	--
MW-7	5/14/21	3783.06	66.17	--	0.00	3716.89	--
MW-7	7/28/21	3783.06	66.36	66.34	0.02	3716.72	--
MW-7	8/11/21	3783.06	66.50	66.47	0.03	3716.58	--
MW-7	9/27/21	3783.06	66.50	66.47	0.03	3716.58	69.91
MW-7	10/26/21	3783.06	66.58	66.55	0.03	3716.50	69.91
MW-7	11/8/21	3783.06	66.60	66.56	0.04	3716.49	69.91
MW-7	1/25/22	3783.06	66.78	66.72	0.06	3716.33	69.91
MW-7	2/8/22	3783.06	66.74	66.70	0.04	3716.35	--
MW-7	3/14/22	3783.06	66.83	66.81	0.02	3716.25	69.85
MW-7	3/25/22	3783.06	66.87	66.81	0.06	3716.24	69.85
MW-7	3/25/22	3783.06	67.93	--	0.00	3715.13	69.85
MW-7	3/31/22	3783.06	68.83	--	0.00	3714.23	69.85
MW-7	4/7/22	3783.06	66.84	--	0.00	3716.22	69.85
MW-7	4/15/22	3783.06	66.92	--	0.00	3716.14	69.85
MW-7	5/3/22	3783.06	66.92	--	0.00	3716.14	69.85
MW-7	6/13/22	3783.06	67.01	--	0.00	3716.05	69.85
MW-7	6/23/22	3783.06	68.99	--	0.00	3714.07	69.85
MW-7	6/27/22	3783.06	66.98	--	0.00	3716.08	69.85
MW-7	7/25/22	3783.06	67.06	--	0.00	3716.00	69.85
MW-7	8/22/22	3783.06	67.14	--	0.00	3715.92	69.85
MW-7	9/16/22	3783.06	67.68	--	0.00	3715.38	69.85
MW-7	9/19/22	3783.06	67.16	--	0.00	3715.90	69.85
MW-7	9/26/22	3783.06	67.14	--	0.00	3715.92	69.85
MW-7	9/30/22	3783.06	67.21	--	0.00	3715.85	69.85
MW-7	10/10/22	3783.06	67.25	--	0.00	3715.81	69.85
MW-7	10/21/22	3783.06	67.23	--	0.00	3715.83	69.85
MW-7	10/27/22	3783.06	67.27	--	0.00	3715.79	69.85
MW-7	11/11/22	3783.06	67.26	--	0.00	3715.80	69.85
MW-8	2/27/17	3785.89	65.41	--	0.00	3720.48	74.04
MW-8	3/1/17	3785.89	--	--	--	--	--
MW-8	5/30/17	3785.89	65.59	--	0.00	3720.30	74.07
MW-8	6/1/17	3785.89	--	--	--	--	--
MW-8	8/31/17	3785.88	65.76	--	0.00	3720.12	74.05
MW-8	11/28/17	3785.88	65.93	--	0.00	3719.95	74.00
MW-8	11/30/17	3785.88	--	--	--	--	--
MW-8	2/26/18	3785.88	66.07	--	0.00	3719.81	74.14
MW-8	3/2/18	3785.88	--	--	--	--	--
MW-8	5/29/18	3785.88	66.20	--	0.00	3719.68	74.07
MW-8	5/30/18	3785.88	--	--	--	--	--
MW-8	8/29/18	3785.88	66.37	--	0.00	3719.51	74.14
MW-8	11/26/18	3785.88	66.60	--	0.00	3719.28	--
MW-8	2/25/19	3785.88	66.76	--	0.00	3719.12	--
MW-8	2/27/19	3785.88		--			--
MW-8	5/20/19	3785.88	66.89	--	0.00	3718.99	--
MW-8	5/21/19	3785.88		--			--
MW-8	7/23/19	3785.88	67.05	--	0.00	3718.83	--
MW-8	7/26/19	3785.88	--	--	--	--	--
MW-8	10/22/19	3785.88	67.23	--	0.00	3718.65	--
MW-8	2/10/20	3785.88	67.41	--	0.00	3718.47	74.05
MW-8	4/27/20	3785.88	67.54	--	0.00	3718.34	--
MW-8	5/11/20	3785.88	67.59	--	0.00	3718.29	--
MW-8	6/18/20	3785.88	67.64	--	0.00	3718.24	--
MW-8	7/27/20	3785.88	67.70	--	0.00	3718.18	--
MW-8	8/27/20	3785.88	67.77	--	0.00	3718.11	--
MW-8	9/15/20	3785.88	67.90	--	0.00	3717.98	--
MW-8	10/29/20	3785.88	67.92	--	0.00	3717.96	--
MW-8	12/11/20	3785.88	68.00	--	0.00	3717.88	--
MW-8	1/26/21	3785.88	68.13	--	0.00	3717.75	--
MW-8	2/8/21	3785.88	68.09	--	0.00	3717.79	74.10
MW-8	3/23/21	3785.88	68.18	--	0.00	3717.70	--
MW-8	4/26/21	3785.88	68.24	--	0.00	3717.64	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-8	5/10/21	3785.88	68.31	--	0.00	3717.57	--
MW-8	7/28/21	3785.88	68.44	--	0.00	3717.44	--
MW-8	8/11/21	3785.88	68.47	--	0.00	3717.41	--
MW-8	9/27/21	3785.88	68.57	--	0.00	3717.31	74.10
MW-8	10/26/21	3785.88	68.59	--	0.00	3717.29	74.10
MW-8	11/8/21	3785.88	68.62	--	0.00	3717.26	74.10
MW-8	1/25/22	3785.88	68.80	--	0.00	3717.08	74.10
MW-8	2/7/22	3785.88	68.83	--	0.00	3717.05	73.98
MW-8	3/14/22	3785.88	68.88	--	0.00	3717.00	73.98
MW-8	4/15/22	3785.88	69.02	--	0.00	3716.86	73.98
MW-8	5/3/22	3785.88	69.01	--	0.00	3716.87	73.98
MW-8	6/13/22	3785.88	69.07	--	0.00	3716.81	73.98
MW-8	7/25/22	3785.88	69.86	--	0.00	3716.02	73.98
MW-8	8/22/22	3785.88	69.21	--	0.00	3716.67	73.98
MW-8	11/11/22	3785.88	69.38	--	0.00	3716.50	73.98
MW-9	2/27/17	3784.17	64.41	--	0.00	3719.76	74.04
MW-9	3/1/17	3784.17	--	--	--	--	--
MW-9	5/30/17	3784.17	64.57	--	0.00	3719.60	73.21
MW-9	6/1/17	3784.17	--	--	--	--	--
MW-9	8/31/17	3784.08	64.75	--	0.00	3719.33	73.10
MW-9	11/28/17	3784.08	64.92	--	0.00	3719.16	73.14
MW-9	11/30/17	3784.08	--	--	--	--	--
MW-9	2/26/18	3784.08	65.05	--	0.00	3719.03	72.34
MW-9	3/2/18	3784.08	--	--	--	--	--
MW-9	5/29/18	3784.08	65.20	--	0.00	3718.88	72.27
MW-9	5/30/18	3784.08	--	--	--	--	--
MW-9	8/29/18	3784.08	65.34	--	0.00	3718.74	72.34
MW-9	11/26/18	3784.08	65.57	--	0.00	3718.51	--
MW-9	2/25/19	3784.08	65.75	--	0.00	3718.33	--
MW-9	2/27/19	3784.08	--	--	--	--	--
MW-9	5/20/19	3784.08	65.87	--	0.00	3718.21	--
MW-9	5/21/19	3784.08	--	--	--	--	--
MW-9	7/23/19	3784.08	66.00	--	0.00	3718.08	--
MW-9	7/26/19	3784.08	--	--	--	--	--
MW-9	10/22/19	3784.08	66.20	--	0.00	3717.88	--
MW-9	2/10/20	3784.08	66.90	--	0.00	3717.18	73.20
MW-9	4/27/20	3784.08	66.48	--	0.00	3717.60	--
MW-9	5/11/20	3784.08	66.55	--	0.00	3717.53	--
MW-9	6/18/20	3784.08	66.60	--	0.00	3717.48	--
MW-9	7/27/20	3784.08	66.68	--	0.00	3717.40	--
MW-9	8/27/20	3784.08	66.75	--	0.00	3717.33	--
MW-9	9/15/20	3784.08	66.78	--	0.00	3717.30	--
MW-9	10/29/20	3784.08	66.90	--	0.00	3717.18	--
MW-9	12/11/20	3784.08	66.96	--	0.00	3717.12	--
MW-9	1/26/21	3784.08	67.17	--	0.00	3716.91	--
MW-9	2/8/21	3784.08	67.08	--	0.00	3717.00	73.25
MW-9	3/23/21	3784.08	67.17	--	0.00	3716.91	--
MW-9	4/26/21	3784.08	67.22	--	0.00	3716.86	--
MW-9	5/10/21	3784.08	67.28	--	0.00	3716.80	--
MW-9	7/28/21	3784.08	67.42	--	0.00	3716.66	--
MW-9	8/11/21	3784.08	67.45	--	0.00	3716.63	--
MW-9	9/27/21	3784.08	67.53	--	0.00	3716.55	73.25
MW-9	10/26/21	3784.08	67.57	--	0.00	3716.51	73.25
MW-9	11/8/21	3784.08	67.59	--	0.00	3716.49	73.25
MW-9	1/25/22	3784.08	67.76	--	0.00	3716.32	73.25
MW-9	2/7/22	3784.08	67.77	--	0.00	3716.31	73.05
MW-9	3/14/22	3784.08	69.84	--	0.00	3714.24	73.05
MW-9	4/15/22	3784.08	67.97	--	0.00	3716.11	73.05
MW-9	5/3/22	3784.08	67.95	--	0.00	3716.13	73.05
MW-9	6/13/22	3784.08	68.03	--	0.00	3716.05	73.05
MW-9	7/25/22	3784.08	68.11	--	0.00	3715.97	73.05
MW-9	8/22/22	3784.08	68.15	--	0.00	3715.93	73.05
MW-9	11/11/22	3784.08	68.31	--	0.00	3715.77	73.05
MW-10	2/27/17	3782.22	62.60	--	0.00	3719.62	66.02
MW-10	3/1/17	3782.22	--	--	--	--	--
MW-10	5/30/17	3782.22	62.81	--	0.00	3719.41	66.00
MW-10	6/1/17	3782.22	--	--	--	--	--
MW-10	8/31/17	3782.15	63.03	--	0.00	3719.12	66.15
MW-10	11/28/17	3782.15	63.11	--	0.00	3719.04	66.16
MW-10	11/30/17	3782.15	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-10	2/26/18	3782.15	63.27	--	0.00	3718.88	66.32
MW-10	3/2/18	3782.15	--	--	--	--	--
MW-10	5/29/18	3782.15	63.51	--	0.00	3718.64	66.29
MW-10	5/30/18	3782.15	--	--	--	--	--
MW-10	8/29/18	3782.15	63.56	--	0.00	3718.59	66.35
MW-10	11/26/18	3782.15	63.78	--	0.00	3718.37	--
MW-10	2/25/19	3782.15	63.96	--	0.00	3718.19	--
MW-10	2/27/19	3782.15	--	--	--	--	--
MW-10	5/20/19	3782.15	64.08	--	0.00	3718.07	--
MW-10	5/21/19	3782.15	--	--	--	--	--
MW-10	7/23/19	3782.15	64.23	--	0.00	3717.92	--
MW-10	7/26/19	3782.15	--	--	--	--	--
MW-10	10/22/19	3782.15	64.45	--	0.00	3717.70	--
MW-10	2/10/20	3782.15	64.60	--	0.00	3717.55	66.50
MW-10	4/27/20	3782.15	64.75	--	0.00	3717.40	--
MW-10	5/11/20	3782.15	64.77	--	0.00	3717.38	--
MW-10	6/18/20	3782.15	64.80	--	0.00	3717.35	--
MW-10	7/27/20	3782.15	64.87	--	0.00	3717.28	--
MW-10	8/27/20	3782.15	64.95	--	0.00	3717.20	--
MW-10	9/15/20	3782.15	65.00	--	0.00	3717.15	--
MW-10	10/29/20	3782.15	65.12	--	0.00	3717.03	--
MW-10	12/11/20	3782.15	65.18	--	0.00	3716.97	--
MW-10	1/26/21	3782.15	65.28	--	0.00	3716.87	--
MW-10	2/8/21	3782.15	65.27	--	0.00	3716.88	66.50
MW-10	3/23/21	3782.15	65.36	--	0.00	3716.79	--
MW-10	4/26/21	3782.15	65.42	--	0.00	3716.73	--
MW-10	5/10/21	3782.15	65.47	--	0.00	3716.68	--
MW-10	7/28/21	3782.15	65.63	--	0.00	3716.52	--
MW-10	8/11/21	3782.15	65.65	--	0.00	3716.50	--
MW-10	9/27/21	3782.15	65.72	--	0.00	3716.43	66.50
MW-10	10/26/21	3782.15	65.77	--	0.00	3716.38	66.50
MW-10	11/8/21	3782.15	65.79	--	0.00	3716.36	66.50
MW-10	1/25/22	3782.15	65.95	--	0.00	3716.20	66.50
MW-10	2/7/22	3782.15	66.00	--	0.00	3716.15	66.60
MW-10	3/14/22	3782.15	66.03	--	0.00	3716.12	66.60
MW-10	4/15/22	3782.15	66.16	--	0.00	3715.99	66.60
MW-10	5/3/22	3782.15	66.15	--	0.00	3716.00	66.60
MW-10	6/13/22	3782.15	66.22	--	0.00	3715.93	66.60
MW-10	7/25/22	3782.15	68.31	--	0.00	3713.84	66.60
MW-10	8/22/22	3782.15	66.36	--	0.00	3715.79	66.60
MW-10	11/11/22	3782.15	--	--	--	Dry	66.60
MW-11	2/27/17	3783.35	--	--	--	Dry	--
MW-11	5/30/17	3783.35	--	--	--	Dry	62.60
MW-11	6/1/17	3783.35	--	--	--	Dry	--
MW-11	8/31/17	3783.60	--	--	--	Dry	62.60
MW-11	11/28/17	3783.60	--	--	--	Dry	62.56
MW-11	2/26/18	3783.60	--	--	--	Dry	65.43
MW-11	5/29/18	3783.60	--	--	--	Dry	65.40
MW-11	8/29/18	3783.60	--	--	--	Dry	65.43
MW-11	11/26/18	3783.60	--	--	--	Dry	62.67
MW-11	2/25/19	3783.60	--	--	--	Dry	62.65
MW-11	5/20/19	3783.60	--	--	--	Dry	--
MW-11	7/23/19	3783.60	--	--	--	Dry	--
MW-11	10/22/19	3783.60	--	--	--	Dry	65.39
MW-11	2/19/20	P&A	--	--	--	--	--
MW-12	2/27/17	3780.80	61.96	--	0.00	3718.84	67.21
MW-12	3/1/17	3780.80	--	--	--	--	--
MW-12	5/30/17	3780.80	62.02	--	0.00	3718.78	67.20
MW-12	6/1/17	3780.80	--	--	--	--	--
MW-12	8/31/17	3779.79	62.28	--	0.00	3717.51	67.25
MW-12	11/28/17	3779.79	62.33	--	0.00	3717.46	67.19
MW-12	11/30/17	3779.79	--	--	--	--	--
MW-12	2/26/18	3779.79	62.46	--	0.00	3717.33	67.31
MW-12	3/2/18	3779.79	--	--	--	--	--
MW-12	5/29/18	3779.79	62.68	--	0.00	3717.11	67.28
MW-12	5/30/18	3779.79	--	--	--	--	--
MW-12	8/29/18	3779.79	62.79	--	0.00	3717.00	67.31
MW-12	11/26/18	3779.79	62.99	--	0.00	3716.80	--
MW-12	2/25/19	3779.79	63.17	--	0.00	3716.62	--
MW-12	2/27/19	3779.79	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-12	5/20/19	3779.79	63.30	--	0.00	3716.49	--
MW-12	5/21/19	3779.79	--	--	--	--	--
MW-12	7/23/19	3779.79	63.43	--	0.00	3716.36	--
MW-12	7/26/19	3779.79	--	--	--	--	--
MW-12	10/22/19	3779.79	63.60	--	0.00	3716.19	--
MW-12	12/13/19	3780.75	--	--	--	--	--
MW-12	2/10/20	3780.75	63.83	--	0.00	3716.92	67.30
MW-12	4/27/20	3780.75	63.95	--	0.00	3716.80	--
MW-12	5/11/20	3780.75	63.98	--	0.00	3716.77	--
MW-12	6/18/20	3780.75	64.04	--	0.00	3716.71	--
MW-12	7/27/20	3780.75	64.10	--	0.00	3716.65	--
MW-12	8/27/20	3780.75	64.17	--	0.00	3716.58	--
MW-12	9/15/20	3780.75	64.25	--	0.00	3716.50	--
MW-12	10/29/20	3780.75	64.32	--	0.00	3716.43	--
MW-12	12/11/20	3780.75	64.38	--	0.00	3716.37	--
MW-12	1/26/21	3780.75	64.48	--	0.00	3716.27	--
MW-12	2/8/21	3780.75	64.51	--	0.00	3716.24	67.32
MW-12	3/23/21	3780.75	64.60	--	0.00	3716.15	--
MW-12	4/26/21	3780.75	64.62	--	0.00	3716.13	--
MW-12	5/10/21	3780.75	64.67	--	0.00	3716.08	--
MW-12	7/28/21	3780.75	64.82	--	0.00	3715.93	--
MW-12	8/11/21	3780.75	64.83	--	0.00	3715.92	--
MW-12	9/27/21	3780.75	64.92	--	0.00	3715.83	67.32
MW-12	10/26/21	3780.75	64.97	--	0.00	3715.78	67.32
MW-12	11/8/21	3780.75	64.99	--	0.00	3715.76	67.32
MW-12	1/25/22	3780.75	65.14	--	0.00	3715.61	67.32
MW-12	2/8/22	3780.75	65.16	--	0.00	3715.59	67.82
MW-12	3/14/22	3780.75	65.22	--	0.00	3715.53	67.82
MW-12	4/15/22	3780.75	65.35	--	0.00	3715.40	67.82
MW-12	5/3/22	3780.75	65.36	--	0.00	3715.39	67.82
MW-12	6/13/22	3780.75	65.49	--	0.00	3715.26	67.82
MW-12	7/25/22	3780.75	65.51	--	0.00	3715.24	67.82
MW-12	8/22/22	3780.75	65.57	--	0.00	3715.18	67.82
MW-12	11/11/22	3780.75	65.69	--	0.00	3715.06	67.82
MW-13	2/27/17	3781.16	62.22	--	0.00	3718.94	64.60
MW-13	3/1/17	3781.16	--	--	--	--	--
MW-13	5/30/17	3781.16	62.40	--	0.00	3718.76	64.55
MW-13	6/1/17	3781.16	--	--	--	--	--
MW-13	8/31/17	3781.14	62.60	--	0.00	3718.54	64.59
MW-13	11/28/17	3781.14	62.72	--	0.00	3718.42	64.55
MW-13	11/30/17	3781.14	--	--	--	--	--
MW-13	2/26/18	3781.14	62.88	--	0.00	3718.26	65.21
MW-13	3/2/18	3781.14	--	--	--	--	--
MW-13	5/29/18	3781.14	63.06	--	0.00	3718.08	--
MW-13	5/30/18	3781.14	--	--	--	--	--
MW-13	8/29/18	3781.14	63.17	-	0.00	3717.97	65.22
MW-13	11/26/18	3781.14	63.38	-	0.00	3717.76	--
MW-13	2/25/19	3781.14	63.55	-	0.00	3717.59	--
MW-13	2/27/19	3781.14	--	--	--	--	--
MW-13	5/20/19	3781.14	63.69	-	0.00	3717.45	--
MW-13	5/21/19	3781.14	--	--	--	--	--
MW-13	7/23/19	3781.14	63.80	-	0.00	3717.34	--
MW-13	7/26/19	3781.14	--	--	--	--	--
MW-13	10/22/19	3781.14	64.03	-	0.00	3717.11	--
MW-13	2/19/20	P&A	--	--	--	--	--
MW-14	2/27/17	3781.33	62.59	--	0.00	3718.74	64.83
MW-14	3/1/17	3781.33	--	--	--	--	--
MW-14	5/30/17	3781.33	62.78	--	0.00	3718.55	64.78
MW-14	6/1/17	3781.33	--	--	--	--	--
MW-14	8/31/17	3781.26	62.95	--	0.00	3718.31	64.87
MW-14	11/28/17	3781.26	63.11	--	0.00	3718.15	64.83
MW-14	11/30/17	3781.26	--	--	--	--	--
MW-14	2/26/18	3781.26	63.22	--	0.00	3718.04	65.03
MW-14	3/2/18	3781.26	--	--	--	--	--
MW-14	5/29/18	3781.26	63.41	-	0.00	3717.85	64.99
MW-14	5/30/18	3781.26	--	--	--	--	--
MW-14	8/29/18	3781.26	63.56	--	0.00	3717.70	64.93
MW-14	11/26/18	3781.26	63.77	--	0.00	3717.49	--
MW-14	2/25/19	3781.26	63.90	--	0.00	3717.36	--
MW-14	2/27/19	3781.26	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-14	5/20/19	3781.26	64.02	--	0.00	3717.24	--
MW-14	5/21/19	3781.26	--	--	--	--	--
MW-14	7/23/19	3781.26	64.15	--	0.00	3717.11	--
MW-14	7/26/19	3781.26	--	--	--	--	--
MW-14	10/22/19	3781.26	64.35	--	0.00	3716.91	--
MW-14	2/19/20	P&A	--	--	--	--	--
MW-15	2/27/17	3782.43	64.30	--	0.00	3718.13	66.50
MW-15	3/1/17	3782.43	--	--	--	--	--
MW-15	5/30/17	3782.43	64.51	--	0.00	3717.92	67.02
MW-15	6/1/17	3782.43	--	--	--	--	--
MW-15	8/31/17	3782.34	64.66	--	0.00	3717.68	67.00
MW-15	11/28/17	3782.34	64.80	--	0.00	3717.54	67.05
MW-15	11/30/17	3782.34	--	--	--	--	--
MW-15	2/26/18	3782.34	64.93	--	0.00	3717.41	67.45
MW-15	3/2/18	3782.34	--	--	--	--	--
MW-15	5/29/18	3782.34	65.14	-	0.00	3717.20	67.40
MW-15	5/30/18	3782.34	--	--	--	--	--
MW-15	8/29/18	3782.34	65.22	--	0.00	3717.12	67.29
MW-15	11/26/18	3782.34	65.44	--	0.00	3716.90	--
MW-15	2/25/19	3782.34	65.60	--	0.00	3716.74	--
MW-15	2/27/19	3782.34	--	--	--	--	--
MW-15	5/20/19	3782.34	65.74	-	0.00	3716.60	--
MW-15	5/21/19	3782.34	--	--	--	--	--
MW-15	7/23/19	3782.34	66.86	--	0.00	3715.48	--
MW-15	7/26/19	3782.34	--	--	--	--	--
MW-15	10/22/19	3782.34	66.01	--	0.00	3716.33	--
MW-15	2/10/20	3782.34	66.29	--	0.00	3716.05	67.27
MW-15	4/27/20	3782.34	66.37	--	0.00	3715.97	--
MW-15	5/11/20	3782.34	66.41	--	0.00	3715.93	--
MW-15	6/18/20	3782.34	Dry	--	--	--	67.17
MW-15	7/27/20	3782.34	66.53	--	0.00	3715.81	--
MW-15	8/27/20	3782.34	66.60	--	0.00	3715.74	--
MW-15	9/15/20	3782.34	66.63	--	0.00	3715.71	--
MW-15	10/29/20	3782.34	66.75	--	0.00	3715.59	--
MW-15	12/11/20	3782.34	66.82	--	0.00	3715.52	--
MW-15	1/26/21	3782.34	66.91	--	0.00	3715.43	--
MW-15	2/8/21	3782.34	66.92	--	0.00	3715.42	67.10
MW-15	3/23/21	3782.34	67.00	--	0.00	3715.34	67.21
MW-15	4/26/21	3782.34	67.02	--	0.00	3715.32	--
MW-15	5/10/21	3782.34	67.10	--	0.00	3715.24	67.20
MW-15	7/28/21	3782.34	67.08	--	0.00	3715.26	67.20
MW-15	8/11/21	3782.34	67.13	--	0.00	3715.21	67.20
MW-15	9/27/21	3782.34	--	--	--	Dry	67.10
MW-15	10/26/21	3782.34	--	--	--	Dry	67.10
MW-15	11/8/21	3782.34	--	--	--	Dry	67.10
MW-15	1/25/22	3782.34	--	--	--	Dry	67.10
MW-15	2/7/22	3782.34	--	--	--	Dry	67.13
MW-15	3/14/22	3782.34	--	--	--	Dry	67.13
MW-15	4/15/22	3782.34	--	--	--	Dry	67.13
MW-15	5/3/22	3782.34	--	--	--	Dry	67.13
MW-15	6/13/22	3782.34	--	--	--	Dry	67.13
MW-15	7/25/22	3782.34	--	--	--	Dry	67.13
MW-15	8/22/22	3782.34	--	--	--	Dry	67.13
MW-15	11/11/22	3782.34	--	--	--	Dry	67.13
MW-16	2/27/17	3780.24	61.43	-	0.00	3718.81	62.02
MW-16	3/1/17	3780.24	--	--	--	--	--
MW-16	5/30/17	3780.24	62.02	-	0.00	3718.22	62.02
MW-16	6/1/17	3780.24	--	--	--	--	--
MW-16	8/31/17	3780.16	--	--	--	Dry	62.02
MW-16	11/28/17	3780.16	--	--	--	Dry	62.05
MW-16	2/26/18	3780.16	--	--	--	Dry	62.24
MW-16	5/29/18	3780.16	--	--	--	Dry	62.25
MW-16	8/29/18	3780.16	--	--	--	Dry	62.24
MW-16	11/26/18	3780.16	--	--	--	Dry	62.18
MW-16	2/25/19	3780.16	62.08	-	0.00	3718.08	62.17
MW-16	5/20/19	3780.16	--	--	--	Dry	--
MW-16	7/23/19	3780.16	--	--	--	Dry	--
MW-16	10/22/19	3780.16	--	--	--	Dry	62.24
MW-16	2/19/20	P&A	--	--	--	--	--
MW-17	1/4/17	3784.47	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-17	1/10/17	3784.47	--	--	--	--	--
MW-17	1/17/17	3784.47	--	--	--	--	--
MW-17	1/24/17	3784.47	--	--	--	--	--
MW-17	2/8/17	3784.47	--	--	--	--	--
MW-17	2/27/17	3784.47	64.93	64.89	0.04	3719.57	
MW-17	4/3/17	3784.47	--	--	--	--	--
MW-17	5/10/17	3784.47	--	--	--	--	--
MW-17	5/30/17	3784.47	65.06	65.06	0.00	3719.41	75.11
MW-17	6/1/17	3784.47	--	--	--	--	--
MW-17	6/30/17	3784.40	--	--	--	--	--
MW-17	7/5/17	3784.40	--	--	--	--	--
MW-17	7/14/17	3784.40	--	--	--	--	--
MW-17	7/26/17	3784.40	--	--	--	--	--
MW-17	8/31/17	3784.40	65.23	65.23	0.00	3719.17	75.03
MW-17	9/5/17	3784.40	--	--	--	--	--
MW-17	10/18/17	3784.40	--	--	--	--	--
MW-17	11/28/17	3784.40	65.37	65.36	0.01	3719.04	75.01
MW-17	11/30/17	3784.40	--	--	--	--	--
MW-17	12/12/17	3784.40	--	--	--	--	--
MW-17	2/15/18	3784.40	--	--	--	--	--
MW-17	2/26/18	3784.40	65.55	-	0.00	3718.85	75.22
MW-17	3/2/18	3784.40	--	--	--	--	--
MW-17	5/29/18	3784.40	65.68	--	0.00	3718.72	75.22
MW-17	5/30/18	3784.40	--	--	--	--	--
MW-17	8/29/18	3784.40	65.86	65.84	0.02	3718.56	75.22
MW-17	11/26/18	3784.40	66.05	--	0.00	3718.35	--
MW-17	2/25/19	3784.40	66.22	--	0.00	3718.18	--
MW-17	2/27/19	3784.40	--	--	--	--	--
MW-17	5/20/19	3784.40	66.36	--	0.00	3718.04	--
MW-17	5/21/19	3784.40	--	--	--	--	--
MW-17	6/11/19	3784.40	--	--	--	--	--
MW-17	7/23/19	3784.40	66.48	--	0.00	3717.92	--
MW-17	8/21/19	3784.40	--	--	--	--	--
MW-17	7/26/19	3784.40	--	--	--	--	--
MW-17	9/3/19	3784.40	--	--	--	--	--
MW-17	9/11/19	3784.40	--	--	--	--	--
MW-17	10/22/19	3784.40	66.68	--	0.00	3717.72	--
MW-17	2/10/20	3784.40	66.88	--	0.00	3717.52	75.03
MW-17	3/18/20	3784.40	--	--	--	--	--
MW-17	4/27/20	3784.40	67.01	--	0.00	3717.39	--
MW-17	5/11/20	3784.40	67.02	--	0.00	3717.38	--
MW-17	6/18/20	3784.40	66.87	--	0.00	3717.53	--
MW-17	7/27/20	3784.40	66.94	--	0.00	3717.46	--
MW-17	8/27/20	3784.40	67.01	--	0.00	3717.39	--
MW-17	9/15/20	3784.40	67.26	--	0.00	3717.14	--
MW-17	10/29/20	3784.40	67.38	--	0.00	3717.02	--
MW-17	12/11/20	3784.40	67.45	--	0.00	3716.95	--
MW-17	1/26/21	3784.40	67.56	--	0.00	3716.84	--
MW-17	2/8/21	3784.40	67.57	--	0.00	3716.83	75.15
MW-17	3/23/21	3784.40	67.62	--	0.00	3716.78	--
MW-17	4/26/21	3784.40	67.47	--	0.00	3716.93	--
MW-17	5/10/21	3784.40	67.75	--	0.00	3716.65	--
MW-17	7/28/21	3784.40	67.67	--	0.00	3716.73	--
MW-17	8/11/21	3784.40	67.92	--	0.00	3716.48	--
MW-17	9/27/21	3784.40	68.00	--	0.00	3716.40	75.15
MW-17	10/26/21	3784.40	68.03	--	0.00	3716.37	75.15
MW-17	11/8/21	3784.40	68.05	--	0.00	3716.35	75.15
MW-17	1/25/22	3784.40	68.22	--	0.00	3716.18	75.15
MW-17	2/8/22	3784.40	68.24	--	0.00	3716.16	74.98
MW-17	3/14/22	3784.40	68.34	--	0.00	3716.06	74.98
MW-17	4/15/22	3784.40	68.45	--	0.00	3715.95	74.98
MW-17	5/3/22	3784.40	68.41	--	0.00	3715.99	74.98
MW-17	6/13/22	3784.40	68.51	--	0.00	3715.89	74.98
MW-17	7/25/22	3784.40	68.57	--	0.00	3715.83	74.98
MW-17	8/22/22	3784.40	68.64	--	0.00	3715.76	74.98
MW-17	9/16/22	3784.40	68.67	--	0.00	3715.73	74.98
MW-17	9/19/22	3784.40	68.68	--	0.00	3715.72	74.98
MW-17	9/26/22	3784.40	68.69	--	0.00	3715.71	74.98
MW-17	9/30/22	3784.40	68.71	--	0.00	3715.69	74.98
MW-17	10/10/22	3784.40	68.74	--	0.00	3715.66	74.98

