2022 Annual Groundwater Monitoring Report

Darr Angell No. 4
Plains SRS #2001-10876
Lea County, New Mexico
NMOCD Abatement Permit No. AP-007
Incident ID #: nAPP2108856592

Plains All American Pipeline, L.P.

March 29, 2023

→ **The Power of Commitment**

Review of 2022 Annual Groundwater Monitoring Report: **Content Satisfactory**
1. Continue NMOCD-approved quarterly groundwater monitoring events for sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells.
2. Conduct quarterly enhanced fluid recovery (EFR) events on recovery well RW-4R to reduce and remove LNAPL plume.
3. Conduct weekly BTEX abatement in conjunction with LNAPL abatement on recovery wells RW-3R, RW-4R, RW-9, RW-10R, RW-16, RW-17, and RW-18.
4. Complete and submit a Work Plan for plugging and abandoning of monitoring wells and recovery wells considered dry due to a lack of fluid column or gauged dry. Drill and install replacement monitoring and recovery wells to evaluate the Site's groundwater conditions and maintain delineation, and to evaluate the extent a magnitude of the LNAPL plume.
5. Survey the new monitoring well's top-of-casing and ground surface elevations and re-survey the existing monitoring well and recovery well's top-of-casing and ground surface elevations.
Submit summarized activities and their results in next annual report. Submittal to OCD expected no later than 03/31/2024

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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 requirements. This report provides quarterly results of groundwater sampling events and remediation activities completed at Darr Angell No. 4 (Site) during 2022. Quarterly groundwater monitoring events were conducted on February 14 - 15, 2022, May 5 - 6, 2022, August 15 - 18, 2022, and November 9 - 10, 2022.

1.1 Site Location History

The Site is located approximately 12.4 miles northeast of Lovington and in the NW ¼, NE ¼, Section 11, Township 15 South, Range 37 East; and SW ¼, SE ¼, Section 2, Township 15 South, Range 37 East, in Lea County, New Mexico. The coordinates of this Site are 33.0386° N and 103.1676° 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 Enron Oil Trading and Transportation (EOTT). Monitoring and remediation of the Site is currently the responsibility of Plains. There were two (2) separate pipeline releases at the Site. The first release occurred on November 9, 1999, and the second release on February 2, 2001. The second release was discovered by EOTT, who notified the New Mexico Oil Conservation Division (NMOCD) immediately. On May 21, 2005, an Initial Release Notification and Corrective Action, Form C-141 was submitted to the NMOCD and the release was assigned Abatement Permit (AP) No. AP-007. The Form C-141 reported the release of 150 barrels (bbls) of crude oil with 95 bbls recovered. The Release was reported to have occurred from an 8-inch EOTT pipeline and resulted due to internal corrosion. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A. Beginning on May 29, 2004, project management and remediations responsibilities were conducted by Nova Training and Environmental (NOVA). On May 2, 2011, Conestoga Rovers & Associates, Inc (CRA) (currently known as GHD Services Inc. [GHD]) assumed Site groundwater project management and remediation responsibilities. 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 thirty (30) groundwater monitoring and recovery wells (MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R, MW-10R, MW-11R, MW-12R, MW-13R, MW-14, MW-15, MW-16, MW-17, MW-18, RW-3R, RW-4R, RW-5R, RW-7, RW-9, RW-10R, RW-11, RW-13, RW-14, RW-15, RW-16, RW-17, RW-18, and RW-19), which are monitored quarterly to delineate the extent and evaluate the concentration of contaminants of concern (COCs) in impacted groundwater and evaluate the magnitude and extent of the LNAPL plume. All Site monitoring and recovery 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 clean-up activities have included monitoring and recovery well installations, which resulted in the thirty (30) groundwater monitoring and recovery wells at the Site.