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-17	10/21/22	3784.40	68.76	--	0.00	3715.64	74.98
MW-17	10/27/22	3784.40	68.77	--	0.00	3715.63	74.98
MW-17	11/11/22	3784.40	68.79	--	0.00	3715.61	74.98
MW-18	4/15/20	3786.46	--	--	--	--	--
MW-18	4/16/20	3786.46	68.78	--	0.00	3717.68	88.00
MW-18	4/27/20	3786.46	68.82	--	0.00	3717.64	--
MW-18	5/11/20	3786.46	68.87	--	0.00	3717.59	--
MW-18	6/18/20	3786.46	68.91	--	0.00	3717.55	--
MW-18	7/27/20	3786.46	68.99	--	0.00	3717.47	--
MW-18	8/27/20	3786.46	69.06	--	0.00	3717.40	--
MW-18	9/15/20	3786.46	69.10	--	0.00	3717.36	--
MW-18	10/29/20	3786.46	69.21	--	0.00	3717.25	--
MW-18	12/11/20	3786.46	69.28	--	0.00	3717.18	--
MW-18	1/26/21	3786.46	69.38	--	0.00	3717.08	--
MW-18	2/8/21	3786.46	69.39	--	0.00	3717.07	88.06
MW-18	3/23/21	3786.46	69.17	--	0.00	3717.29	--
MW-18	4/26/21	3786.46	69.54	--	0.00	3716.92	--
MW-18	5/10/21	3786.46	69.57	--	0.00	3716.89	--
MW-18	7/28/21	3786.46	69.72	--	0.00	3716.74	--
MW-18	8/11/21	3786.46	69.75	--	0.00	3716.71	--
MW-18	9/27/21	3786.46	69.83	--	0.00	3716.63	88.06
MW-18	10/26/21	3786.46	69.89	--	0.00	3716.57	88.06
MW-18	11/8/21	3786.46	69.91	--	0.00	3716.55	88.06
MW-18	1/25/22	3786.46	70.06	--	0.00	3716.40	88.06
MW-18	2/7/22	3786.46	70.09	--	0.00	3716.37	88.25
MW-18	3/14/22	3786.46	70.16	--	0.00	3716.30	88.25
MW-18	4/15/22	3786.46	70.28	--	0.00	3716.18	88.25
MW-18	5/3/22	3786.46	70.25	--	0.00	3716.21	88.25
MW-18	6/13/22	3786.46	70.34	--	0.00	3716.12	88.25
MW-18	7/25/22	3786.46	70.42	--	0.00	3716.04	88.25
MW-18	8/22/22	3786.46	70.47	--	0.00	3715.99	88.25
MW-18	11/11/22	3786.46	70.63	--	0.00	3715.83	88.25
MW-19	3/10/20	3783.49	--	--	--	--	--
MW-19	3/23/20	3783.49	66.45	--	0.00	3717.04	85.76
MW-19	4/27/20	3783.49	66.51	--	0.00	3716.98	--
MW-19	5/11/20	3783.49	66.55	--	0.00	3716.94	--
MW-19	6/18/20	3783.49	66.61	--	0.00	3716.88	--
MW-19	7/27/20	3783.49	66.66	--	0.00	3716.83	--
MW-19	8/27/20	3783.49	66.73	--	0.00	3716.76	--
MW-19	9/15/20	3783.49	66.76	--	0.00	3716.73	--
MW-19	10/29/20	3783.49	66.89	--	0.00	3716.60	--
MW-19	12/11/20	3783.49	66.96	--	0.00	3716.53	--
MW-19	1/26/21	3783.49	67.06	--	0.00	3716.43	--
MW-19	2/8/21	3783.49	67.07	--	0.00	3716.42	85.10
MW-19	3/23/21	3783.49	67.13	--	0.00	3716.36	--
MW-19	4/26/21	3783.49	67.20	--	0.00	3716.29	--
MW-19	5/10/21	3783.49	67.25	--	0.00	3716.24	--
MW-19	7/28/21	3783.49	67.38	--	0.00	3716.11	--
MW-19	8/11/21	3783.49	67.43	--	0.00	3716.06	--
MW-19	9/27/21	3783.49	67.50	--	0.00	3715.99	85.10
MW-19	10/26/21	3783.49	67.54	--	0.00	3715.95	85.10
MW-19	11/8/21	3783.49	67.56	--	0.00	3715.93	85.10
MW-19	1/25/22	3783.49	67.73	--	0.00	3715.76	85.10
MW-19	2/7/22	3783.49	67.75	--	0.00	3715.74	85.65
MW-19	3/14/22	3783.49	67.82	--	0.00	3715.67	85.65
MW-19	4/15/22	3783.49	67.95	--	0.00	3715.54	85.65
MW-19	5/3/22	3783.49	67.91	--	0.00	3715.58	85.65
MW-19	6/13/22	3783.49	68.00	--	0.00	3715.49	85.65
MW-19	7/25/22	3783.49	68.08	--	0.00	3715.41	85.65
MW-19	8/22/22	3783.49	68.14	--	0.00	3715.35	85.65
MW-19	11/11/22	3783.49	68.29	--	0.00	3715.20	85.65
MW-20	3/3/20	3781.34	--	--	--	--	--
MW-20	3/23/20	3781.34	64.75	--	0.00	3716.59	88.13
MW-20	4/27/20	3781.34	64.81	--	0.00	3716.53	--
MW-20	5/11/20	3781.34	64.83	--	0.00	3716.51	--
MW-20	6/18/20	3781.34	64.91	--	0.00	3716.43	--
MW-20	7/27/20	3781.34	64.96	--	0.00	3716.38	--
MW-20	8/27/20	3781.34	65.03	--	0.00	3716.31	--
MW-20	9/15/20	3781.34	65.04	--	0.00	3716.30	--
MW-20	10/29/20	3781.34	65.18	--	0.00	3716.16	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (feet BTOC)
MW-20	12/11/20	3781.34	65.27	--	0.00	3716.07	--
MW-20	1/26/21	3781.34	65.35	--	0.00	3715.99	--
MW-20	2/8/21	3781.34	65.36	--	0.00	3715.98	88.06
MW-20	3/23/21	3781.34	65.44	--	0.00	3715.90	--
MW-20	4/26/21	3781.34	65.48	--	0.00	3715.86	--
MW-20	5/10/21	3781.34	65.55	--	0.00	3715.79	--
MW-20	7/28/21	3781.34	65.67	--	0.00	3715.67	--
MW-20	8/11/21	3781.34	65.70	--	0.00	3715.64	--
MW-20	9/27/21	3781.34	65.79	--	0.00	3715.55	88.06
MW-20	10/26/21	3781.34	65.83	--	0.00	3715.51	88.06
MW-20	11/8/21	3781.34	65.85	--	0.00	3715.49	88.06
MW-20	1/25/22	3781.34	66.02	--	0.00	3715.32	88.06
MW-20	2/8/22	3781.34	66.03	--	0.00	3715.31	87.80
MW-20	3/14/22	3781.34	66.11	--	0.00	3715.23	87.80
MW-20	4/15/22	3781.34	66.22	--	0.00	3715.12	87.80
MW-20	5/3/22	3781.34	66.21	--	0.00	3715.13	87.80
MW-20	6/13/22	3781.34	66.29	--	0.00	3715.05	87.80
MW-20	7/25/22	3781.34	66.35	--	0.00	3714.99	87.80
MW-20	8/22/22	3781.34	66.43	--	0.00	3714.91	87.80
MW-20	11/11/22	3781.34	66.57	--	0.00	3714.77	87.80

Notes:

1. Monitoring well gauging data listed from 2008 and 2010 were reported by NOVA
2. NAVD88 - North American Vertical Datum of 1988
3. BTOC - Below Top-of-Casing
4. LNAPL - Light Non-Aqueous Phase Liquids
5. -- = No gauging data collected on corresponding date
6. Dry - No fluid column measured in correponding monitoring well
7. NA - Not Available
8. P&A - Plugged and Abandoned
9. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimenter (g/cc)

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-1R	3/1/17	**0.290**	<0.100	<0.100	<0.100
MW-1R	6/1/17	**0.1716**	**0.00443**	**0.0105**	**0.0360**
MW-1R	9/1/17	**1.150**	**0.00521**	**0.0207**	**0.0909**
MW-1R	11/30/17	**0.072**	<0.00200	<0.00200	**0.00315**
MW-1R	3/2/18	**0.388**	**0.00286**	**0.00969**	**0.0333**
MW-1R	5/30/18	**0.074**	**0.00281**	**0.0377**	**0.118**
MW-1R	8/31/18	**0.452**	<0.000412	**0.0121**	**0.0416**
MW-1R	11/30/18	**0.645**	<0.000412	**0.0146**	**0.0581**
MW-1R	2/26/19	**0.208**	**0.00300**	**0.00664**	**0.0249**
MW-1R	5/21/19	**0.297**	<0.00206	**0.00248 J**	**0.00851**
MW-1R	7/26/19	**0.153**	<0.00206	**0.00244 J**	**0.0124**
MW-1R	10/23/19	**0.167**	<0.00206	**0.00269**	**0.0124**
MW-1R	2/17/20	**0.0975**	<0.000412	**0.00152**	**0.00655**
MW-1R (DUP-1)	2/17/20	**0.0951**	<0.000412	**0.00210**	**0.00697**
MW-1R	5/22/20	**0.0459**	<0.000412	**0.000352**	**0.00210**
MW-1R	9/16/20	**0.0627**	<0.000412	**0.000539**	**0.00383**
MW-1R	10/30/20	**0.131**	<0.000412	**0.00110**	**0.00897**
MW-1R (DUP-1)	10/30/20	**0.115**	<0.000412	**0.00088**	**0.00718**
MW-1R	2/9/21	**0.0363**	<0.000412	**0.000284 J**	**0.00152**
MW-1R	5/13/21	**0.0319**	<0.000412	**0.000419 J**	**0.00273**
MW-1R	8/12/21	**0.0167**	<0.000412	**0.000250 J**	**0.00248**
MW-1R	11/8/21	**0.00695**	<0.000412	<0.000160	<0.000510
MW-1R	2/8/22	**0.00635**	<0.000412	**0.000264 J**	**0.00405**
MW-1R (DUP-1)	2/8/22	**0.00280**	<0.000412	**0.000358 J**	**0.00479**
MW-1R	5/3/22	**0.00302**	<0.000412	**0.000498 J**	**0.00351**
MW-1R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	11/11/22	**0.00116**	**0.0132**	<0.000160	**0.00991**
MW-2R	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-2R	8/31/18	**0.00255**	<0.000412	<0.000160	<0.000510
MW-2R	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R (DUP-2)	11/30/18	**0.000679**	<0.000412	<0.000160	<0.000510
MW-2R	2/26/19	**0.000844**	<0.000412	**0.000218**	<0.000510
MW-2R	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/13/21	**0.000191 J**	<0.000412	<0.000160	<0.000510
MW-2R	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R (DUP-1)	8/12/21	**0.00594**	<0.000412	<0.000160	**0.00322**
MW-2R	11/8/21	**0.000360 J**	<0.000412	<0.000160	<0.000510
MW-2R	2/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/3/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	11/11/22	<0.000190	**0.000567 J**	**0.000468 J**	<0.000510
MW-3R	2/17/20	LNAPL	--	--	--
MW-3R	5/22/20	LNAPL	--	--	--
MW-3R	9/16/20	LNAPL	--	--	--
MW-3R	10/30/20	LNAPL	--	--	--
MW-3R	2/9/21	LNAPL	--	--	--

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-3R	5/13/21	LNAPL	--	--	--
MW-3R	8/12/21	LNAPL	--	--	--
MW-3R	8/23/22	**2.71**	**0.0816**	**0.251**	**0.369**
MW-3R	11/11/22	**2.69**	**0.281**	**0.363**	**0.770**
MW-3R (DUP-1)	11/11/22	**2.93**	**0.264**	**0.436**	**0.869**
MW-4	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4 (DUP-2)	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	8/31/18	**0.000668**	<0.000412	**0.000331 J**	<0.000510
MW-4	11/30/18	**0.000896**	<0.000412	<0.000160	<0.000510
MW-4	2/26/19	<0.000190	<0.000412	**0.000328 J**	**0.00359**
MW-4	5/21/19	**0.000286 J**	<0.000412	<0.000160	**0.00272**
MW-4	7/26/19	**0.000875**	<0.000412	**0.000161 J**	<0.000510
MW-4	10/23/19	**0.000455 J**	**0.000423 J**	**0.000220 J**	<0.000510
MW-4	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4 (DUP-2)	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	10/30/20	**0.000350 J**	<0.000412	**0.000204 J**	<0.000510
MW-4	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	5/13/21	**0.000411 J**	<0.000412	**0.000239 J**	<0.000510
MW-4	8/12/21	**0.000392 J**	<0.000412	<0.000160	<0.000510
MW-4	11/8/21	**0.000436 J**	<0.000412	**0.000215 J**	<0.000510
MW-4	2/8/22	**0.000325 J**	<0.000412	<0.000160	<0.000510
MW-4	5/3/22	**0.000211 J**	<0.000412	<0.000160	<0.000510
MW-4	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	11/11/22	<0.000190	**0.000479 J**	**0.000222 J**	<0.000510
MW-5	3/1/17	**0.00553**	<0.00200	<0.00200	**0.00589**
MW-5 (DUP-1)	3/1/17	**0.00748**	<0.00200	<0.00200	**0.00700**
MW-5	6/1/17	**0.00574**	**0.00455**	<0.00200	**0.01010**
MW-5 (DUP-2)	6/1/17	**0.00694**	**0.00447**	<0.00200	**0.00852**
MW-5	9/1/17	**0.00330**	**0.00925**	<0.00200	**0.00818**
MW-5 (DUP-2)	9/1/17	**0.00271**	**0.00800**	<0.00200	**0.00201**
MW-5	11/30/17	<0.00200	**0.00825**	<0.00200	**0.00479**
MW-5 (DUP-1)	11/30/17	<0.00200	**0.00694**	<0.00200	<0.00200
MW-5	3/2/18	<0.00200	**0.00395**	<0.00200	<0.00200
MW-5 (DUP-2)	3/2/18	<0.00200	**0.00358**	<0.00200	<0.00200
MW-5	5/30/18	**0.00206**	**0.00208**	<0.00200	**0.0135**
MW-5 (DUP-2)	5/30/18	**0.00212**	**0.00280**	<0.00200	**0.0149**
MW-5	8/31/18	**0.00982**	<0.000412	<0.000160	**0.00942**
MW-5 (DUP-1)	8/31/18	**0.0147**	<0.000412	<0.000160	**0.02550**
MW-5	11/30/18	**0.0132**	<0.000412	**0.0296**	<0.000510
MW-5	2/26/19	**0.00355**	<0.000412	<0.000160	**0.00368**
MW-5	5/21/19	**0.00558**	**0.00117**	**0.00855**	**0.00273**
MW-5	7/26/19	**0.00878**	<0.000412	<0.000160	**0.00183**
MW-5 (DUP-1)	7/26/19	**0.00900**	<0.000412	<0.000160	**0.00174**
MW-5	10/23/19	**0.00445**	<0.000412	<0.000160	<0.000510
MW-5	2/17/20	**0.0157**	<0.000412	<0.000160	<0.000510
MW-5	5/22/20	**0.00327**	<0.000412	<0.000160	<0.000510
MW-5 (DUP-1)	5/22/20	**0.00524**	<0.000412	<0.000160	<0.000510
MW-5	9/16/20	**0.00991**	**0.0237**	<0.000160	**0.00340**
MW-5	10/30/20	**0.00594**	**0.000580 J**	**0.000987**	**0.00186**
MW-5	2/9/21	<0.000190	<0.000412	<0.000160	**0.00159**
MW-5 (DUP-2)	2/9/21	<0.000190	<0.000412	<0.000160	**0.00161**
MW-5	5/13/21	**0.0219**	**0.00205**	**0.000301 J**	**0.00284**
MW-5	8/12/21	<0.000190	<0.000412	<0.000160	**0.000674 J**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW-5	11/8/21	**0.00119**	<0.000412	<0.000160	**0.00170**
MW-5	2/8/22	<0.000190	<0.000412	<0.000160	**0.000732 J**
MW-5	5/3/22	**0.00102**	<0.000412	<0.000160	**0.00101 J**
MW-5	8/23/22	<0.000190	<0.000412	<0.000160	**0.00305**
MW-5	11/11/22	**0.00181**	**0.00322**	**0.0187**	**0.00658**
MW-6	3/1/17	**0.02030**	<0.00200	**0.0264**	**0.00720**
MW-6	6/1/17	**0.01880**	**0.00467**	**0.0302**	**0.01140**
MW-6	9/1/17	**0.00710**	**0.00433**	**0.0132**	**0.00726**
MW-6	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-6	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-6	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-6	8/31/18	<0.000190	<0.000412	**0.000317 J**	**0.00133 J**
MW-6	11/30/18	**0.000572**	<0.000412	<0.000160	<0.000510
MW-6	2/26/19	**0.000490 J**	<0.000412	**0.00370**	**0.00603**
MW-6	5/21/19	**0.000883**	<0.000412	**0.00160**	**0.00362**
MW-6	7/26/19	**0.000931**	<0.000412	<0.000160	<0.000510
MW-6	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-6 (Dup-1)	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	5/13/21	**0.000255 J**	<0.000412	<0.000160	<0.000510
MW-6	8/12/21	**0.000326 J**	<0.000412	**0.000181 J**	<0.000510
MW-6	11/8/21	**0.000393 B J**	<0.000412	**0.00111**	<0.000510
MW-6	2/7/22	<0.000190	**0.000435 J**	<0.000160	**0.000544 J**
MW-6	5/3/22	**0.000287 J**	<0.000412	<0.000160	<0.000150
MW-6	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	11/11/22	<0.000190	**0.000504 J**	**0.000212 J**	<0.000510
MW-7	2/17/20	LNAPL	--	--	--
MW-7	5/22/20	LNAPL	--	--	--
MW-7	9/16/20	LNAPL	--	--	--
MW-7	10/30/20	LNAPL	--	--	--
MW-7	2/9/21	LNAPL	--	--	--
MW-7	5/13/21	LNAPL	--	--	--
MW-7	8/12/21	LNAPL	--	--	--
MW-7	5/12/22	**4.04**	**0.188**	**0.255**	**0.678**
MW-7	8/23/22	**2.44**	**0.000619 J**	**0.120**	**0.160**
MW-7	11/11/22	**4.58**	**0.338**	**0.427**	**0.826**
MW-8	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-8 (DUP-1)	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	2/26/19	<0.000190	<0.000412	**0.000177 J**	<0.000510
MW-8	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	5/22/20	NS	--	--	--
MW-8	9/16/20	NS	--	--	--
MW-8	10/30/20	NS	--	--	--
MW-8	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	5/13/21	NS	--	--	--
MW-8	8/12/21	NS	--	--	--

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-8	2/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	11/11/22	<0.000190	**0.000471 J**	**0.000289 J**	<0.000510
MW-9	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/26/19	<0.000190	<0.000412	**0.000436 J**	<0.000510
MW-9	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/30/20	NS	--	--	--
MW-9	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/13/21	NS	--	--	--
MW-9	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/11/22	<0.000190	**0.000412 J**	**0.000286 J**	<0.000510
MW-10	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	2/26/19	<0.000190	<0.000412	**0.000763**	**0.000675 J**
MW-10	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	11/8/21	**0.000265 J**	<0.000412	<0.000160	<0.000510
MW-11	5/31/17	Dry	--	--	--
MW-11	8/31/17	Dry	--	--	--
MW-11	11/30/17	Dry	--	--	--
MW-11	3/2/18	Dry	--	--	--
MW-11	5/30/18	Dry	--	--	--
MW-11	2/26/19	Dry	--	--	--
MW-11	5/21/19	Dry	--	--	--
MW-11	7/26/19	Dry	--	--	--
MW-11	10/23/19	Dry	--	--	--
MW-11	2/19/20	P&A	--	--	--
MW-12	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12 (DUP-1)	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12 (DUP-1)	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-12	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12 (DUP-1)	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12 (DUP-1)	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	2/26/19	<0.000190	<0.000412	**0.000269 J**	<0.000510
MW-12 (DUP-1)	2/26/19	<0.000190	<0.000412	**0.000162 J**	<0.000510
MW-12	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12 (DUP-1)	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/8/21	**0.000205 J**	<0.000412	<0.000160	<0.000510
MW-12	2/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/3/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/11/22	<0.000190	**0.000441 J**	**0.000297 J**	<0.000510
MW-13	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-13	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-13	9/1/17	**0.00204**	<0.00200	<0.00200	<0.00200
MW-13	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-13 (DUP-2)	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-13	3/2/18	--	--	--	--
MW-13	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-13	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-13 (DUP-2)	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/26/19	<0.000190	<0.000412	**0.000168 B J**	<0.000510
MW-13	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/19/20	P&A	--	--	--
MW-14	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	2/19/20	P&A	--	--	--
MW-15	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	6/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	3/2/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	8/31/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	11/30/18	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-15	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15 (DUP-2)	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	7/26/19	Dry	--	--	--
MW-15	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	5/22/20	Dry	--	--	--
MW-15	9/16/20	Dry	--	--	--
MW-15	10/30/20	Dry	--	--	--
MW-15	2/9/21	Dry	--	--	--
MW-15	5/13/21	Dry	--	--	--
MW-15	8/12/21	Dry	--	--	--
MW-16	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16	5/30/17	Dry	--	--	--
MW-16	8/31/17	Dry	--	--	--
MW-16	11/30/17	Dry	--	--	--
MW-16	3/2/18	Dry	--	--	--
MW-16	5/30/18	Dry	--	--	--
MW-16	8/29/18	Dry	--	--	--
MW-16	11/30/18	Dry	--	--	--
MW-16	2/26/19	Dry	--	--	--
MW-16	5/21/19	Dry	--	--	--
MW-16	7/24/19	Dry	--	--	--
MW-16	10/23/19	Dry	--	--	--
MW-16	2/19/20	P&A	--	--	--
MW-17	6/1/17	**0.665**	**0.192**	**0.114**	**0.321**
MW-17	9/1/17	**1.56**	**0.0844**	**0.206**	**0.649**
MW-17	3/2/18	**1.71**	**0.0376**	**0.206**	**0.299**
MW-17	5/30/18	**1.74**	**0.00308**	**0.0979**	**0.128**
MW-17	11/30/18	**1.24**	**0.0259**	**0.170**	**0.223**
MW-17	2/26/19	**3.31**	**0.0105**	**0.230**	**0.234**
MW-17	5/21/19	**1.27**	**0.0219**	**0.168**	**0.258**
MW-17(DUP-2)	5/21/19	**1.26**	**0.0229**	**0.164**	**0.253**
MW-17	7/26/19	**2.88**	<0.00824	**0.252**	**0.208**
MW-17 (DUP-2)	7/26/19	**2.81**	<0.00412	**0.264**	**0.189**
MW-17	10/23/19	**1.54**	<0.00824	**0.171**	**0.293**
MW-17 (Dup-2)	10/23/19	**1.26**	<0.0412	**0.201**	**0.201**
MW-17	2/17/20	**0.657**	<0.00206	**0.134**	**0.161**
MW-17	5/22/20	**1.530**	<0.00412	**0.0605**	**0.0635**
MW-17	9/16/20	**0.743**	**0.0547**	**0.0357**	**0.0735**
MW-17 (DUP-1)	9/16/20	**1.22**	**0.0639**	**0.0691**	**0.132**
MW-17	10/30/20	**0.790**	<0.0103	**0.0446**	**0.058**
MW-17	2/9/21	**1.68**	<0.0103	**0.0718**	**0.0783**
MW-17	5/13/21	**0.919**	<0.0103	**0.0513**	**0.0535**
MW-17 (DUP-2)	5/13/21	**0.903**	**0.00166**	**0.0503**	**0.0511**
MW-17	8/12/21	**0.808**	<0.0103	**0.0225 B**	**0.0171 J**
MW-17	11/8/21	**0.914**	<0.0103	**0.0159**	**0.0223 J**
MW-17 (DUP)	11/8/21	**0.839**	**0.000911 J**	**0.0449**	**0.0417**
MW-17	2/8/22	**0.547**	<0.000412	**0.00800**	**0.0132**
MW-17 (DUP-2)	2/8/22	**0.533**	<0.000412	**0.00983**	**0.0201**
MW-17	5/3/22	**0.840**	<0.00412	**0.00569**	**0.00589 J**
MW-17	8/23/22	**0.260**	<0.00412	<0.00160	<0.00150
MW-17	11/11/22	**0.261**	<0.00412	**0.0254**	**0.0269**
MW-17 (DUP-2)	11/11/22	**0.271**	<0.000412	**0.0255**	**0.0268**
MW-18	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-18	5/13/21	<0.000190	<0.000412	**0.000381 J**	**0.00128 J**
MW-18	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	11/8/21	<0.000190	**0.000462 J**	<0.000160	<0.000510
MW-18	2/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	5/3/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	11/11/22	<0.000190	<0.000412	**0.000337 J**	<0.000510
MW-19	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19 (DUP-1)	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	11/8/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	2/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	5/3/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	11/11/22	<0.000190	**0.000463 J**	**0.000366 J**	<0.000510
MW-20	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20 (DUP-1)	2/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20 (DUP-2)	8/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	11/8/21	**0.000311 J**	**0.000530 J**	<0.000160	<0.000510
MW-20	2/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	5/3/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	11/11/22	<0.000190	<0.000412	**0.000337 J**	<0.000510
Trip Blank	2/26/19	<0.000190	<0.000412	**0.000385 J**	<0.000510
Trip Blank	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	8/29/22	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/11/22	<0.000190	<0.000412	**0.000290 J**	<0.000510
Equip Blank	11/11/22	<0.000190	**0.000507 J**	**0.000276 J**	<0.000510

Notes:
1. Sample results listed from 2008 and 2010 were collected and reported by NOVA
2. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B
3. All reported concentrations are reported as milligrams per Liter (mg/L)
4. Bold font indicates laboratory detection
5. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards
6. < = Not detected above the Sample Detection Limit
7. J = Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
8. DUP - Duplicate Sample
9. LNAPL - Light Non-Aqueous Phase Liquid
10. Dry - No fluid column measured in monitoring well
11. NS - Not Sampled
12. -- = No analytical data reported for corresponding date
13. P&A - Plugged and Abandoned

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

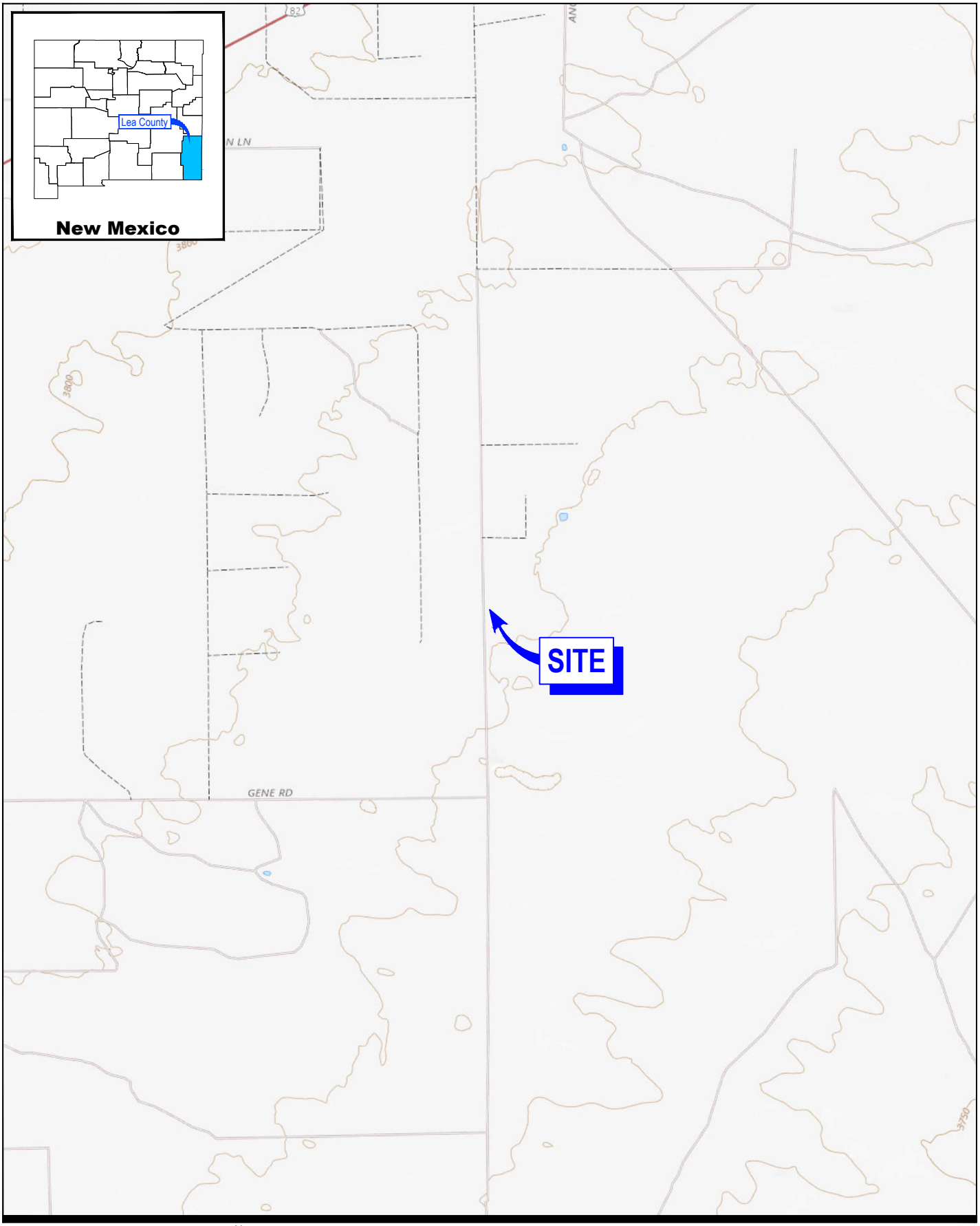
Monitoring Well ID	Sample Date	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.001**	**0.001**	**0.001**	**0.001**	**0.0002**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.03**		
MW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.024**	<0.000922	**0.0589**	<0.000922	**0.0849**	<0.000922	**0.135**	**0.397**	**0.529**
MW-1	12/3/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.00956**	<0.000917	**0.0262**	<0.000917	**0.0356**	<0.000917	**0.0776**	**0.204**	**0.286**
MW-1R	11/19/14	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.000261**	<0.000186	<0.000186	**0.000541**	**0.000193**	**0.000859**	**0.00107**	**0.000273**
MW-1R	12/4/15	<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	**0.00514**	**0.00373**	**0.00184**
MW-1R	11/3/16	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000513**	<0.000184	<0.000184	<0.000184	**0.00135**	**0.000314**	**0.00297**	**0.00205**	**0.00088**
MW-1R	11/30/17	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	**0.000199**	<0.000192	**0.000213**	<0.000192	**0.000383**	<0.000192	**0.00265**	**0.000905**	**0.000422**
MW-1R	11/30/18	**0.0000522**	**0.0000596**	<0.0000120	<0.00000410	**0.0000164 J**	**0.0000023 J**	<0.00000227	<0.0000136	<0.0000108	**0.0000181 J**	**0.000520**	<0.0000157	**0.000426**	<0.0000148	**0.000459**	<0.0000117	**0.0123**	**0.00564**	**0.00530**
MW-1R	10/23/19	**0.0000404 J**	**0.0000581**	**0.0000120**	**0.00000410**	**0.0000116**	**0.00000212**	**0.00000227**	**0.0000136**	**0.0000108**	**0.00000396**	**0.000413**	<0.0000157	**0.000335**	<0.0000148	**0.000193**	**0.0000121 J**	**0.00264**	**0.00163**	**0.000991**
MW-2	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-2	12/3/09	<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-2R	11/19/14	<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	**0.000506**	<0.000190	<0.000190	<0.000190	<0.000190
MW-2R	12/4/15	<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-2R	11/3/16	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000287**	<0.000184	<0.000184	<0.000184
MW-3R	11/11/22	<0.0000190	**0.000598**	<0.0000171	<0.0000203	<0.0000184	**0.0000313 J**	**0.0000243**	<0.0000202	**0.000127**	<0.0000160	**0.00209**	**0.000111**	**0.00229**	<0.0000158	**0.00332**	**0.0000747**	**0.0547**	**0.0414**	**0.0514**
MW-4	12/11/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00141**	<0.000185	**0.00202**	<0.000185	**0.001**	<0.000185	**0.00565**	**0.00523**	**0.00331**
MW-4	12/3/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000877**	<0.000184	**0.00140**	<0.000184	**0.000405**	<0.000184	**0.00532**	**0.00272**	**0.00179**
MW-4	12/1/11	<0.000184	<0.000184	<0.000184	<0.000184	**0.000331**	<0.000184	**0.00158**	<0.000184	<0.000184	**0.000872**	**0.000569**	<0.000184	**0.000610**	**0.00118**	<0.000184	<0.000184	**0.00122**	**0.00250**	**0.000750**
MW-4	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00106**	<0.000190
MW-4	12/4/15	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198
MW-4	11/3/16	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.000351**	<0.000186	<0.000186	<0.000186
MW-5	12/11/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.041**	<0.000917	**0.0758**	<0.000917	**0.115**	<0.000917	**0.376**	**0.949**	**1.26**
MW-5	12/3/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00208**	<0.000184	**0.00325**	<0.000184	**0.00328**	<0.000184	**0.0305**	**0.0414**	**0.0374**
MW-5	11/29/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.0029**	<0.000186	**0.00476**	<0.000186	**0.00625**	<0.000186	**0.0484**	**0.0498**	**0.0617**
MW-5	11/19/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.00134**	<0.000200	**0.00208**	<0.000200	**0.0073**	**0.0124**	**0.0140**
MW-5	11/3/16	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00537**	<0.000184	**0.00417**	**0.0185**	**0.0135**
MW-5	11/30/17	<0.000195	<0.000195	<0.000195	**0.000380**	<0.000195	<0.000195	<0.000195	<0.000195	**0.000305**	<0.000195	<0.000195	<0.000195	**0.000200**	<0.000195	<0.000195	<0.000195	<0.000391	---	---
MW-5	11/30/18	**0.000737**	<0.0000200	<0.0000240	<0.00000820	<0.0000232	**0.0000535 J**	**0.0000306 J**	<0.0000272	**0.0000858 J**	<0.00000792	**0.000420**	**0.000122**	**0.000807**	<0.0000296	**0.00114**	**0.000382**	**0.000378 J**	**0.00279**	**0.00272**
MW-5	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	**0.0000441 J**	**0.0000883**	<0.0000158	<0.0000180	**0.0000249 J**	<0.0000917	**0.000230 J**	**0.000149 J**
MW-5	11/8/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	**0.0000405 J**	<0.0000184	<0.0000202	**0.000114**	<0.0000160	**0.000562**	**0.000112**	**0.000887**	<0.0000158	**0.00131**	**0.0000732**	**0.000198 J**	**0.00295**	**0.00240**
MW-6	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00128**	<0.000184	**0.00226**	<0.000184	**0.0006**	<0.000184	**0.00187**	**0.00275**	**0.00193**
MW-6	12/3/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00305**	<0.000183	**0.00686**	<0.000183	**0.00871**	<0.000183	**0.0102**	**0.0428**	**0.0553**
MW-6	11/29/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.000781**	<0.000186	**0.0011**	<0.000186	<0.000186	<0.000186	**0.00213**	**0.000871**	**0.000671**
MW-6	12/1/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00104**	<0.000183	**0.00146**	<0.000183	**0.000675**	**0.00362**	<0.000183
MW-6	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-6	11/19/14	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	**0.000328**	**0.000718**	<0.000195	<0.000195	**0.00113**	<0.000195	**0.000462**	**0.00237**	**0.000459**
MW-6	12/4/15	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	**0.000291**	<0.000197	**0.000506**	<0.000197	<0.000197	<0.000197	<0.000197	**0.00083**	<0.000197
MW-6	11/3/16	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00183**	**0.00311**	**0.000367**
MW-6	11/30/17	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.000211**	<0.000185	**0.000222**	<0.000185	**0.000299**	<0.000185	**0.000472**	<0.000185	<0.000369	**0.00065**	<0.000185
MW-6	11/30/18	**0.0000927**	**0.0000392 J**	<0.0000120	<0.00000410	**0.0000167 J**	**0.00000549 J**	**0.00000437 J**	<0.0000136	<0.0000108	**0.0000179 J**	**0.0000485 J**	<0.0000157	**0.0000211 J**	<0.0000148	**0.0000413 J**	**0.0000359 J**	**0.00026**	**0.0000145 J**	<0.00000902
MW-7	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0153**	<0.000183	**0.0218**	<0.000183	**0.0367**	<0.000183	**0.147**	**0.265**	**0.339**
MW-7	12/3/09	<0.000917	<0.000917	0.0270	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0663**	<0.000917	**0.105**	<0.000917	**0.149**	<0.000917	**0.416**	**1.04**	**1.43**
MW-7	11/11/22	<0.0000190	**0.000665**	<0.0000171	<0.0000203	**0.0000402 J**	**0.0000716**	**0.0000428 J**	<0.0000202	**0.000235**	<0.0000160	**0.00255**	**0.000251**	**0.00284**	<0.0000158	**0.00384**	**0.000158**	**0.0745**	**0.0479**	**0.0527**
MW-8	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-8	12/3/09	<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-9	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-9	12/3/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-10	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000623**	<0.000184	**0.000652**	<0.000184	<0.000184	<0.000184	**0.000526**	**0.00118**	**0.000314**
MW-10	12/3/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000772**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000525**	**0.00118**	<0.000183
MW-10	12/1/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00101**	<0.000183	**0.000873**	<0.000183	<0.000183	<0.000183	**0.000358**	**0.00355**	<0.000183
MW-10	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-10	12/4/15	<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
MW-11	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-11	12/3/09	<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

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Monitoring Well ID	Sample Date	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.001**	**0.001**	**0.001**	**0.001**	**0.0002**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.001**	**0.03**		
MW-12	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-12	12/3/09	<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	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-12	12/4/15	<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
MW-12	11/30/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	**0.0000157 J**	<0.00000212	<0.00000227	<0.0000136	<0.0000108	**0.0000176 J**	**0.00000236 J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.000140 J**	<0.00000821	<0.00000902
MW-13	12/11/08	<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	<0.000187	<0.000187	<0.000187	<0.000187
MW-13	12/3/09	<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-14	12/11/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-14	12/3/09	<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-15	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-15	12/3/09	<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	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-16	12/3/09	<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-17	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0437**	<0.000922	**0.0694**	<0.000922	**0.113**	<0.000922	**0.398**	**0.888**	**1.24**
MW-17	12/3/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0444**	<0.000922	**0.0709**	<0.000922	**0.102**	<0.000922	**0.270**	**0.704**	**0.946**
MW-17	11/30/18	**0.000238**	**0.000138**	<0.0000120	<0.00000410	<0.0000116	**0.0000148 J**	**0.00000925 J**	<0.0000136	**0.0000284 J**	<0.00000396	**0.00126**	<0.0000157	**0.00103**	<0.0000148	**0.00147**	**0.000112**	**0.0450**	**0.0344**	**0.0401**
MW-17	10/23/19	**0.000380**	**0.000463**	<0.0000120	<0.00000410	**0.0000125 J**	**0.0000211 J**	**0.0000143 J**	<0.0000136	**0.0000639**	<0.00000396	**0.00186**	**0.0000518**	**0.00168**	<0.0000148	**0.00223**	**0.000174**	**0.0682**	**0.0501**	**0.0576**
MW-17	10/30/20	<0.0000190	**0.000631**	<0.0000171	**0.00019300**	<0.0000184	<0.0000168	<0.0000184	<0.0000202	**0.0001320**	<0.0000160	**0.00156**	**0.000100 J**	**0.00173**	<0.0000158	**0.00334**	<0.0000169	**0.0366**	**0.0300**	**0.0341**
MW-17	11/8/21	<0.0000190	**0.000404**	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.00156**	<0.0000270	**0.00117**	<0.0000158	**0.00208**	**0.0000224 J**	**0.0477**	**0.0322**	**0.0367**
MW-17	11/11/22	<0.0000191	**0.000344**	<0.0000171	<0.0000203	<0.0000184	**0.0000194 J**	<0.0000184	<0.0000203	**0.0000850**	<0.0000161	**0.000886**	**0.0000617 J**	**0.000966**	<0.0000159	**0.00184**	**0.0000454 J**	**0.0151**	**0.0145**	**0.0142**
MW-18	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-18	11/8/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-19	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-19	11/8/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-20	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-20	11/8/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
WW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.027**	<0.000922	**0.0757**	<0.000922	**0.122**	<0.000922	**0.382**	**0.934**	**1.38**
WW-1	12/3/09	<0.000183	<0.000183	<A10.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00423**	<0.000183	**0.00792**	<0.000183	**0.0110**	<0.000183	**0.0355**	**0.0772**	**0.105**

Notes:
1. Sample results listed from 2008 and 2010 were collected and reported by NOVA
2. Polycyclic Aromatic Hydrocarbons (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C-SIM
3. All reported concentrations are reported as milligrams per Liter (mg/L)
4. Bold font indicates laboratory detection.
5. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards
6. Green shaded cells indicate results meeting NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the Human Health Standar
7. < = Not detected above the Sample Detection Limit
8. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
9. NMWQCC Human Health Standard for combined naphthalene + 1-methylnaphthalene + 2-methylnaphthalene is 0.03 mg/L per NMAC 20.6.2.3103 A.(1)(jj)



0 1000 2000 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

Project No. **12572685**
Date **March 2023**

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: USGS 7.5 Minute Quad "Prairieview, New Mexico"
Lat/Long: 33.0175° North, 103.1624° West

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

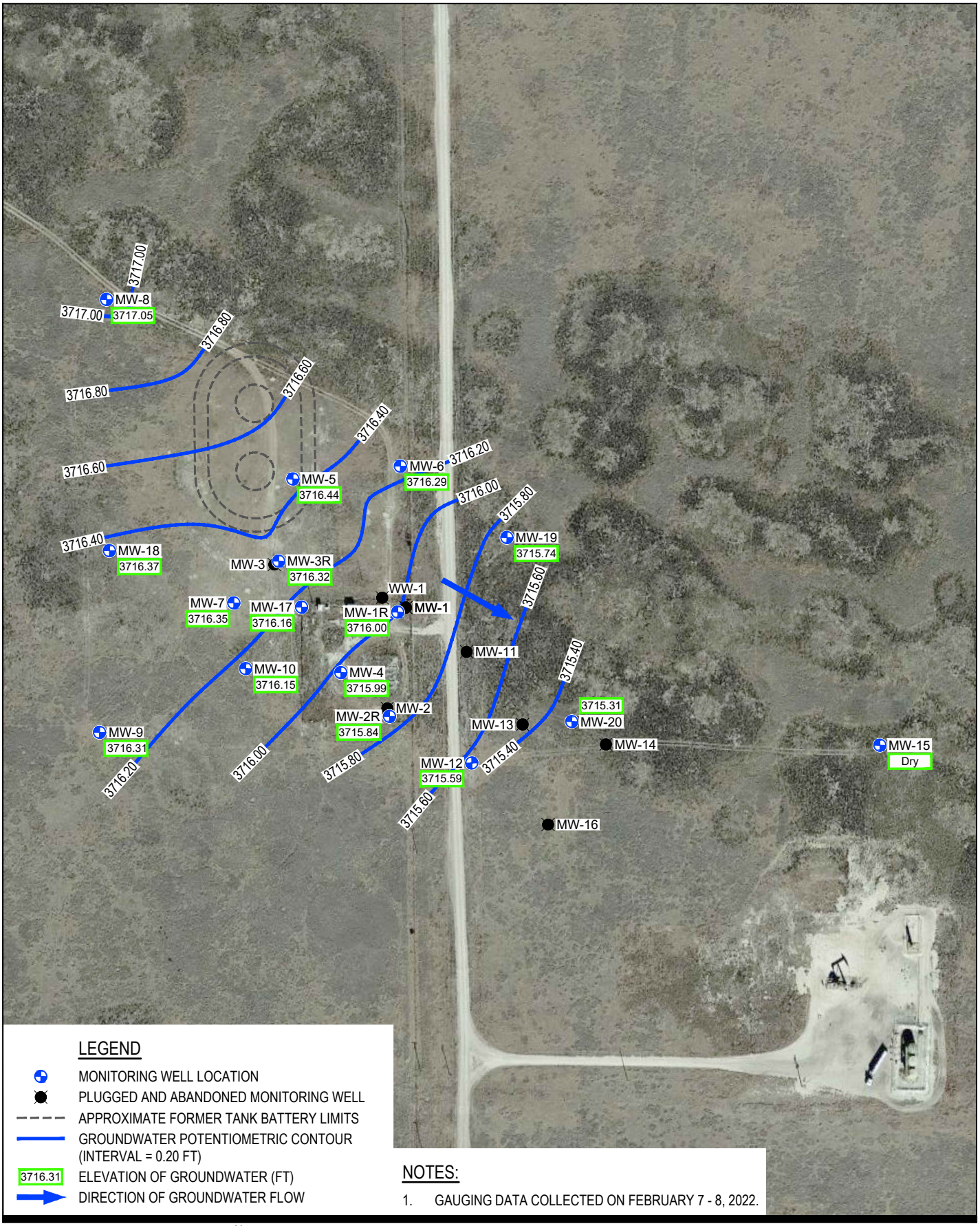
Project No. **12572685**
Date **March 2023**

SITE DETAILS MAP

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE FORMER TANK BATTERY LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.20 FT)
- 3716.31 ELEVATION OF GROUNDWATER (FT)
- DIRECTION OF GROUNDWATER FLOW

NOTES:

1. GAUGING DATA COLLECTED ON FEBRUARY 7 - 8, 2022.

0 100 200 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

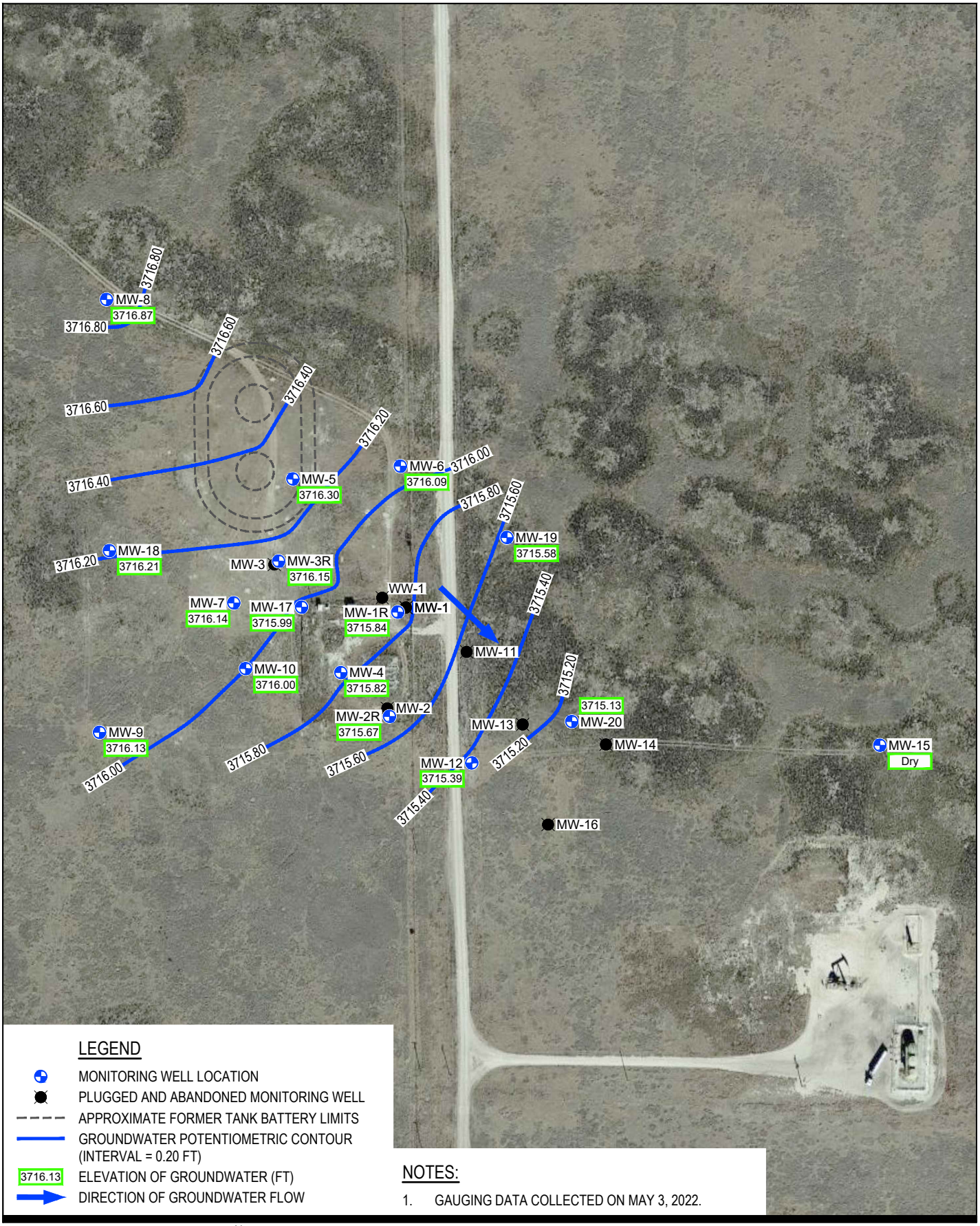
GROUNDWATER GRADIENT MAP
FEBRUARY 7 - 8, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 3

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

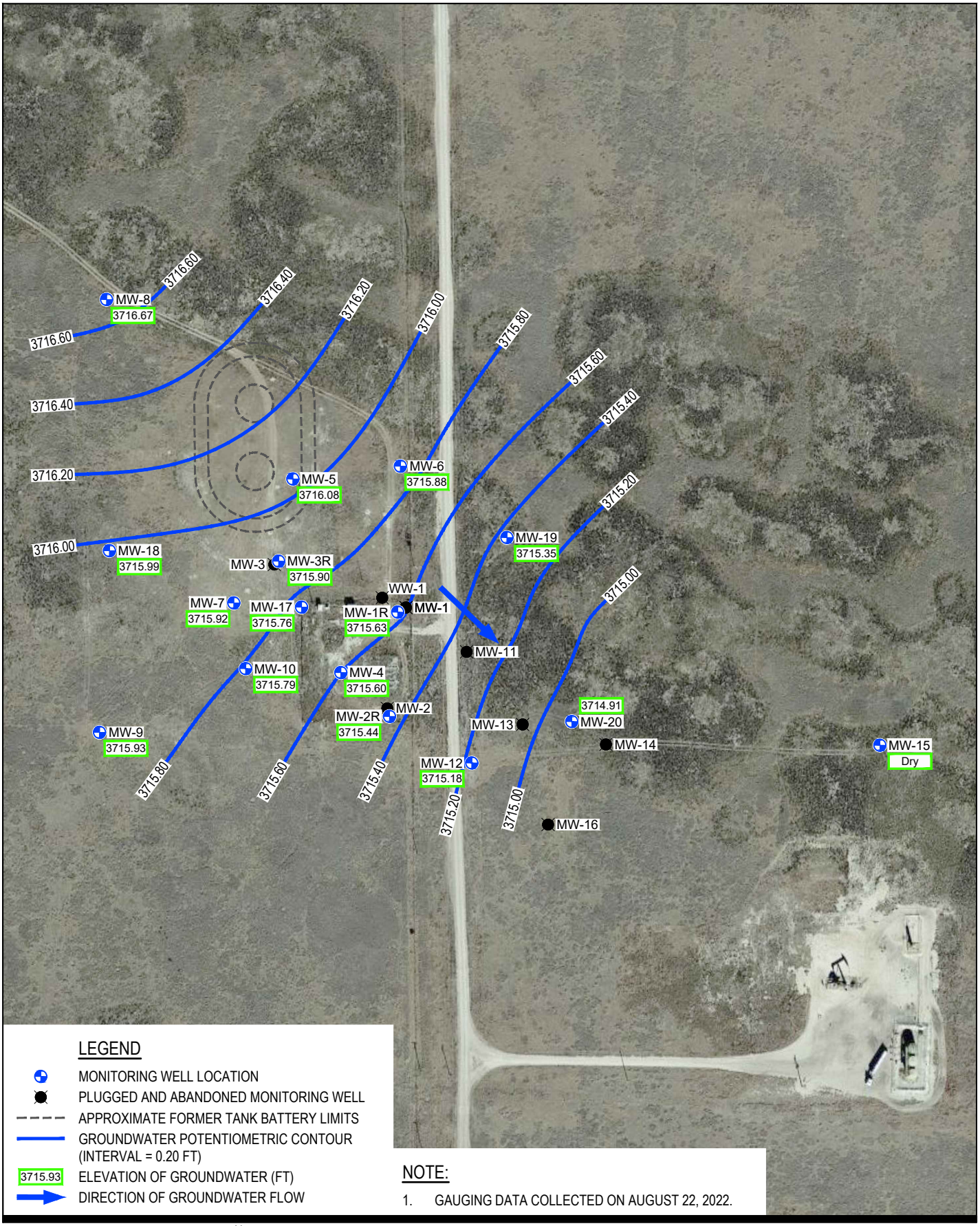
Project No. **12572685**
Date **March 2023**

GROUNDWATER GRADIENT MAP
MAY 3, 2022

FIGURE 4

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

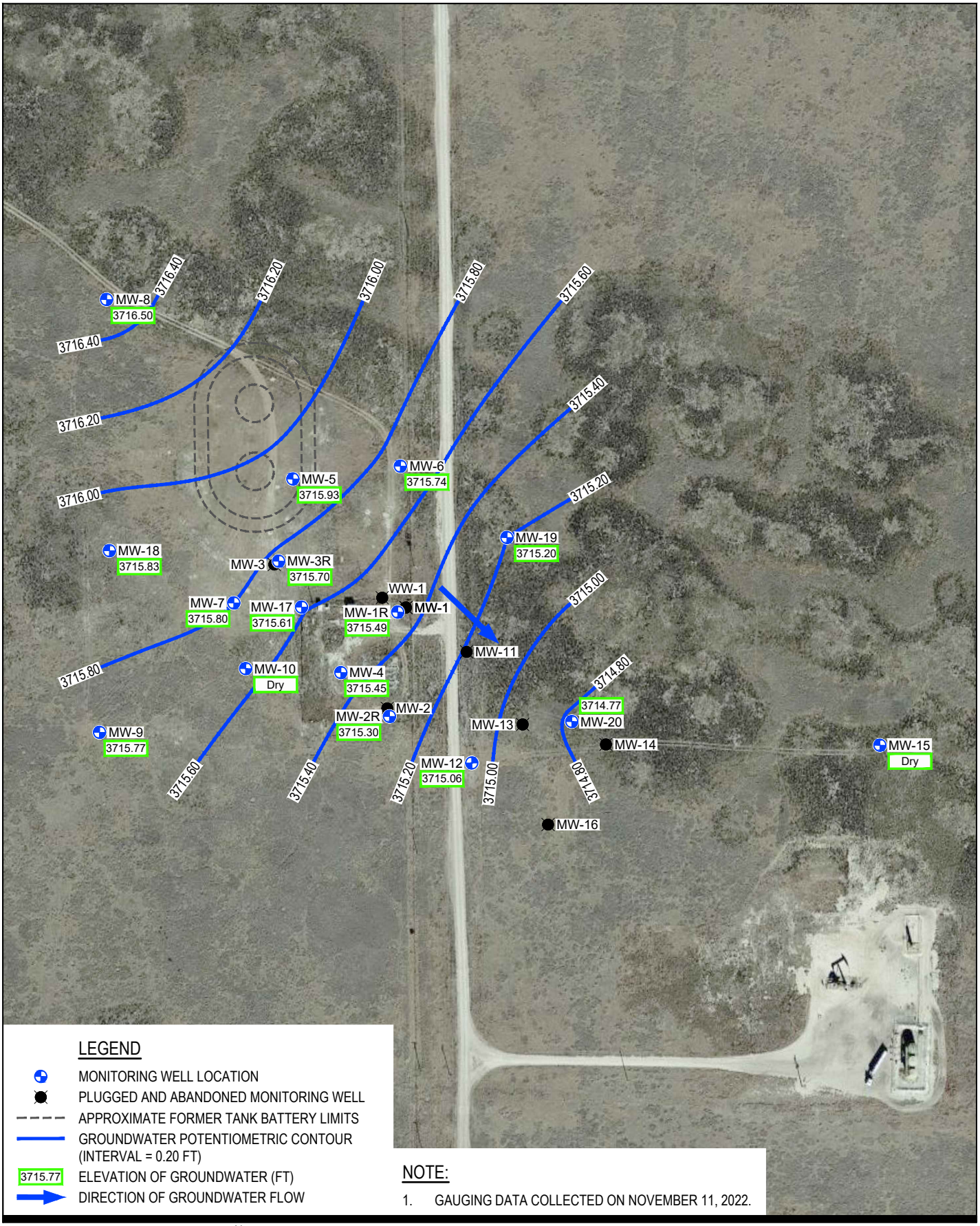
GROUNDWATER GRADIENT MAP
AUGUST 22, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 5

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

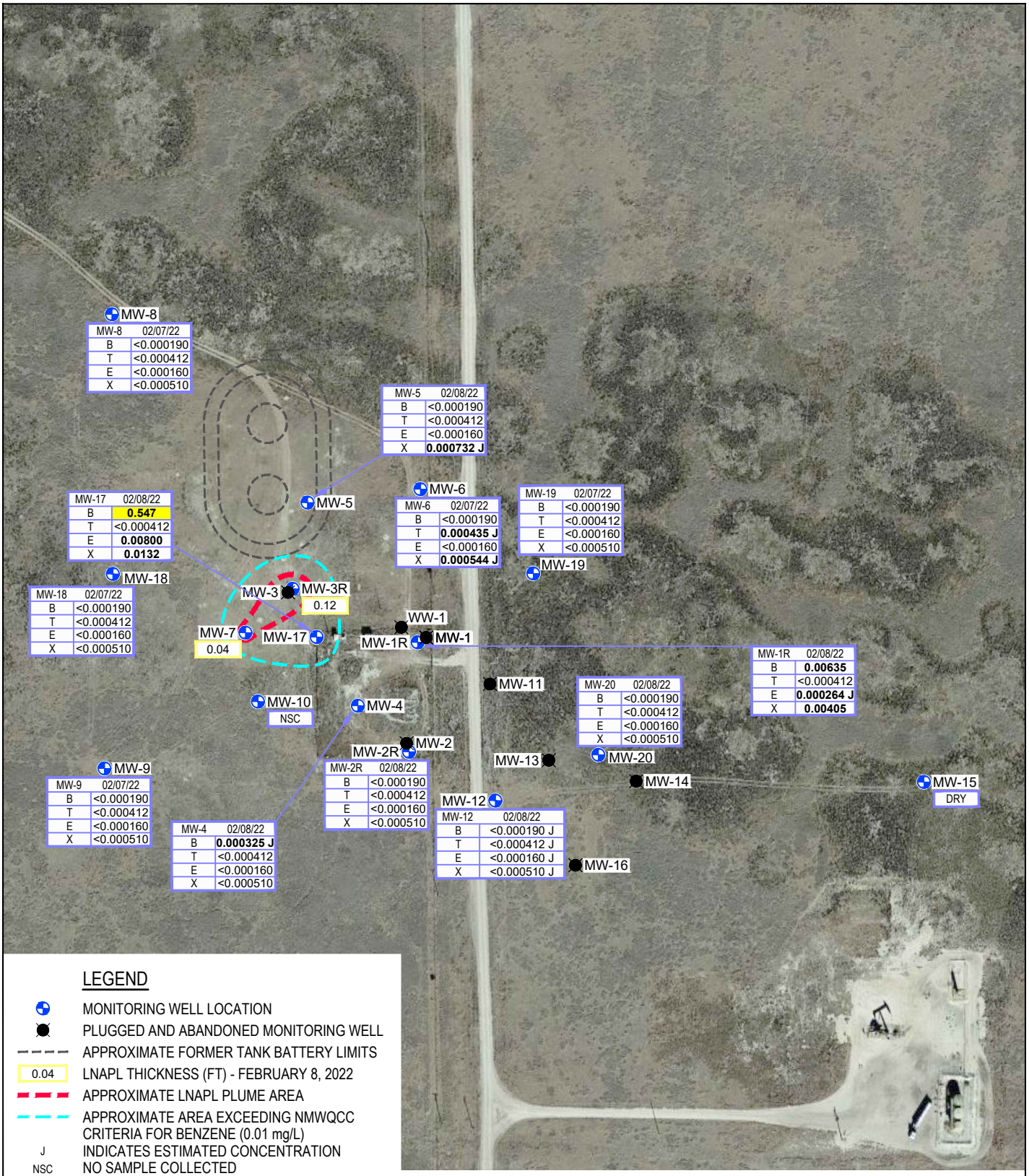
GROUNDWATER GRADIENT MAP
NOVEMBER 11, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 6

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE FORMER TANK BATTERY LIMITS
- 0.04 — LNAPL THICKNESS (FT) - FEBRUARY 8, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION
- NSC — NO SAMPLE COLLECTED

SAMPLE LOCATION	MW-17	05/03/22	DATE SAMPLED
BENZENE	B	0.547	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	0.00800	
XYLENES	X	0.0132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON FEBRUARY 7 - 8, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 100 200 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

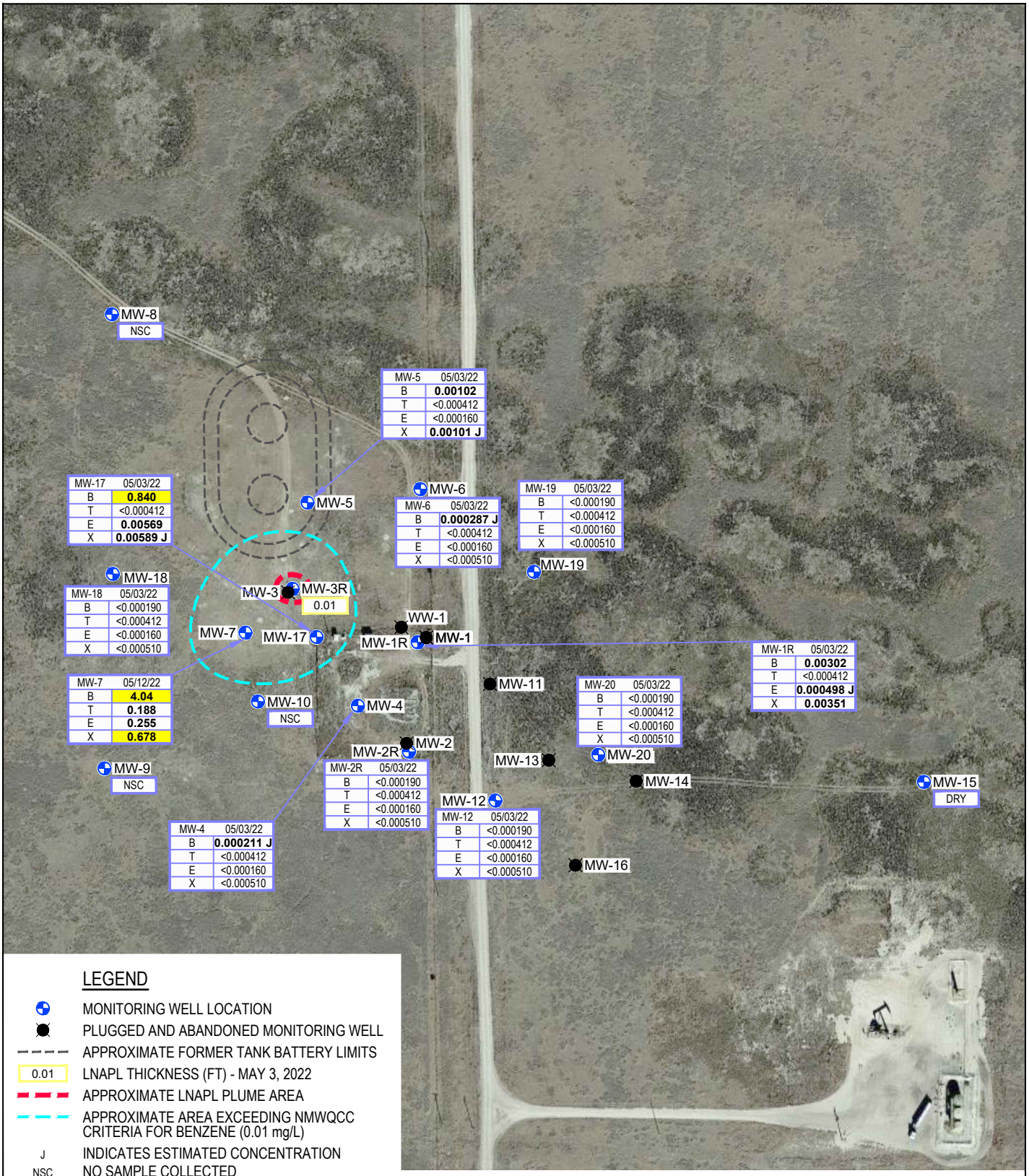
GROUNDWATER BTEX CONCENTRATION MAP
FEBRUARY 7 - 8, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 7

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:42 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE FORMER TANK BATTERY LIMITS
- 0.01 — LNAPL THICKNESS (FT) - MAY 3, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION
- NSC — NO SAMPLE COLLECTED

SAMPLE LOCATION	MW-17	05/03/22	DATE SAMPLED
BENZENE	B	0.547	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	0.00800	
XYLENES	X	0.0132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON MAY 3 AND 12, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 100 200 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

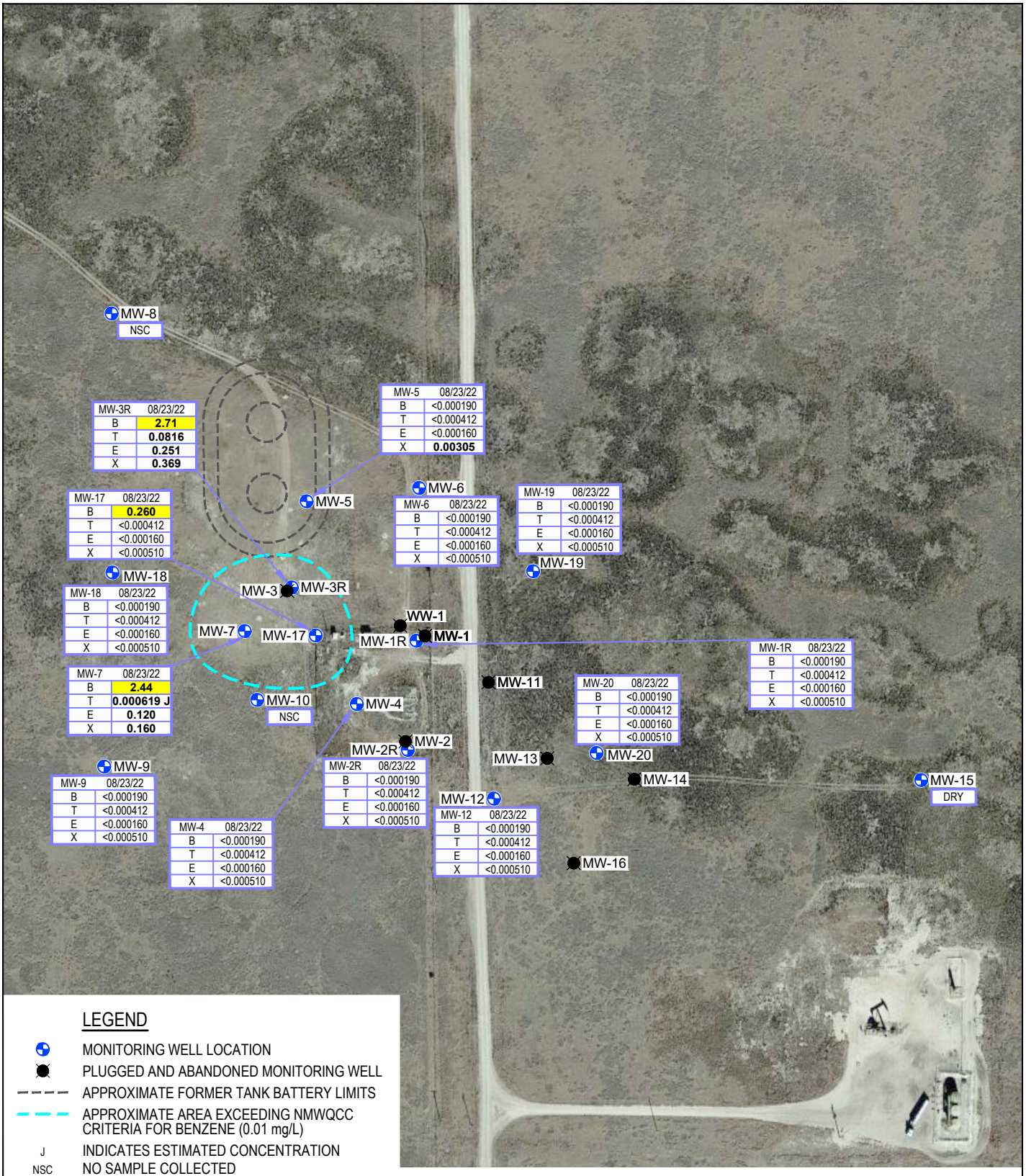
GROUNDWATER BTEX CONCENTRATION MAP
MAY 3 AND 12, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 8

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:43 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE FORMER TANK BATTERY LIMITS
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION
- NSC — NO SAMPLE COLLECTED

SAMPLE LOCATION	MW-17	08/23/22	DATE SAMPLED
BENZENE	B	0.260	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	<0.00160	
XYLENES	X	<0.00150	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON AUGUST 23, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 100 200 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

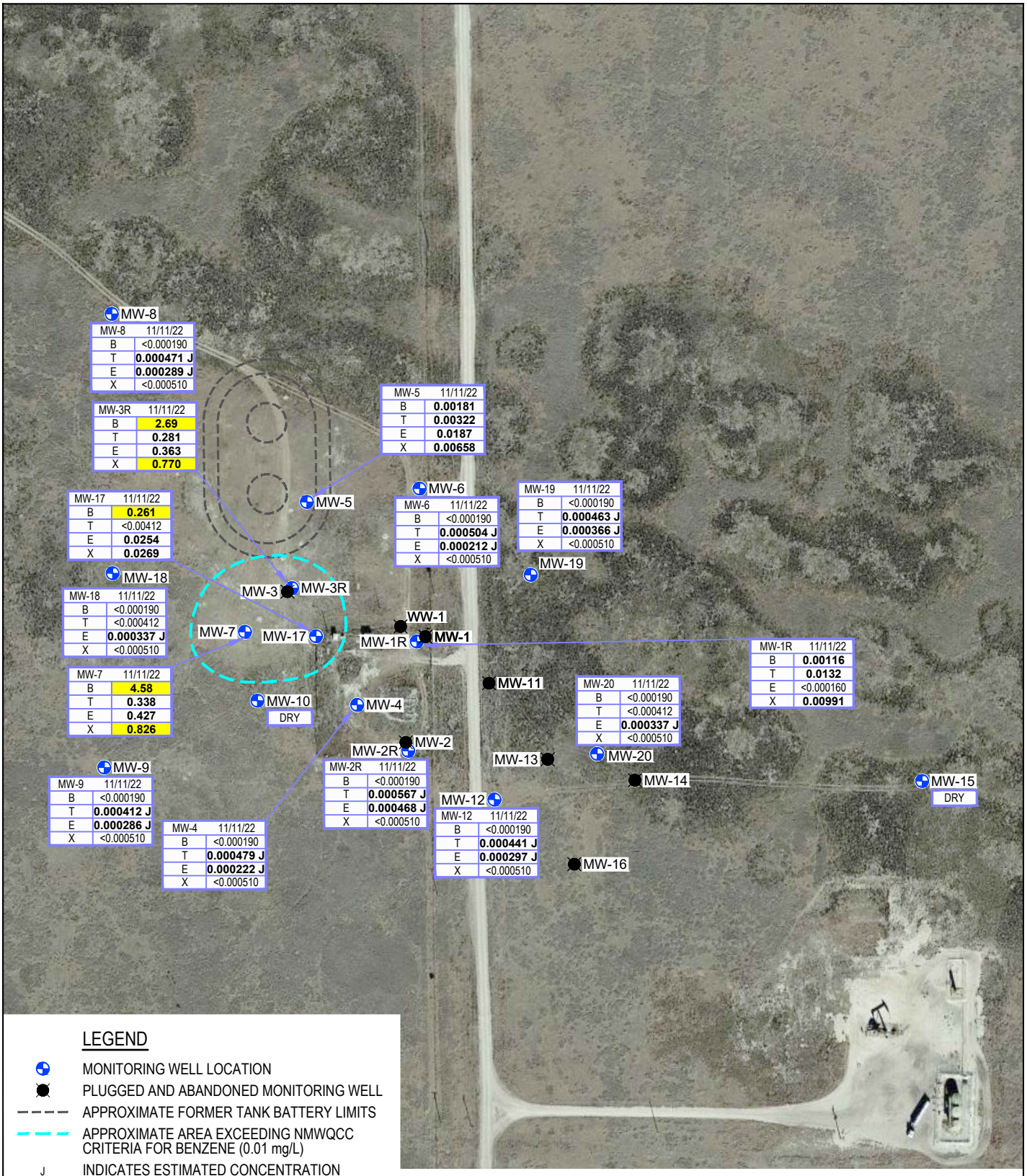
GROUNDWATER BTEX CONCENTRATION MAP
AUGUST 23, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 9

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:43 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- APPROXIMATE FORMER TANK BATTERY LIMITS
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-17	05/03/22	DATE SAMPLED
BENZENE	B	0.547	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	0.00800	
XYLENES	X	0.0132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON NOVEMBER 11, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 100 200 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DENTON STATION SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234

GROUNDWATER BTEX CONCENTRATION MAP
NOVEMBER 11, 2022

Project No. **12572685**
Date **March 2023**

FIGURE 10

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572685\Digital_Design\ACAD\Figures\12572685(GWR 2022)\12572685-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 14 March 2023 5:43 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West

Appendices

Appendix A

Certified Laboratory Analytical Reports

ANALYTICAL REPORT

February 18, 2022

Revised Report

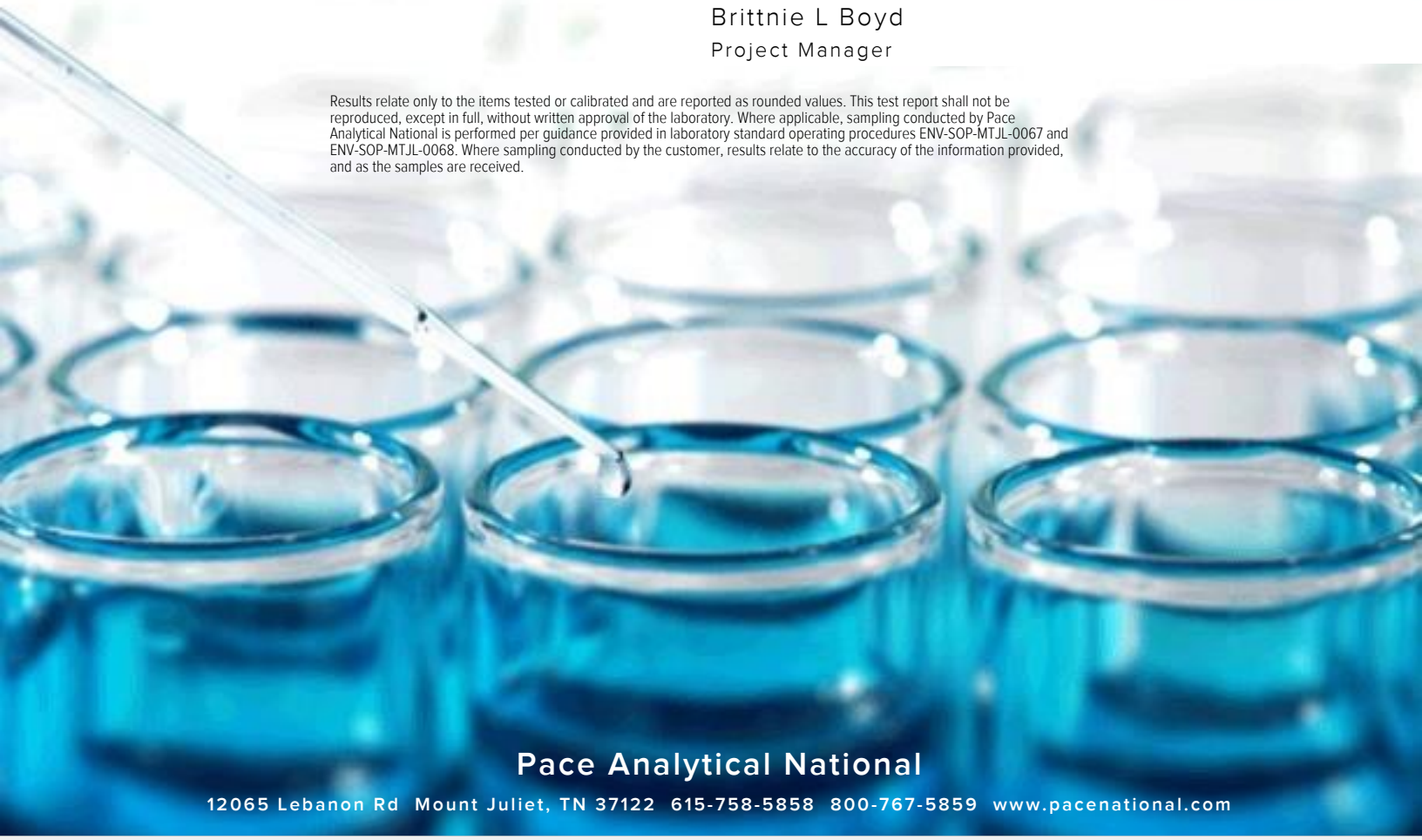
Plains All American, LP - GHD

Sample Delivery Group:	L1460324
Samples Received:	02/10/2022
Project Number:	12572685/01
Description:	Denton Station
Site:	SRS2003-00338
Report To:	Becky Haskell 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

TABLE OF CONTENTS

MW 8 L1460324-01 GW

Collected by: David R. | Collected date/time: 02/07/22 11:30 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817041	1	02/12/22 10:26	02/12/22 10:26	BMB	Mt. Juliet, TN

MW 9 L1460324-02 GW

Collected by: David R. | Collected date/time: 02/07/22 12:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817041	1	02/12/22 10:49	02/12/22 10:49	BMB	Mt. Juliet, TN

MW 18 L1460324-03 GW

Collected by: David R. | Collected date/time: 02/07/22 10:30 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817041	1	02/12/22 11:13	02/12/22 11:13	BMB	Mt. Juliet, TN

MW 19 L1460324-04 GW

Collected by: David R. | Collected date/time: 02/07/22 11:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817041	1	02/12/22 11:37	02/12/22 11:37	BMB	Mt. Juliet, TN

MW 12 L1460324-05 GW

Collected by: David R. | Collected date/time: 02/08/22 11:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 07:47	02/12/22 07:47	JAH	Mt. Juliet, TN

MW 20 L1460324-06 GW

Collected by: David R. | Collected date/time: 02/08/22 11:30 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 08:10	02/12/22 08:10	JAH	Mt. Juliet, TN

MW 2R L1460324-07 GW

Collected by: David R. | Collected date/time: 02/08/22 12:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 08:33	02/12/22 08:33	JAH	Mt. Juliet, TN

MW 6 L1460324-08 GW

Collected by: David R. | Collected date/time: 02/07/22 12:40 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 08:56	02/12/22 08:56	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

MW 4 L1460324-09 GW

Collected by: David R. | Collected date/time: 02/08/22 12:30 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 09:19	02/12/22 09:19	JAH	Mt. Juliet, TN

MW 5 L1460324-10 GW

Collected by: David R. | Collected date/time: 02/08/22 13:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 09:42	02/12/22 09:42	JAH	Mt. Juliet, TN

MW 1R L1460324-11 GW

Collected by: David R. | Collected date/time: 02/08/22 14:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 10:04	02/12/22 10:04	JAH	Mt. Juliet, TN

MW 17 L1460324-12 GW

Collected by: David R. | Collected date/time: 02/08/22 13:30 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 10:27	02/12/22 10:27	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1818292	10	02/15/22 20:27	02/15/22 20:27	JAH	Mt. Juliet, TN

DUP-1 L1460324-13 GW

Collected by: David R. | Collected date/time: 02/08/22 00:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 10:50	02/12/22 10:50	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1818292	1	02/15/22 20:49	02/15/22 20:49	JAH	Mt. Juliet, TN

DUP-2 L1460324-14 GW

Collected by: David R. | Collected date/time: 02/08/22 00:00 | Received date/time: 02/10/22 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1816578	1	02/12/22 11:13	02/12/22 11:13	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1818292	10	02/15/22 21:10	02/15/22 21:10	JAH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brittnie L Boyd
Project Manager

Report Revision History

Level II Report - Version 1: 02/17/22 13:22
Level II Report - Version 2: 02/17/22 16:20

Project Narrative

Updated collection times
Updated collection dates

Revised May 2010

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 02/18/2022 14:18
Project Name: Denton Station	Laboratory Job Number: L1460324-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13 and 14
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817041, WG1816578 and WG1818292

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 02/18/2022 14:18
Project Name: Denton Station	Laboratory Job Number: L1460324-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13 and 14
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817041, WG1816578 and WG1818292

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 02/18/2022 14:18
Project Name: Denton Station	Laboratory Job Number: L1460324-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13 and 14
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817041, WG1816578 and WG1818292

ER #[1]	Description
1	8021B WG1816578 Ethylbenzene: Percent Recovery is outside of established control limits.
2	8021B WG1816578 Benzene, Toluene, Ethylbenzene, Total Xylene: Relative Percent Difference is outside of established control limits.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 10:26	WG1817041
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 10:26	WG1817041
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 10:26	WG1817041
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 10:26	WG1817041
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/12/2022 10:26*	WG1817041

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 10:49	WG1817041
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 10:49	WG1817041
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 10:49	WG1817041
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 10:49	WG1817041
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/12/2022 10:49*	WG1817041

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 11:13	WG1817041
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 11:13	WG1817041
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 11:13	WG1817041
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 11:13	WG1817041
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/12/2022 11:13*	WG1817041

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 11:37	WG1817041
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 11:37	WG1817041
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 11:37	WG1817041
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 11:37	WG1817041
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/12/2022 11:37*	WG1817041

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U	J3	0.000190	0.000500	0.000500	1	02/12/2022 07:47	WG1816578
Toluene	U	J3	0.000412	0.00100	0.00100	1	02/12/2022 07:47	WG1816578
Ethylbenzene	U	J3 J5	0.000160	0.000500	0.000500	1	02/12/2022 07:47	WG1816578
Total Xylene	U	J3	0.000510	0.00150	0.00150	1	02/12/2022 07:47	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*104*				*79.0-125*		*02/12/2022 07:47*	WG1816578

MW-20
Collected date/time: 02/08/22 11:30
L1460324

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 08:10	WG1816578
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 08:10	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 08:10	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 08:10	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*104*				*79.0-125*		*02/12/2022 08:10*	WG1816578

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 08:33	WG1816578
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 08:33	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 08:33	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 08:33	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*104*				*79.0-125*		*02/12/2022 08:33*	WG1816578

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 08:56	WG1816578
Toluene	0.000435	J	0.000412	0.00100	0.00100	1	02/12/2022 08:56	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 08:56	WG1816578
Total Xylene	0.000544	J	0.000510	0.00150	0.00150	1	02/12/2022 08:56	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*104*				*79.0-125*		*02/12/2022 08:56*	WG1816578

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000325	J	0.000190	0.000500	0.000500	1	02/12/2022 09:19	WG1816578
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 09:19	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 09:19	WG1816578
Total Xylene	U		0.000510	0.00150	0.00150	1	02/12/2022 09:19	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*02/12/2022 09:19*	WG1816578

MW-3
Collected date/time: 02/08/22 13:00
L1460324

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/12/2022 09:42	WG1816578
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 09:42	WG1816578
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/12/2022 09:42	WG1816578
Total Xylene	0.000732	J	0.000510	0.00150	0.00150	1	02/12/2022 09:42	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*02/12/2022 09:42*	WG1816578

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00635		0.000190	0.000500	0.000500	1	02/12/2022 10:04	WG1816578
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 10:04	WG1816578
Ethylbenzene	0.000264	J	0.000160	0.000500	0.000500	1	02/12/2022 10:04	WG1816578
Total Xylene	0.00405		0.000510	0.00150	0.00150	1	02/12/2022 10:04	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*02/12/2022 10:04*	WG1816578

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.547		0.00190	0.000500	0.00500	10	02/15/2022 20:27	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 10:27	WG1816578
Ethylbenzene	0.00800		0.000160	0.000500	0.000500	1	02/12/2022 10:27	WG1816578
Total Xylene	0.0132		0.000510	0.00150	0.00150	1	02/12/2022 10:27	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*99.5*				*79.0-125*		*02/12/2022 10:27*	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*02/15/2022 20:27*	WG1818292

DUP-1
Collected date/time: 02/08/22 00:00
L1460324

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.00280		0.000190	0.000500	0.000500	1	02/15/2022 20:49	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 10:50	WG1816578
Ethylbenzene	0.000358	J	0.000160	0.000500	0.000500	1	02/12/2022 10:50	WG1816578
Total Xylene	0.00479		0.000510	0.00150	0.00150	1	02/12/2022 10:50	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*104*				*79.0-125*		*02/12/2022 10:50*	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*97.8*				*79.0-125*		*02/15/2022 20:49*	WG1818292

DUP-2
Collected date/time: 02/08/22 00:00
L1460324

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.533		0.00190	0.000500	0.00500	10	02/15/2022 21:10	WG1818292
Toluene	U		0.000412	0.00100	0.00100	1	02/12/2022 11:13	WG1816578
Ethylbenzene	0.00983		0.000160	0.000500	0.000500	1	02/12/2022 11:13	WG1816578
Total Xylene	0.0201		0.000510	0.00150	0.00150	1	02/12/2022 11:13	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*99.6*				*79.0-125*		*02/12/2022 11:13*	WG1816578
(S) a,a,a-Trifluorotoluene(PID)	*98.4*				*79.0-125*		*02/15/2022 21:10*	WG1818292

Method Blank (MB)

(MB) R3760173-2 02/12/22 07:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*104*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3760173-1 02/12/22 06:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0456	91.2	77.0-122	
Toluene	0.0500	0.0488	97.6	80.0-121	
Ethylbenzene	0.0500	0.0531	106	80.0-123	
Total Xylene	0.150	0.153	102	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*104*	*79.0-125*	

L1460324-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1460324-05 02/12/22 07:47 • (MS) R3760173-3 02/12/22 15:25 • (MSD) R3760173-4 02/12/22 15:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	U	0.0466	0.0641	93.2	128	1	10.0-160		J3	31.6	21
Toluene	0.0500	U	0.0484	0.0700	96.8	140	1	12.0-148		J3	36.5	21
Ethylbenzene	0.0500	U	0.0531	0.0771	106	154	1	22.0-149		J3 J5	36.9	21
Total Xylene	0.150	U	0.151	0.219	101	146	1	13.0-155		J3	36.8	21
(S) a,a,a-Trifluorotoluene(PID)					*104*	*104*		*79.0-125*				

Method Blank (MB)

(MB) R3759638-3 02/12/22 08:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*101*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3759638-1 02/12/22 05:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0555	111	77.0-122	
Toluene	0.0500	0.0551	110	80.0-121	
Ethylbenzene	0.0500	0.0563	113	80.0-123	
Total Xylene	0.150	0.168	112	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*100*	*79.0-125*	

Method Blank (MB)

(MB) R3760560-3 02/15/22 19:04

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*99.1*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3760560-1 02/15/22 17:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0518	104	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*99.2*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
505 N. Big Spring, Ste. 600
Midland, TX 79701

Pres Chk

Report to:
Becky Haskell

Email To:
becky.haskell@ghd.com;glenn.quinney@ghd.co

Project Description:
Denton Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project #
12572685/01

Lab Project #
PLAINSGHD-12572685

Collected by (print):

Site/Facility ID #
SRS2003-00338

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

BTEX 40mlAmb-HCl

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 146024

A003

Acctnum: **PLAINSGHD**
Template: **T202564**
Prelogin: **P900177**
PM: **823 - Olivia Studebaker**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
MW8		GW	NA	2-7-22	1130	3		-01
MW9		GW		2-7-22	1200			-02
MW10		GW		2-7-22	1030			-03
MW19		GW		2-7-22	1100			-04
MW12		GW		2-8-22	1130			-05
~~MW10~~ 20		GW		2-8-22	1200			-06
MW 2R		GW		2-8-22	1240			-07
MW 6		GW		2-7-22	1230			-08
MW 4		GW		2-8-22	1300			-09
MW 5		GW		2-8-22	1400			-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	2-9-22	830			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C 4.6+.1=4.7	Bottles Received: 42
	2-9-22	16:0			
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2/10/22	Time: 830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 196034

Table #

Acctnum: PLAINSGHD

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:

Attn: Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Pres Chk

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Denton Station

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2003-00338

Lab Project # SRS 2003-00338

Collected by (print):

Site/Facility ID # SRS 2003-00338

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard TAT Per SSOW

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8021B 40mLAmb-HCL	Remarks	Sample # (lab only)
MW13	GRAB	GW	NA	2-8-22	1400	3	X		-11
MW17				2-8-22	1330	1			-12
DUP-1									-13
DUP-2									-14

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572685

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2-9-22	800	
Relinquished by : (Signature)	Date: 2-9-22	Time: 1600	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 1.5/4.2 °C Bottles Received: 42
4.6+1.1=4.7

Date: 2/10/22 Time: 830

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
505 N. Big Spring, Ste. 600
Midland, TX 79701

Pres Chk

Report to: Becky Haskell

Email To: becky.haskell@ghd.com;glenn.quinney@ghd.co

Project Description: Denton Station

City/State Collected:

Please Circle: PT MT CT ET

Phone: 432-686-0086

Client Project # 12572685/01

Lab Project # PLAINSGHD-12572685

Collected by (print):

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Site/Facility ID # SRS2003-00338

P.O. #

Quote #

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

BTEX 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs		Remarks	Sample # (lab only)
MW8	~~Comp~~ Grab	GW	NA	2-7-22	1130	3	✓		-01
MW9		GW		2-7-22	1200				-02
MW18		GW		2-7-22	1030				-03
MW19		GW		2-7-22	1100				-04
MW12		GW		2-8-22	~~1130~~ 1100		MWL		-05
~~MW10~~ MW20 **		GW		2-8-22	~~1200~~ 1130		MWL		-06
MW 2R		GW		2-8-22	~~1240~~ 1200		MWL		-07
MW6		GW		2-7-22	~~1230~~ 1240		MWL		-08
MW4		GW		2-8-22	~~1300~~ 1230		MW		-09
MW5		GW	✓	2-8-22	~~1400~~ ~~1400~~ 1300		MW		-10

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 146024

A003

Acctnum: PLAINSGHD
Template: T202564
Prelogin: P900177
PM: 823 - Olivia Studebaker
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
___ UPS ___ FedEx ___ Courier _____

Tracking #

Sample Receipts Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:			
Relinquished by : (Signature)	2-9-22	830	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
Relinquished by : (Signature)	2-9-22	16:00	Received by: (Signature)	Temp: 4.2 °C 4.6+0.1=4.7	Bottles Received: 42
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 2/10/22	Time: 830

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Denton Station

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2003-00338

Lab Project # SRS 2003-00338

Collected by (print):

Site/Facility ID # SRS 2003-00338

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard TAT Per SSOW

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8021B 40mlAmb-HCL	Remarks	Sample # (lab only)
MW13	G	GW	WT	2-8-22	1400	3	X		-11
MW17				2-8-22	1330				-12
DUP-1									-13
DUP-2									-14

Chain of Custody Page 2 of 2

Pace Analytical
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L960374

Table #

Acctnum: PLAINSGHD

Template:

Prelogin:

TSR:

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572685

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	2-9-22	800	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	2-9-22	1610	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: USA2 °C Bottles Received: 42
46+4=47

If preservation required by Login: Date/Time

Date: 2/10/22 Time: 830

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

May 13, 2022

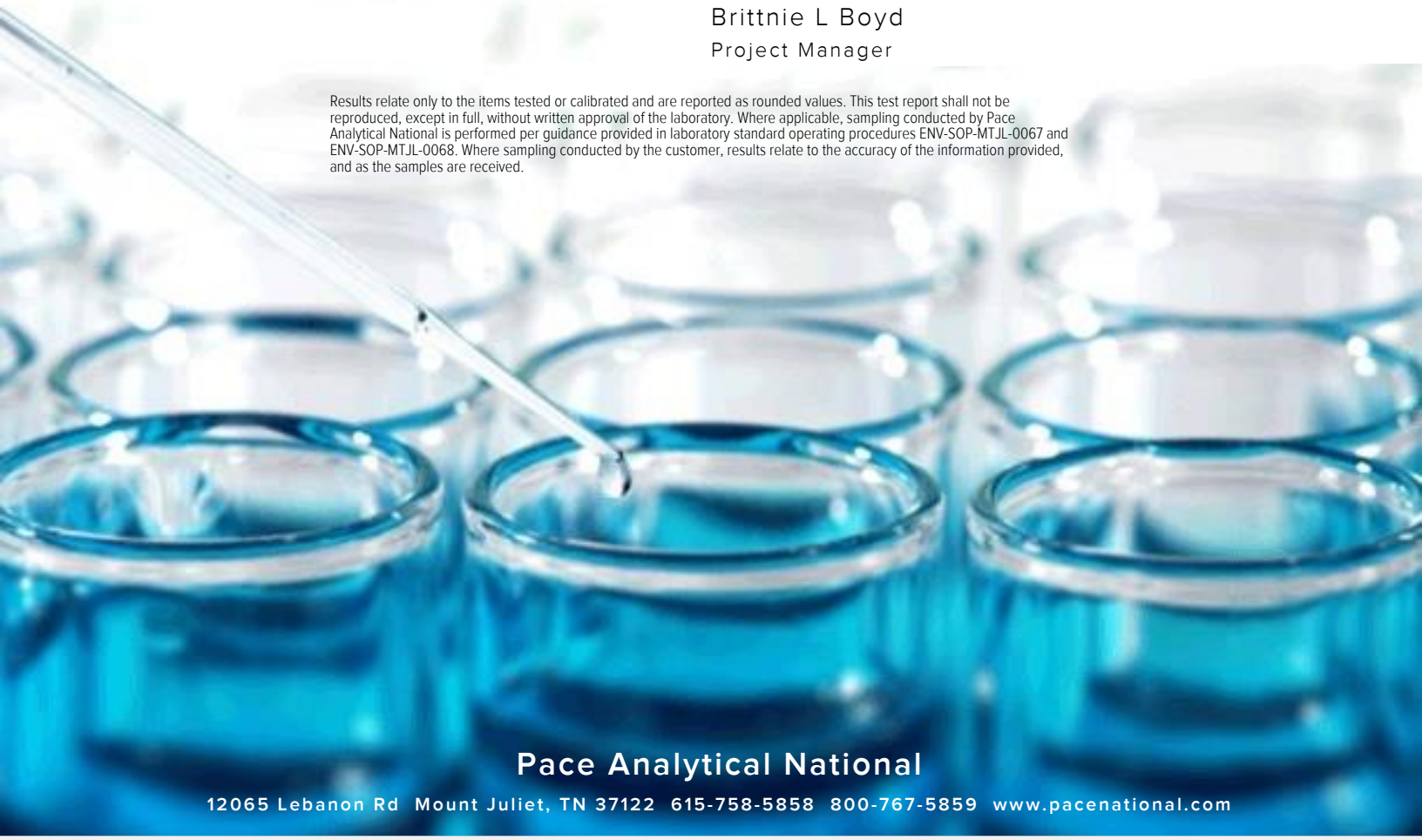
Plains All American, LP - GHD

Sample Delivery Group:	L1491093
Samples Received:	05/06/2022
Project Number:	SRS 2003-00338
Description:	Denton Station SRS2003-00338
Site:	SRS 2003-00338
Report To:	Becky Haskell 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-18-050322 L1491093-01 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 11:00 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 21:31	05/12/22 21:31	CAM	Mt. Juliet, TN

MW-20-050322 L1491093-02 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 11:30 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 21:52	05/12/22 21:52	CAM	Mt. Juliet, TN

MW-19-050322 L1491093-03 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 12:05 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 22:13	05/12/22 22:13	CAM	Mt. Juliet, TN

MW-12-050322 L1491093-04 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 12:35 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 22:35	05/12/22 22:35	CAM	Mt. Juliet, TN

MW-2R-050322 L1491093-05 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 13:17 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 22:56	05/12/22 22:56	CAM	Mt. Juliet, TN

MW-5-050322 L1491093-06 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 13:45 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 23:18	05/12/22 23:18	CAM	Mt. Juliet, TN

MW-6-050322 L1491093-07 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 14:20 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/12/22 23:39	05/12/22 23:39	CAM	Mt. Juliet, TN

MW-4-050322 L1491093-08 GW

Collected by: David Fletcher | Collected date/time: 05/03/22 14:50 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 00:01	05/13/22 00:01	CAM	Mt. Juliet, TN

MW-1R-050322 L1491093-09 GW

Collected by: David Fletcher
Collected date/time: 05/03/22 15:21
Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 00:22	05/13/22 00:22	CAM	Mt. Juliet, TN

MW-17-050322 L1491093-10 GW

Collected by: David Fletcher
Collected date/time: 05/03/22 15:45
Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	10	05/13/22 04:21	05/13/22 04:21	CAM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brittnie L Boyd
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1491093-06	MW-5-050322	8021B

Revised May 2010

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 05/13/2022 12:58
Project Name: Denton Station SRS2003-00338	Laboratory Job Number: L1491093-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862657

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X			1
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 05/13/2022 12:58
Project Name: Denton Station SRS2003-00338	Laboratory Job Number: L1491093-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862657

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 05/13/2022 12:58
Project Name: Denton Station SRS2003-00338	Laboratory Job Number: L1491093-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862657

ER #[1]	Description
1	8021B WG1862657 L1491093-06: pH outside of method requirement.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	05/12/2022 21:31	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 21:31	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 21:31	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 21:31	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/12/2022 21:31*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/12/2022 21:52	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 21:52	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 21:52	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 21:52	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*05/12/2022 21:52*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/12/2022 22:13	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 22:13	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 22:13	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 22:13	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*05/12/2022 22:13*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	05/12/2022 22:35	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 22:35	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 22:35	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 22:35	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*05/12/2022 22:35*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/12/2022 22:56	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 22:56	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 22:56	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 22:56	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/12/2022 22:56*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00102		0.000190	0.000500	0.000500	1	05/12/2022 23:18	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 23:18	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 23:18	WG1862657
Total Xylene	0.00101	J	0.000510	0.00150	0.00150	1	05/12/2022 23:18	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*05/12/2022 23:18*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000287	J	0.000190	0.000500	0.000500	1	05/12/2022 23:39	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/12/2022 23:39	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/12/2022 23:39	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/12/2022 23:39	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/12/2022 23:39*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000211	J	0.000190	0.000500	0.000500	1	05/13/2022 00:01	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 00:01	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 00:01	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 00:01	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*05/13/2022 00:01*	WG1862657

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00302		0.000190	0.000500	0.000500	1	05/13/2022 00:22	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 00:22	WG1862657
Ethylbenzene	0.000498	J	0.000160	0.000500	0.000500	1	05/13/2022 00:22	WG1862657
Total Xylene	0.00351		0.000510	0.00150	0.00150	1	05/13/2022 00:22	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/13/2022 00:22*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.840		0.00190	0.000500	0.00500	10	05/13/2022 04:21	WG1862657
Toluene	U		0.00412	0.00100	0.0100	10	05/13/2022 04:21	WG1862657
Ethylbenzene	0.00569		0.00160	0.000500	0.00500	10	05/13/2022 04:21	WG1862657
Total Xylene	0.00589	J	0.00510	0.00150	0.0150	10	05/13/2022 04:21	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*99.8*				*79.0-125*		*05/13/2022 04:21*	WG1862657

Method Blank (MB)

(MB) R3791563-2 05/12/22 20:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*103*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3791563-1 05/12/22 19:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0543	109	77.0-122	
Toluene	0.0500	0.0518	104	80.0-121	
Ethylbenzene	0.0500	0.0560	112	80.0-123	
Total Xylene	0.150	0.165	110	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*102*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Report to: Becky Haskell
Email To: becky.haskell@ghd.com

Project Description: Denton Station
City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2003-00338
Lab Project # SRS 2003-00338

Collected by (print): David Fletcher
Site/Facility ID # SRS 2003-00338
P.O. #

Collected by (signature): David Fletcher
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed: Standard TAT Per SSOW

Analysis / Container / Preservative

Pres Chk

BTEX 8021B 40mLAmb-HCL

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 149093
H238

Acctnum:
Template:
Prelogin:
TSR:
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8021B 40mLAmb-HCL	Remarks	Sample # (lab only)
MW-18-050322	Grab	GW	NA	5-3-22	1100	3	X		-01
MW-20-050322					1130				-02
MW-19-050322					1205				-03
MW-12-050322					1235				-04
MW 2R-050322					1317				-05
MW-5-050322					1345				-06
MW 6-050322					1420				-07
MW-4-050322					1450				-08
MW-1R-050322					1521				-09
MW-17-050322					1545				-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572685

Samples returned via:
__ UPS __ FedEx __ Courier __ _____
Tracking #

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: NP ___ Y ___ N
COC Signed/Accurate: ___ Y ___ N
Bottles arrive intact: ___ Y ___ N
Correct bottles used: ___ Y ___ N
Sufficient volume sent: ___ Y ___ N
If Applicable
VOA Zero Headspace: ___ Y ___ N
Preservation Correct/Checked: ___ Y ___ N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
David Fletcher	5-3-22	1800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: DRAFT C Bottles Received:
	5-5-22	1700	SWA	3.7 to 3.7 30
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				5/6/22 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

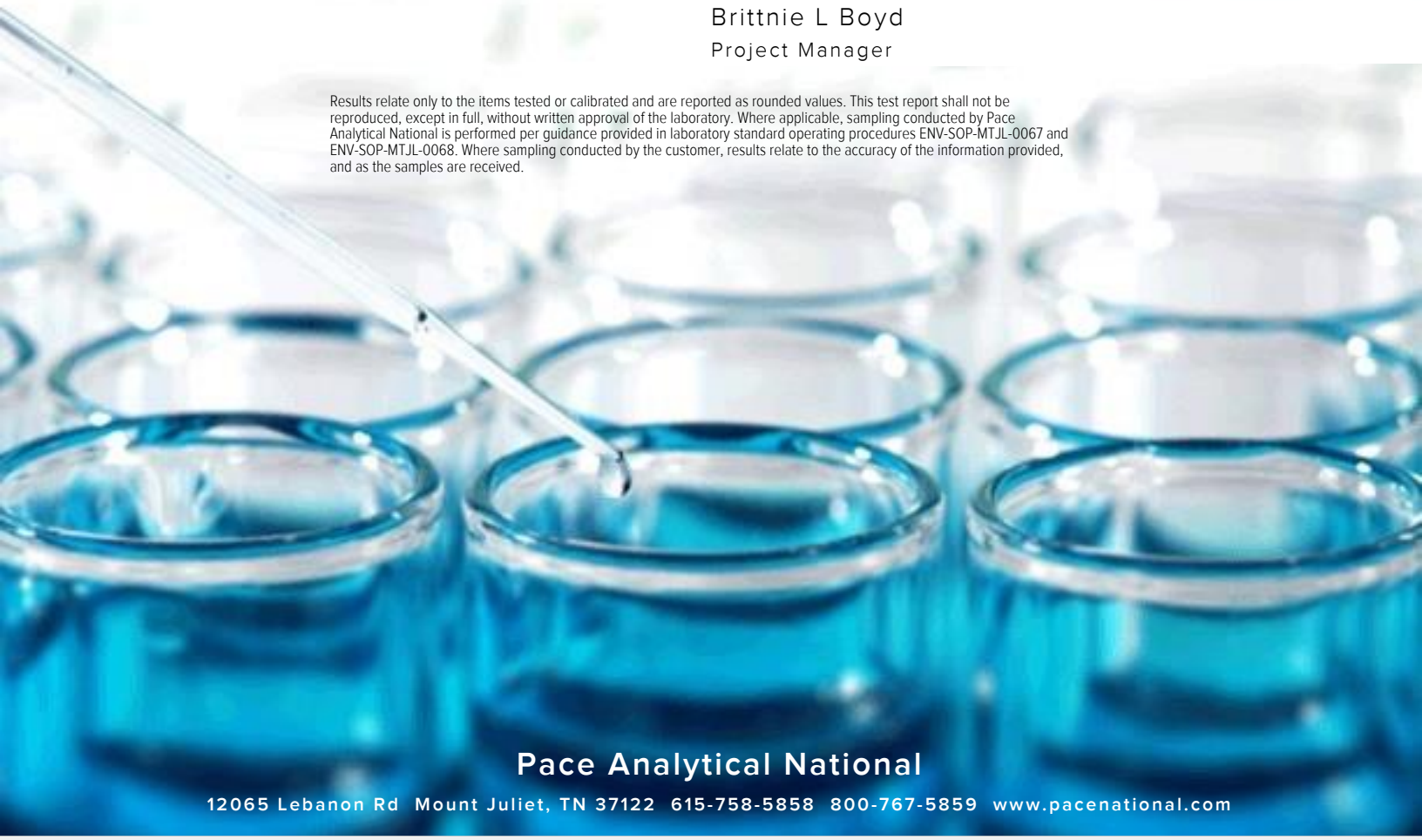
May 23, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1493074
Samples Received:	05/13/2022
Project Number:	12572685/01
Description:	Denton Station
Site:	SRS2003-00338
Report To:	Becky Haskell
	2135 S Loop 250 W
	Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

DENTON-MW-7-051222 L1493074-01 GW

			Collected by	Collected date/time	Received date/time
				05/12/22 10:00	05/13/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1866196	10	05/20/22 06:28	05/20/22 06:28	CAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1866984	100	05/20/22 12:01	05/20/22 12:01	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brittnie L Boyd
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1493074-01	DENTON-MW-7-051222	8021B

Revised May 2010

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Brittnie L Boyd

Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 05/23/2022 09:52
Project Name: Denton Station	Laboratory Job Number: L1493074-01
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1866196 and WG1866984

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X			1
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 05/23/2022 09:52
Project Name: Denton Station	Laboratory Job Number: L1493074-01
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1866196 and WG1866984

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 05/23/2022 09:52
Project Name: Denton Station	Laboratory Job Number: L1493074-01
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1866196 and WG1866984

ER #[1]	Description
1	8021B WG1866984 L1493074-01: pH outside of method requirement.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	4.04		0.0190	0.000500	0.0500	100	05/20/2022 12:01	WG1866984
Toluene	0.188		0.00412	0.00100	0.0100	10	05/20/2022 06:28	WG1866196
Ethylbenzene	0.255		0.00160	0.000500	0.00500	10	05/20/2022 06:28	WG1866196
Total Xylene	0.678		0.00510	0.00150	0.0150	10	05/20/2022 06:28	WG1866196
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/20/2022 06:28*	WG1866196
(S) a,a,a-Trifluorotoluene(PID)	*99.0*				*79.0-125*		*05/20/2022 12:01*	WG1866984

Method Blank (MB)

(MB) R3794108-3 05/19/22 22:57

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Toluene	U		0.000412	0.00100
Ethylbenzene	0.000464	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*97.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3794108-1 05/19/22 20:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Toluene	0.0500	0.0572	114	80.0-121	
Ethylbenzene	0.0500	0.0496	99.2	80.0-123	
Total Xylene	0.150	0.171	114	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*100*	*79.0-125*	

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3794475-3 05/20/22 09:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*98.6*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3794475-1 05/20/22 08:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0542	108	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*100*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Denton Station

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2003-00338

Lab Project # SRS 2003-00338

Collected by (print):

Site/Facility ID # SRS 2003-00338

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard TAT Per SSOW

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Pres Chk	No. of Cntrs	BTEX 8021B 40mLAmb-HCL	Remarks	Sample # (lab only)
Denton-MW-7-05122		GW		5/12/2022	1000			X	-01	

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1493074

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572685

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	__NP	__Y __N
COC Signed/Accurate:		__Y __N
Bottles arrive intact:		__Y __N
Correct bottles used:		__Y __N
Sufficient volume sent:		__Y __N
If Applicable		
VOA Zero Headspace:		__Y __N
Preservation Correct/Checked:		__Y __N

	Date:	Time:		
Relinquished by : (Signature) Mitchell Um	5/12/2022	1500	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	5/12/22	1700	Received by: (Signature) Greyhound	Temp: °C Bottles Received:
Relinquished by : (Signature) GH	5/13/22	0800	Received for lab by: (Signature) Sudiksha PACE	Date: 5/13/22 Time: 0800

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☑Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

Client Name: Plains All American Project Work order (place label):

Courier: FedEX ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: GH

Tracking #: _____

Custody Seal on Cooler/Box: Yes ☐ No ☑

L1493074

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: IR-17 **Cooler Temp °C:** 2.8 (Recorded) -0.3 (Correction Factor) 2.5 (Actual)

Receiving Lab 2 Thermometer Used: _____ **Cooler Temp °C:** _____(Recorded) _____(Correction Factor) _____(Actual)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: SM Date: 5/13/22

Chain of Custody relinquished	Yes ☑ No ☐
Sampler name & signature on COC	Yes ☐ No ☑
Short HT analyses (<72 hrs)	Yes ☐ No ☑

Login Person: SM Date: 5/13/22

Sufficient Volume received	Yes ☑ No ☐
Correct Container used	Yes ☑ No ☐
Container Intact	Yes ☑ No ☐
Sample pH Acceptable pH Strips:_____ Residual Chlorine Present Cl Strips:_____ Sulfide Present Lead Acetate Strips:_____	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☑
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑
Headspace in VOA (>6mm)	Yes ☐ No ☑ NA ☐
Project sampled in USDA Regulated Area outside of Texas State Sampled:_____	Yes ☐ No ☐ NA ☑
Non-Conformance(s):	Yes ☐ No ☑

Labeling Person (if different than log-in): _____ Date: _____

PRI PPD 12MAY22 12:43P ** ORIGIN **

GLI 309016340

Schd: GLI 1454

Pcs: 1 of 1

From: ODESSA MIDLAND, TX

To: DALLAS, TX

Priority

P EXPRS $ 32.00 C EXPRS

P VALUE C VALUE

SHIPMENT MANIFEST

Carrier/
Sched #:_____ Bus #:_____ Dep. Time:_____

Service: Priority

Pieces: 1

1st Lane Segment:
ODESSA MIDLAND
GLI 1454

Transfer:
DALLAS

Destination: DALLAS, TX

Driver's Signature:_____

GLI 3090163406

PRI PPD

Schd: GLI 1454

GLI 3090163406

Pcs: 1 of 1 DALLAS, TX

From: PACE ANALYTICAL WEST TEXAS
972-727-1123

RECV: PACE ANALYTICAL WEST TEXAS
DLIVERY

DALLAS, TX 75202

Phone: 432-202-4238

Manual Wght:
50.0

Tariff Wght:
50.0

PO/Ref #:

Priority

Agency Phone: (214)747-8859 WWW.SHIPGREYHOUND.COM

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Denton Station

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2003-00338

Lab Project # SRS 2003-00338

Collected by (print):

Site/Facility ID # SRS 2003-00338

P.O. #

Collected by (signature):

Immediately
Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard TAT Per SSOW

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	BTEX 8021B 40mLAmb-HCL	Remarks	Sample # (lab only)
Denton-MW-7-051222		GW		5/12/2022	1000			X	-01	

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1493074

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572685

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 5784 5988 9813

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Mitchell Um	5/12/2022	1700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.3 DRAFT TO=4.3 Bottles Received:	If preservation required by Login: Date/Time
	5/12/22	1700	Greyhound		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
GH	5/13/22	0800	Sudiksha PACE	5/13/22 0800	

Rel: [signature] 5/16/22 1700
Rec: Fedex 5/16/22 1700

N. Scott 5/17/22 0930

Pace Analytical®	Document Name: Sample Condition Upon Receipt	Document Revised: 7/27/20 Page 1 of 1
	Document No.: F-DAL-C-001-rev.14	Issuing Authority: Pace Dallas Quality Office

Sample Condition Upon Receipt

☑Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

Client Name: Plains All American Project Work order (place label):

Courier: FedEX ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other: GH

Tracking #: _____

Custody Seal on Cooler/Box: Yes ☐ No ☑

LL493074

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: IR-17 Cooler Temp °C: 2.8 (Recorded) -0.3 (Correction Factor) 2.5 (Actual)

Receiving Lab 2 Thermometer Used: _____ Cooler Temp °C: _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Temperature should be above freezing to 6°C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: SM Date: 5/13/22

Chain of Custody relinquished	Yes ☑ No ☐
Sampler name & signature on COC	Yes ☐ No ☑
Short HT analyses (<72 hrs)	Yes ☐ No ☑

Login Person: SM Date: 5/13/22

Sufficient Volume received	Yes ☑ No ☐
Correct Container used	Yes ☑ No ☐
Container Intact	Yes ☑ No ☐
Sample pH Acceptable pH Strips: _____ Residual Chlorine Present Cl Strips: _____ Sulfide Present Lead Acetate Strips: _____	Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑ Yes ☐ No ☐ NA ☑
Are soil samples (volatiles, TPH) received in 5035A Kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☑
Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☑
Headspace in VOA (>6mm)	Yes ☐ No ☑ NA ☐
Project sampled in USDA Regulated Area outside of Texas State Sampled: _____	Yes ☐ No ☐ NA ☑
Non-Conformance(s):	Yes ☐ No ☑

Labeling Person (if different than log-in): _____ Date: _____

PRI PPD 12MAY22 12:43P ** ORIGIN **

GLI 3090163406

Schd: GLI 1454

Pcs: 1 of 1

From: ODESSA MIDLAND, TX

To: DALLAS, TX

Priority

P EXPRS $ 32.00 C EXPRS

P VALUE C VALUE

SHIPMENT MANIFEST

Carrier/
Sched #:_____ Bus #:_____ Dep. Time:_____

Service: Priority

Pieces: 1

1st Lane Segment:
ODESSA MIDLAND
GLI 1454

Transfer:
DALLAS

Destination: DALLAS, TX

Driver's Signature:_____

GLI 3090163406

PRI PPD

GLI 3090163406

Schd: GLI 1454

Pcs: 1 of 1

DALLAS, TX

From: PACE ANALYTICAL WEST TEXAS
972-727-1123

RECV: PACE ANALYTICAL WEST TEXAS
DLIVERY

DALLAS, TX 75202
Phone: 432-202-4238

Manual Wght:
50.0
Tariff Wght:
50.0

PO/Ref #:

Priority

Agency Phone: (214)747-8859 WWW.SHIPGREYHOUND.COM

ANALYTICAL REPORT

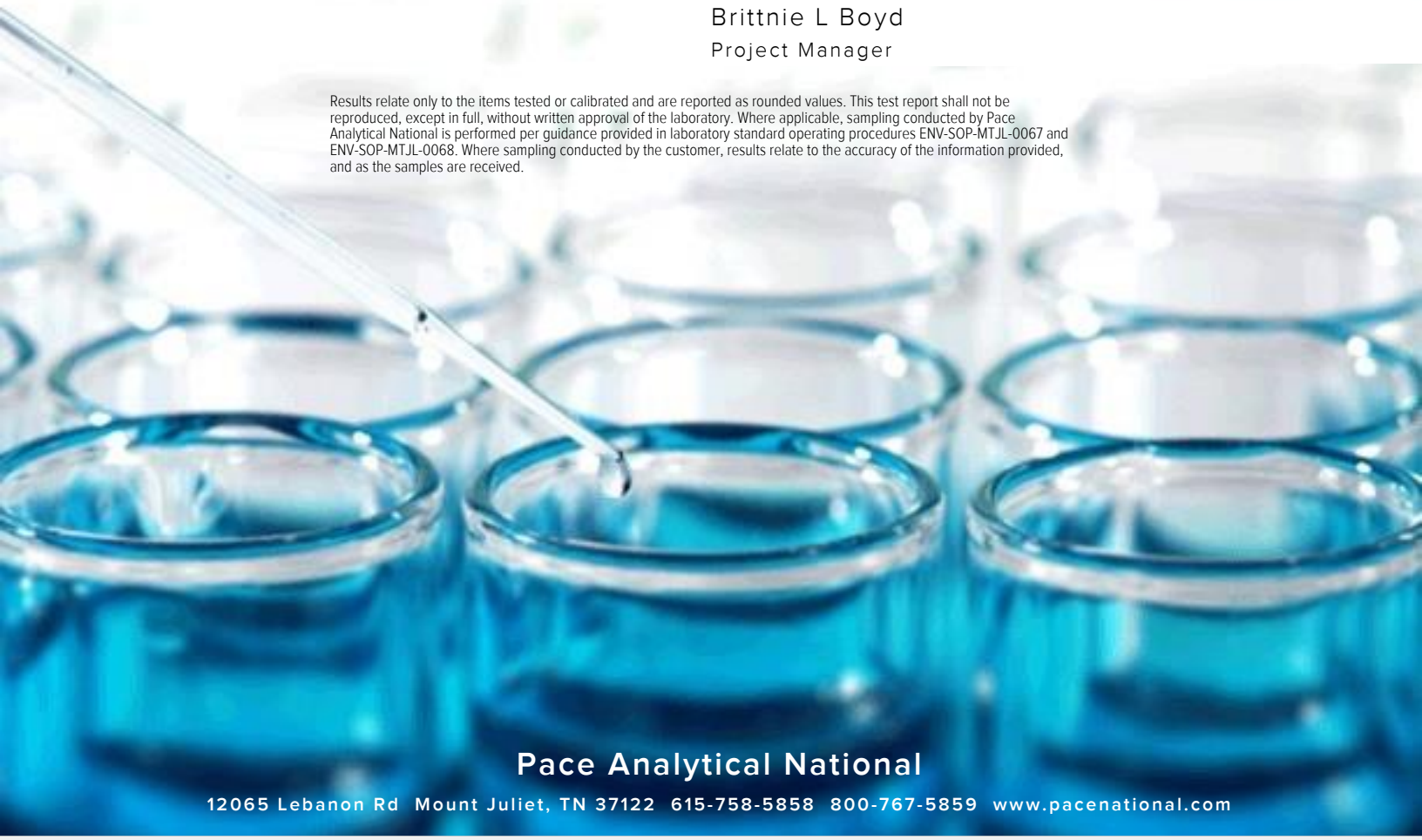
September 06, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1529269
Samples Received:	08/25/2022
Project Number:	SRS2003-00338
Description:	Denton Station
Site:	SRS2003-00338
Report To:	Matthew Laughlin 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW-19-082322 L1529269-01 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 11:15 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 12:58	08/29/22 12:58	BAM	Mt. Juliet, TN

MW-20-082322 L1529269-02 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 11:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 13:19	08/29/22 13:19	BAM	Mt. Juliet, TN

MW-12-082322 L1529269-03 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 12:15 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 13:41	08/29/22 13:41	BAM	Mt. Juliet, TN

MW-2R-082322 L1529269-04 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 12:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 14:03	08/29/22 14:03	BAM	Mt. Juliet, TN

MW-4-082322 L1529269-05 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 14:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 14:24	08/29/22 14:24	BAM	Mt. Juliet, TN

MW-1R-082322 L1529269-06 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 14:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 14:46	08/29/22 14:46	BAM	Mt. Juliet, TN

MW-6-082322 L1529269-07 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 15:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 15:07	08/29/22 15:07	BAM	Mt. Juliet, TN

MW-18-082322 L1529269-08 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 15:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 15:29	08/29/22 15:29	BAM	Mt. Juliet, TN

MW-9-082322 L1529269-09 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 16:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 15:50	08/29/22 15:50	BAM	Mt. Juliet, TN

MW-17-082322 L1529269-10 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 16:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	10	08/30/22 04:09	08/30/22 04:09	BAM	Mt. Juliet, TN

MW-7-082322 L1529269-11 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 15:15 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 19:53	08/29/22 19:53	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1920350	100	09/02/22 05:57	09/02/22 05:57	BAM	Mt. Juliet, TN

MW-3R-082322 L1529269-12 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 16:35 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 20:15	08/29/22 20:15	BAM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1920350	100	09/02/22 06:18	09/02/22 06:18	BAM	Mt. Juliet, TN

MW-5-082322 L1529269-13 GW

Collected by: Joe Mireles | Collected date/time: 08/23/22 17:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1920350	1	09/02/22 05:35	09/02/22 05:35	BAM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 09/06/2022 15:41
Project Name: Denton Station	Laboratory Job Number: L1529269-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875, WG1917920 and WG1920350

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 09/06/2022 15:41
Project Name: Denton Station	Laboratory Job Number: L1529269-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875, WG1917920 and WG1920350

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 09/06/2022 15:41
Project Name: Denton Station	Laboratory Job Number: L1529269-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875, WG1917920 and WG1920350

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 12:58	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 12:58	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 12:58	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 12:58	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.4*				*79.0-125*		*08/29/2022 12:58*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 13:19	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 13:19	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 13:19	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 13:19	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*99.0*				*79.0-125*		*08/29/2022 13:19*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 13:41	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 13:41	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 13:41	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 13:41	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*98.9*				*79.0-125*		*08/29/2022 13:41*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 14:03	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 14:03	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 14:03	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 14:03	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*96.3*				*79.0-125*		*08/29/2022 14:03*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 14:24	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 14:24	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 14:24	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 14:24	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*98.4*				*79.0-125*		*08/29/2022 14:24*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 14:46	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 14:46	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 14:46	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 14:46	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*96.3*				*79.0-125*		*08/29/2022 14:46*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 15:07	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 15:07	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 15:07	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 15:07	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*08/29/2022 15:07*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 15:29	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 15:29	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 15:29	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 15:29	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.5*				*79.0-125*		*08/29/2022 15:29*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 15:50	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 15:50	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 15:50	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 15:50	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*99.0*				*79.0-125*		*08/29/2022 15:50*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.260		0.00190	0.000500	0.00500	10	08/30/2022 04:09	WG1917920
Toluene	U		0.00412	0.00100	0.0100	10	08/30/2022 04:09	WG1917920
Ethylbenzene	U		0.00160	0.000500	0.00500	10	08/30/2022 04:09	WG1917920
Total Xylene	U		0.00510	0.00150	0.0150	10	08/30/2022 04:09	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*97.1*				*79.0-125*		*08/30/2022 04:09*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	2.44		0.0190	0.000500	0.0500	100	09/02/2022 05:57	WG1920350
Toluene	0.000619	J	0.000412	0.00100	0.00100	1	08/29/2022 19:53	WG1917920
Ethylbenzene	0.120		0.000160	0.000500	0.000500	1	08/29/2022 19:53	WG1917920
Total Xylene	0.160		0.000510	0.00150	0.00150	1	08/29/2022 19:53	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*90.8*				*79.0-125*		*08/29/2022 19:53*	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*09/02/2022 05:57*	WG1920350

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	2.71		0.0190	0.000500	0.0500	100	09/02/2022 06:18	WG1920350
Toluene	0.0816		0.000412	0.00100	0.00100	1	08/29/2022 20:15	WG1917920
Ethylbenzene	0.251		0.0160	0.000500	0.0500	100	09/02/2022 06:18	WG1920350
Total Xylene	0.369		0.000510	0.00150	0.00150	1	08/29/2022 20:15	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*92.3*				*79.0-125*		*08/29/2022 20:15*	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*97.8*				*79.0-125*		*09/02/2022 06:18*	WG1920350

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	09/02/2022 05:35	WG1920350
Toluene	U		0.000412	0.00100	0.00100	1	09/02/2022 05:35	WG1920350
Ethylbenzene	U		0.000160	0.000500	0.000500	1	09/02/2022 05:35	WG1920350
Total Xylene	0.00305		0.000510	0.00150	0.00150	1	09/02/2022 05:35	WG1920350
(S) a,a,a-Trifluorotoluene(PID)	*95.1*				*79.0-125*		*09/02/2022 05:35*	WG1920350

Method Blank (MB)

(MB) R3832519-2 08/29/22 07:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*97.1*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3832519-1 08/29/22 06:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0494	98.8	77.0-122	
Toluene	0.0500	0.0483	96.6	80.0-121	
Ethylbenzene	0.0500	0.0483	96.6	80.0-123	
Total Xylene	0.150	0.141	94.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*97.6*	*79.0-125*	

Method Blank (MB)

(MB) R3833100-3 08/29/22 19:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3833100-1 08/29/22 16:33

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0502	100	77.0-122	
Toluene	0.0500	0.0484	96.8	80.0-121	
Ethylbenzene	0.0500	0.0479	95.8	80.0-123	
Total Xylene	0.150	0.139	92.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*99.1*	*79.0-125*	

Method Blank (MB)

(MB) R3833730-4 09/02/22 05:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.4*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3833730-1 09/02/22 03:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0480	96.0	77.0-122	
Toluene	0.0500	0.0464	92.8	80.0-121	
Ethylbenzene	0.0500	0.0451	90.2	80.0-123	
Total Xylene	0.150	0.130	86.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*98.6*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
505 N. Big Spring, Ste. 600
Midland, TX 79701

Pres Chk

Report to: ~~Becky Haskell~~ Matthew Laughlin

Email To: Matt.laughlin@ghd.com
~~becky.haskell@ghd.com~~;glenn.quinney@ghd.co

Project Description: Denton Station

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Phone: 432-686-0086

Client Project # ~~12572685/01~~ SRS2003-00338

Lab Project # ~~PLAINSGHD-12572685~~ SRS2003-00338

Collected by (print): Joe Mireles

Site/Facility ID # SRS2003-00338

P.O. #

Collected by (signature): Joe Mireles

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard TAT per SOW

Analysis / Container / Preservative: BTEX 40mlAmb-HCl SD24B

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1579769

D175

Acctnum: PLAINSGHD
Template: T202564
Prelogin: P921197
PM: 829 - Brittnie L Boyd
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
MW-19-082322	G	GW	—	8-23	1115	3		-01
MW-20-082322	G	GW	—	8-23	1145	3		-02
MW-12-082322	G	GW	—	8-23	1215	3		-03
MW-2R-082322	G	GW	—	8-23	1245	3		-04
MW-4-082322	G	GW	—	8-23	1400	3		-05
MW-1R-082322	G	GW	—	8-23	1430	3		-06
MW-6-082322	G	GW	—	8-23	1500	3		-07
MW-18-082322	G	GW	—	8-23	1530	3		-08
MW-9-082322	G	GW	—	8-23	1600	3		-09
MW-17-082322	G	GW	—	8-23	1630	3		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: 1) report to SDL's
2) Flag estimated concentrations
3) Lab Project # PlainsGHD-12572685

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Joe Mireles	8-24-22	0700			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C	Bottles Received: 39
	8/24/22	1700	SWA	4.9+0=4.9	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			D. Ramsey	08-25-22	0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Camille Bryant
505 N. Big Spring, Ste. 600
Midland, TX 79701

Pres Chk

Report to:
~~Becky Haskell~~ Matthew Laughlin

Email To: Matthew.laughlin@ghd.com
~~becky.haskell@ghd.com~~;glenn.quinney@ghd.co

Project Description:
Denton Station

City/State Collected: Lovington, NM

Please Circle: PT MT (CT) ET

Phone: 432-686-0086

Client Project #
~~12572685/01~~
SRS2003-00338

Lab Project #
~~PLAINSGHD-12572685~~

Collected by (print):
Joe Mireles

Site/Facility ID #
SRS2003-00338

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed
Standard TAT per SSOW

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl 8021B										Remarks	Sample # (lab only)
MW-7-082322	G	GW	—	8.23	1515	3	X											-11
MW-3R-082322	G	GW	—	8.23	1655	3	X											-12
MW-5-082322	G	GW	—	8.23	1700	3	X											-13
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1529769

Table #

Acctnum: PLAINSGHD
Template: T202564
Prelogin: P921197
PM: 829 - Brittnie L Boyd
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other _____

Remarks: 1) Report to SDL's
2) Flag estimated concentrations
3) Lab Project #: PLAINSGHD 12572685

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Joe Mireles	8-24-22	0700	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	8/24/22	1100	SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			D.RAMSey

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp 4.7 °C
4.CM.0449

Bottles Received:

If preservation required by Login: Date/Time

Date: 08-25-22 Time: 0800

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

November 23, 2022

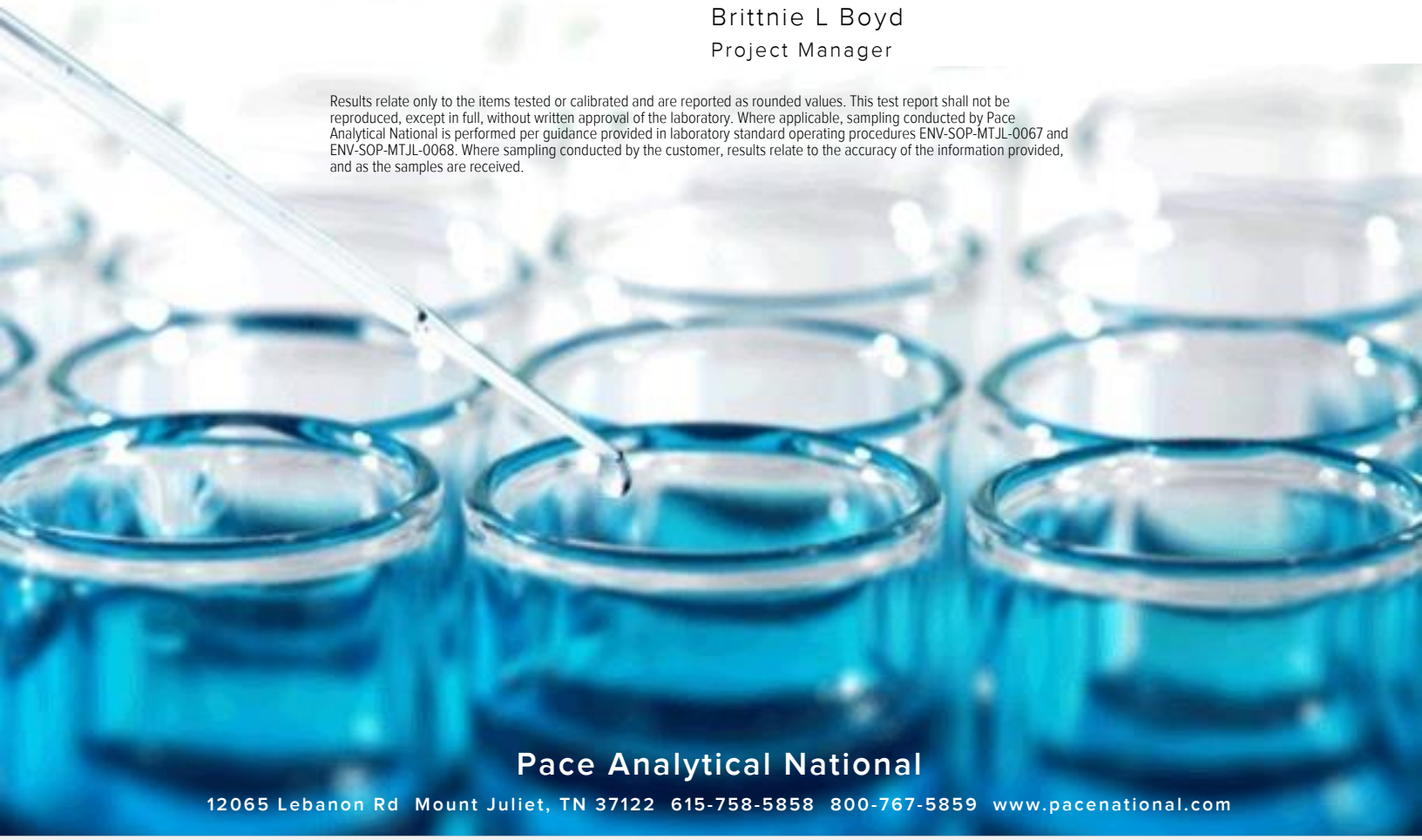
Plains All American, LP - GHD

Sample Delivery Group:	L1558131
Samples Received:	11/15/2022
Project Number:	SRS2003-00338
Description:	Denton Station
Site:	SRS2003-00338
Report To:	John Fergerson 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

DS-MW-1R-111122 L1558131-01 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 13:10 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/16/22 23:54	11/16/22 23:54	BAM	Mt. Juliet, TN

DS-MW-2R-111122 L1558131-02 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 13:50 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 00:17	11/17/22 00:17	BAM	Mt. Juliet, TN

DS-MW-4-111122 L1558131-03 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 13:20 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 00:38	11/17/22 00:38	BAM	Mt. Juliet, TN

DS-MW-6-111122 L1558131-04 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 12:40 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 01:00	11/17/22 01:00	BAM	Mt. Juliet, TN

DS-MW-8-111122 L1558131-05 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 10:10 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961635	1	11/18/22 13:50	11/18/22 13:50	BAM	Mt. Juliet, TN

DS-MW-9-111122 L1558131-06 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 10:30 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 01:22	11/17/22 01:22	BAM	Mt. Juliet, TN

DS-MW-12-111122 L1558131-07 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 14:40 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 01:44	11/17/22 01:44	BAM	Mt. Juliet, TN

DS-MW-18-111122 L1558131-08 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 10:40 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 02:06	11/17/22 02:06	BAM	Mt. Juliet, TN

DS-MW-19-111122 L1558131-09 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 14:10 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 02:27	11/17/22 02:27	BAM	Mt. Juliet, TN

DS-MW-20-111122 L1558131-10 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 15:00 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 02:49	11/17/22 02:49	BAM	Mt. Juliet, TN

DS-MW-3R-111122 L1558131-11 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 11:20 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	100	11/17/22 06:28	11/17/22 06:28	BAM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1962169	1	11/18/22 18:58	11/19/22 14:17	ADF	Mt. Juliet, TN

DS-MW-5-111122 L1558131-12 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 12:30 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	1	11/17/22 03:11	11/17/22 03:11	BAM	Mt. Juliet, TN

DS-MW-7-111122 L1558131-13 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 11:50 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1960935	100	11/17/22 06:49	11/17/22 06:49	BAM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1962169	1	11/18/22 18:58	11/19/22 14:34	ADF	Mt. Juliet, TN

DS-MW-17-111122 L1558131-14 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 11:30 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961632	10	11/18/22 20:12	11/18/22 20:12	BAM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1962169	1	11/18/22 18:58	11/19/22 14:52	ADF	Mt. Juliet, TN

DS-DUP-1-111122 L1558131-15 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 00:00 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961632	25	11/18/22 20:34	11/18/22 20:34	BAM	Mt. Juliet, TN

DS-DUP-2-111122 L1558131-16 GW

Collected by: Mitchell Clemens | Collected date/time: 11/11/22 00:00 | Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961632	10	11/18/22 20:55	11/18/22 20:55	BAM	Mt. Juliet, TN

EQUIP-BLANK L1558131-17 GW

Collected by: Mitchell Clemens
Collected date/time: 11/11/22 00:00
Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961632	1	11/18/22 15:28	11/18/22 15:28	BAM	Mt. Juliet, TN

TRIP-BLANK L1558131-18 GW

Collected by: Mitchell Clemens
Collected date/time: 11/11/22 00:00
Received date/time: 11/15/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1961632	1	11/18/22 15:06	11/18/22 15:06	BAM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 12:23
Project Name: Denton Station	Laboratory Job Number: L1558131-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1960935, WG1962169, WG1961632 and WG1961635

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 12:23
Project Name: Denton Station	Laboratory Job Number: L1558131-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1960935, WG1962169, WG1961632 and WG1961635

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 12:23
Project Name: Denton Station	Laboratory Job Number: L1558131-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1960935, WG1962169, WG1961632 and WG1961635

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00116		0.000190	0.000500	0.000500	1	11/16/2022 23:54	WG1960935
Toluene	0.0132		0.000412	0.00100	0.00100	1	11/16/2022 23:54	WG1960935
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/16/2022 23:54	WG1960935
Total Xylene	0.00991		0.000510	0.00150	0.00150	1	11/16/2022 23:54	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/16/2022 23:54*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 00:17	WG1960935
Toluene	0.000567	B J	0.000412	0.00100	0.00100	1	11/17/2022 00:17	WG1960935
Ethylbenzene	0.000468	B J	0.000160	0.000500	0.000500	1	11/17/2022 00:17	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 00:17	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/17/2022 00:17*	WG1960935

DS-MW-4-111122
Collected date/time: 11/11/22 13:20
L1558131

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 00:38	WG1960935
Toluene	0.000479	B J	0.000412	0.00100	0.00100	1	11/17/2022 00:38	WG1960935
Ethylbenzene	0.000222	B J	0.000160	0.000500	0.000500	1	11/17/2022 00:38	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 00:38	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 00:38*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 01:00	WG1960935
Toluene	0.000504	B J	0.000412	0.00100	0.00100	1	11/17/2022 01:00	WG1960935
Ethylbenzene	0.000212	B J	0.000160	0.000500	0.000500	1	11/17/2022 01:00	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 01:00	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 01:00*	WG1960935

DS-MW-8-111122
Collected date/time: 11/11/22 10:10
L1558131

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/18/2022 13:50	WG1961635
Toluene	0.000471	J	0.000412	0.00100	0.00100	1	11/18/2022 13:50	WG1961635
Ethylbenzene	0.000289	B J	0.000160	0.000500	0.000500	1	11/18/2022 13:50	WG1961635
Total Xylene	U		0.000510	0.00150	0.00150	1	11/18/2022 13:50	WG1961635
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/18/2022 13:50*	WG1961635

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 01:22	WG1960935
Toluene	0.000412	J	0.000412	0.00100	0.00100	1	11/17/2022 01:22	WG1960935
Ethylbenzene	0.000286	B J	0.000160	0.000500	0.000500	1	11/17/2022 01:22	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 01:22	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 01:22*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 01:44	WG1960935
Toluene	0.000441	B J	0.000412	0.00100	0.00100	1	11/17/2022 01:44	WG1960935
Ethylbenzene	0.000297	B J	0.000160	0.000500	0.000500	1	11/17/2022 01:44	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 01:44	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 01:44*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 02:06	WG1960935
Toluene	U		0.000412	0.00100	0.00100	1	11/17/2022 02:06	WG1960935
Ethylbenzene	0.000337	B J	0.000160	0.000500	0.000500	1	11/17/2022 02:06	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 02:06	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 02:06*	WG1960935

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 02:27	WG1960935
Toluene	0.000463	B J	0.000412	0.00100	0.00100	1	11/17/2022 02:27	WG1960935
Ethylbenzene	0.000366	B J	0.000160	0.000500	0.000500	1	11/17/2022 02:27	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 02:27	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/17/2022 02:27*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/17/2022 02:49	WG1960935
Toluene	U		0.000412	0.00100	0.00100	1	11/17/2022 02:49	WG1960935
Ethylbenzene	0.000337	B J	0.000160	0.000500	0.000500	1	11/17/2022 02:49	WG1960935
Total Xylene	U		0.000510	0.00150	0.00150	1	11/17/2022 02:49	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/17/2022 02:49*	WG1960935

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	2.69		0.0190	0.000500	0.0500	100	11/17/2022 06:28	WG1960935
Toluene	0.281	B	0.0412	0.00100	0.100	100	11/17/2022 06:28	WG1960935
Ethylbenzene	0.363		0.0160	0.000500	0.0500	100	11/17/2022 06:28	WG1960935
Total Xylene	0.770		0.0510	0.00150	0.150	100	11/17/2022 06:28	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/17/2022 06:28*	WG1960935

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Acenaphthene	0.000598		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Acenaphthylene	U		0.0000171	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Benzo(a)anthracene	U		0.0000203	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Benzo(a)pyrene	U		0.0000184	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Benzo(b)fluoranthene	0.0000313	J	0.0000168	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Benzo(g,h,i)perylene	0.0000243	J	0.0000184	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Benzo(k)fluoranthene	U		0.0000202	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Chrysene	0.000127		0.0000179	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Dibenzofuran	0.00209		0.0000191	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Fluoranthene	0.000111		0.0000270	0.000100	0.000100	1	11/19/2022 14:17	WG1962169
Fluorene	0.00229		0.0000169	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Naphthalene	0.0547		0.0000917	0.000250	0.000250	1	11/19/2022 14:17	WG1962169
Phenanthrene	0.00332		0.0000180	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
Pyrene	0.0000747		0.0000169	0.0000500	0.0000500	1	11/19/2022 14:17	WG1962169
1-Methylnaphthalene	0.0414		0.0000687	0.000250	0.000250	1	11/19/2022 14:17	WG1962169
2-Methylnaphthalene	0.0514		0.0000674	0.000250	0.000250	1	11/19/2022 14:17	WG1962169
(S) Nitrobenzene-d5	*107*				*31.0-160*		*11/19/2022 14:17*	WG1962169
(S) 2-Fluorobiphenyl	*83.5*				*48.0-148*		*11/19/2022 14:17*	WG1962169
(S) p-Terphenyl-d14	*90.0*				*37.0-146*		*11/19/2022 14:17*	WG1962169

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00181		0.000190	0.000500	0.000500	1	11/17/2022 03:11	WG1960935
Toluene	0.00322	B	0.000412	0.00100	0.00100	1	11/17/2022 03:11	WG1960935
Ethylbenzene	0.0187		0.000160	0.000500	0.000500	1	11/17/2022 03:11	WG1960935
Total Xylene	0.00658		0.000510	0.00150	0.00150	1	11/17/2022 03:11	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/17/2022 03:11*	WG1960935

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	4.58		0.0190	0.000500	0.0500	100	11/17/2022 06:49	WG1960935
Toluene	0.338	B	0.0412	0.00100	0.100	100	11/17/2022 06:49	WG1960935
Ethylbenzene	0.427		0.0160	0.000500	0.0500	100	11/17/2022 06:49	WG1960935
Total Xylene	0.826		0.0510	0.00150	0.150	100	11/17/2022 06:49	WG1960935
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/17/2022 06:49*	WG1960935

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Acenaphthene	0.000665		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Acenaphthylene	U		0.0000171	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Benzo(a)anthracene	U		0.0000203	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Benzo(a)pyrene	0.0000402	J	0.0000184	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Benzo(b)fluoranthene	0.0000716		0.0000168	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Benzo(g,h,i)perylene	0.0000428	J	0.0000184	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Benzo(k)fluoranthene	U		0.0000202	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Chrysene	0.000235		0.0000179	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Dibenzofuran	0.00255		0.0000191	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Fluoranthene	0.000251		0.0000270	0.000100	0.000100	1	11/19/2022 14:34	WG1962169
Fluorene	0.00284		0.0000169	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Naphthalene	0.0745		0.0000917	0.000250	0.000250	1	11/19/2022 14:34	WG1962169
Phenanthrene	0.00384		0.0000180	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
Pyrene	0.000158		0.0000169	0.0000500	0.0000500	1	11/19/2022 14:34	WG1962169
1-Methylnaphthalene	0.0479		0.0000687	0.000250	0.000250	1	11/19/2022 14:34	WG1962169
2-Methylnaphthalene	0.0527		0.0000674	0.000250	0.000250	1	11/19/2022 14:34	WG1962169
(S) Nitrobenzene-d5	*84.5*				*31.0-160*		*11/19/2022 14:34*	WG1962169
(S) 2-Fluorobiphenyl	*76.5*				*48.0-148*		*11/19/2022 14:34*	WG1962169
(S) p-Terphenyl-d14	*71.0*				*37.0-146*		*11/19/2022 14:34*	WG1962169

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.261		0.00190	0.000500	0.00500	10	11/18/2022 20:12	WG1961632
Toluene	U		0.00412	0.00100	0.0100	10	11/18/2022 20:12	WG1961632
Ethylbenzene	0.0254	B	0.00160	0.000500	0.00500	10	11/18/2022 20:12	WG1961632
Total Xylene	0.0269		0.00510	0.00150	0.0150	10	11/18/2022 20:12	WG1961632
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/18/2022 20:12*	WG1961632

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Acenaphthene	0.000344		0.0000190	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Acenaphthylene	U		0.0000171	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Benzo(a)anthracene	U		0.0000203	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Benzo(a)pyrene	U		0.0000184	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Benzo(b)fluoranthene	0.0000194	J	0.0000168	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Benzo(k)fluoranthene	U		0.0000202	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Chrysene	0.0000850		0.0000179	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Dibenzofuran	0.000886		0.0000191	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Fluoranthene	0.0000617	J	0.0000270	0.000100	0.000100	1	11/19/2022 14:52	WG1962169
Fluorene	0.000966		0.0000169	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Naphthalene	0.0151		0.0000917	0.000250	0.000250	1	11/19/2022 14:52	WG1962169
Phenanthrene	0.00184		0.0000180	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
Pyrene	0.0000454	J	0.0000169	0.0000500	0.0000500	1	11/19/2022 14:52	WG1962169
1-Methylnaphthalene	0.0145		0.0000687	0.000250	0.000250	1	11/19/2022 14:52	WG1962169
2-Methylnaphthalene	0.0142		0.0000674	0.000250	0.000250	1	11/19/2022 14:52	WG1962169
(S) Nitrobenzene-d5	*151*				*31.0-160*		*11/19/2022 14:52*	WG1962169
(S) 2-Fluorobiphenyl	*95.0*				*48.0-148*		*11/19/2022 14:52*	WG1962169
(S) p-Terphenyl-d14	*98.5*				*37.0-146*		*11/19/2022 14:52*	WG1962169

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	2.93		0.00475	0.000500	0.0125	25	11/18/2022 20:34	WG1961632
Toluene	0.264		0.0103	0.00100	0.0250	25	11/18/2022 20:34	WG1961632
Ethylbenzene	0.436		0.00400	0.000500	0.0125	25	11/18/2022 20:34	WG1961632
Total Xylene	0.869		0.0128	0.00150	0.0375	25	11/18/2022 20:34	WG1961632
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/18/2022 20:34*	WG1961632

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.271		0.00190	0.000500	0.00500	10	11/18/2022 20:55	WG1961632
Toluene	U		0.00412	0.00100	0.0100	10	11/18/2022 20:55	WG1961632
Ethylbenzene	0.0255	B	0.00160	0.000500	0.00500	10	11/18/2022 20:55	WG1961632
Total Xylene	0.0268		0.00510	0.00150	0.0150	10	11/18/2022 20:55	WG1961632
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/18/2022 20:55*	WG1961632

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	11/18/2022 15:28	WG1961632
Toluene	0.000507	J	0.000412	0.00100	0.00100	1	11/18/2022 15:28	WG1961632
Ethylbenzene	0.000276	B J	0.000160	0.000500	0.000500	1	11/18/2022 15:28	WG1961632
Total Xylene	U		0.000510	0.00150	0.00150	1	11/18/2022 15:28	WG1961632
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/18/2022 15:28*	WG1961632

TRIP BLANK
Collected date/time: 11/11/22 00:00
L1558131

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/18/2022 15:06	WG1961632
Toluene	0.000424	J	0.000412	0.00100	0.00100	1	11/18/2022 15:06	WG1961632
Ethylbenzene	0.000290	B J	0.000160	0.000500	0.000500	1	11/18/2022 15:06	WG1961632
Total Xylene	U		0.000510	0.00150	0.00150	1	11/18/2022 15:06	WG1961632
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/18/2022 15:06*	WG1961632

Method Blank (MB)

(MB) R3862398-3 11/16/22 22:14

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000464	J	0.000412	0.00100
Ethylbenzene	0.000325	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*109*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3862398-2 11/16/22 21:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0542	108	77.0-122	
Toluene	0.0500	0.0488	97.6	80.0-121	
Ethylbenzene	0.0500	0.0543	109	80.0-123	
Total Xylene	0.150	0.148	98.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*79.0-125*	

Method Blank (MB)

(MB) R3863555-3 11/18/22 13:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	0.000299	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3863555-1 11/18/22 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0522	104	77.0-122	
Toluene	0.0500	0.0451	90.2	80.0-121	
Ethylbenzene	0.0500	0.0525	105	80.0-123	
Total Xylene	0.150	0.143	95.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*109*	*79.0-125*	

Method Blank (MB)

(MB) R3863556-3 11/18/22 13:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	0.000299	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3863556-1 11/18/22 12:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0522	104	77.0-122	
Toluene	0.0500	0.0451	90.2	80.0-121	
Ethylbenzene	0.0500	0.0525	105	80.0-123	
Total Xylene	0.150	0.143	95.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*109*	*79.0-125*	

Method Blank (MB)

(MB) R3863520-3 11/19/22 10:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Dibenzofuran	U		0.0000191	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
(S) Nitrobenzene-d5	*101*			*31.0-160*
(S) 2-Fluorobiphenyl	*90.5*			*48.0-148*
(S) p-Terphenyl-d14	*97.0*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3863520-1 11/19/22 09:57 • (LCSD) R3863520-2 11/19/22 10:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00195	0.00190	97.5	95.0	67.0-150			2.60	20
Acenaphthene	0.00200	0.00190	0.00183	95.0	91.5	65.0-138			3.75	20
Acenaphthylene	0.00200	0.00191	0.00183	95.5	91.5	66.0-140			4.28	20
Benzo(a)anthracene	0.00200	0.00204	0.00182	102	91.0	61.0-140			11.4	20
Benzo(a)pyrene	0.00200	0.00218	0.00187	109	93.5	60.0-143			15.3	20
Benzo(b)fluoranthene	0.00200	0.00198	0.00177	99.0	88.5	58.0-141			11.2	20
Benzo(g,h,i)perylene	0.00200	0.00184	0.00164	92.0	82.0	52.0-153			11.5	20
Benzo(k)fluoranthene	0.00200	0.00199	0.00174	99.5	87.0	58.0-148			13.4	20
Chrysene	0.00200	0.00204	0.00180	102	90.0	64.0-144			12.5	20
Dibenz(a,h)anthracene	0.00200	0.00184	0.00162	92.0	81.0	52.0-155			12.7	20
Dibenzofuran	0.00200	0.00193	0.00185	96.5	92.5	67.0-134			4.23	20

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM L1558131-11,13,14

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3863520-1 11/19/22 09:57 • (LCSD) R3863520-2 11/19/22 10:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.00200	0.00206	0.00197	103	98.5	69.0-153			4.47	20
Fluorene	0.00200	0.00197	0.00187	98.5	93.5	64.0-136			5.21	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00196	0.00175	98.0	87.5	54.0-153			11.3	20
Naphthalene	0.00200	0.00183	0.00179	91.5	89.5	61.0-137			2.21	20
Phenanthrene	0.00200	0.00195	0.00186	97.5	93.0	62.0-137			4.72	20
Pyrene	0.00200	0.00204	0.00195	102	97.5	60.0-142			4.51	20
1-Methylnaphthalene	0.00200	0.00184	0.00180	92.0	90.0	66.0-142			2.20	20
2-Methylnaphthalene	0.00200	0.00193	0.00189	96.5	94.5	62.0-136			2.09	20
(S) Nitrobenzene-d5				*107*	*102*	*31.0-160*				
(S) 2-Fluorobiphenyl				*85.5*	*90.0*	*48.0-148*				
(S) p-Terphenyl-d14				*97.0*	*89.0*	*37.0-146*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Karolanne Hudgens
1106 Griffith Drive
Midland, TX 79705

Report to: **John Fergerson**

Email To: john.fergerson@ghd.com
KHudgens@paalp.com

Project Description: Denton Station

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **SRS2003-00338**

Lab Project # **PLAINSGHD-12572685**

Collected by (print): Mitchell Clement

Site/Facility ID # **SRS2003-0038**

P.O. #

Collected by (signature): Mitchell Clem

Immediately Packed on Ice N ____ Y ✓

Rush? (Lab MUST Be Notified)
____ Same Day ✓ Five Day
____ Next Day ____ 5 Day (Rad Only)
____ Two Day ____ 10 Day (Rad Only)
____ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL	PAHSIMLVI 40mLAmb-NoPres-WT
DS-MW-1R-111122	Grab	GW	-	11-11-22	13:10	3	X	
DS-MW-2R-111122		GW			13:50			
DS-MW-4-111122		GW			13:20			
DS-MW-6-111122		GW			12:40			
DS-MW-8-111122		GW			10:10			
DS-MW-9-111122		GW			10:30			
DS-MW-12-111122		GW			14:40			
DS-MW-18-111122		GW			10:40			
DS-MW-19-111122		GW			14:10			
DS-MW-20-111122	↓	GW	↓	↓	15:05	↓	↓	

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

L1558131

SDG # L1558177

Ta F124

Acctnum: **PLAINSGHD**

Template: **T217797**

Prelogin: **P960231**

PM: **Brittnie L Boyd**

PB:

Shipped Via:

Remarks | Sample # (lab only)

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
	11/14/22	1130		3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.7 °C Bottles Received: 60
	11/14/22	1700	SWA	0.7+0.7
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/15 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Attn: Karolanne Hudgens
1106 Griffith Drive
Midland, TX 79705

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

Pace
PEOPLE ADVANCING SCIENCE

12065 Lebanon Rd Mount Juliet, TN 37122
Phone: 615-758-5858 Alt: 800-767-5859

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Report to: **John Fergerson**

Email To: **john.fergerson@ghd.com**
KHudgens@paalp.com

Project Description: **Denton Station**

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **SRS2003-00338**

Lab Project # **PLAINSGHD-12572685**

SDG # L1558131

Collected by (print): Mitchell Clemens

Site/Facility ID # **SRS2003-0038**

P.O. #

Table #

Collected by (signature): Mitchell Clemens

Immediately Packed on Ice N ___ Y √

Rush? (Lab MUST Be Notified)
___ Same Day √ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: **PLAINSGHD**
Template: **T217797**
Prelogin: **P960231**
PM: **Brittnie L Boyd**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL	PAHSIMLVI 40mLAmb-NoPres-WT	Remarks	Sample # (lab only)
DS-MW-3R-111122	Grab	GW		11-11-22	11:20	5	X	X		
DS-MW-5-111122		GW			12:30	3	X			
DS-MW-7-111122		GW			11:50	5	X	X		
DS-MW-17-111122	↓	GW			11:30	5	X	X		
DS-DUP-1-111122		GW			-	3	X			
DS-DUP-2-111122		GW			-	3	X			
~~Equipment~~ Equip-Blank		~~GW~~ OT			-	3	X			
Trip-Blank	↓	OT	↓	↓	-	3	X			

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: √Y __N
Bottles arrive intact: √Y __N
Correct bottles used: √Y __N
Sufficient volume sent: √Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: √Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	11/14/22	1130		3	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp °C Bottles Received:	
	11/14/22	1700	SWA	0.7+0.2=0.7 60	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				11/15 0800	

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

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 200194
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Monitoring Report for Denton Station (1RP-0234): Content Satisfactory 1. Continue to conduct quarterly monitoring for all wells with sufficient volume. 2. Please submit permits for wells to be P&A'd or submit a P&A work plan if NMOCD signature is required and not the OSE. 3. Please upload all permits for P&A work completed and well installation work. 4. Continue to submit all annual reporting requirements by April 1, 2024.	1/29/2024