On October 9, 2014, GHD provided oversight of the plugging and abandonment of recovery well RW-4. Between October 9 and October 14, 2014, GHD provided oversight of the drilling and installation of four (4) recovery wells (RW-3R, RW-4R, RW-14, and RW-15) to enhance LNAPL recovery, and to evaluate the magnitude and extent of the LNAPL plume. On October 15, 2014, GHD provided oversight of the plugging and abandonment of two (2) monitoring wells (MW-3 and MW-12), one (1) recovery well (RW-3), and drilling and installation of two (2) monitoring wells (MW-3R and MW-12R) to replace the two (2) respective plugged and abandoned wells and maintain delineation. On February 23, 2017, GHD provided oversight of plugging and abandonment of three (3) monitoring wells (MW-4, MW-8, and MW-10), and two (2) recovery wells (RW-5 and RW-6). Between February 23 and March 2017, GHD provided oversight of the drilling of three (3) monitoring wells (MW-4R, MW-8R

and MW-10R) to replace the respective plugged and abandoned wells; the drilling and installation of one (1) additional monitoring well (MW-17); and three (3) recovery wells (RW-5R, RW-16, and RW-17) to maintain and further delineate the groundwater conditions at the Site. On February 19, 2020, GHD provided oversight of the plugging and abandonment of eight (8) monitoring wells (MW-1A, MW-2, MW-5, MW-6, MW-7, MW-9, MW-11, and MW-13) and five (5) recovery wells (RW-1, RW-2, RW-8, RW-10, and RW-12). On March 10, 2020, GHD provided oversight of the drilling and installation of three (3) recovery wells (RW-10R, RW-18, and RW-19) for LNAPL recovery and further evaluation of the magnitude and extent of the LNAPL plume. On April 12 and 14, 2020, GHD provided oversight to the drilling and installation of seven (7) monitoring wells (MW-1R, MW-2R, MW-5R, MW-7R, MW-11R, MW-13R, and MW-18) to maintain and further delineate the groundwater conditions at 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. The NMOCD Groundwater Delineation and Remediation 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 (NMAC) 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 milligrams per liter (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 14 - 15, 2022, May 5 - 6, 2022, August 15 - 18, 2022, and November 9 - 10, 2022. Static fluid levels were gauged with an oil-water interface probe to the nearest hundredth of a foot and recorded. Monitoring and recovery 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 then 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 the United States Environmental Protection Agency (EPA) Method SW846-8021B.

During the fourth quarterly monitoring event, Site wells which had not previously met the criteria of two (2) consecutive years of PAH compounds below the NMWQCC standards and below 0.001 mg/L for PAH compounds with an undefined NMWQCC standard were analyzed for PAH by EPA Method SW846-8270C-SIM. No monitoring or recovery well groundwater samples were submitted for analysis of PAH.

Purged water recovered during the monitoring events was disposed of in 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 northeast during the quarterly gauging events. The average gradient of the potentiometric surface during 2022 was 0.002 feet/foot (ft./ft.), which indicated an average gradient increase of 0.001 ft./ft. between November 2021 and November 2022. Magnitudes and direction of these gradients are 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 Site wells measured had net average declines of the elevations 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 0.94 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 Figure 3, Figure 4, Figure 5, and Figure 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 recovery wells: RW-3R (3.35 ft., 0.90 ft., 2.42 ft., and 1.68 ft.) during all quarterly monitoring events; RW-4R (0.57 ft., 0.38 ft., 0.62 ft., and 0.95 ft.) during all quarterly monitoring events; RW-9 (0.07 ft., 0.09 ft., 0.07 ft., and 0.25 ft.) during all quarterly monitoring events; RW-10R (0.60 ft., 0.71 ft., 0.41 ft., and 1.00 ft.) during all quarterly monitoring events; RW-16 (0.75 ft., 0.54 ft., 0.59 ft., and 0.71 ft.) during all quarterly monitoring events; RW-17 (1.11 ft., 1.47 ft., 0.53 ft., and 1.41 ft.) during all quarterly monitoring events; and RW-18 (1.25 ft., 0.91 ft., 0.90 ft., and 0.51 ft.) during all quarterly monitoring events. The LNAPL thickness increased by a net average of 0.27 ft. between November 2021 and November 2022. The respective LNAPL thicknesses measured for the four (4) quarterly gauging events are provided in Table 1 and on Figure 7, Figure 8, Figure 9, and Figure 10.

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 and recovery wells for each respective

quarterly event are included in Table 2. Maps depicting analytical results are provided as Figure 7, Figure 8, Figure 9, and Figure 10.

3.4.1 First Quarter Summary

GHD conducted the first quarterly groundwater gauging, purging, and sampling event on February 14 - 15 and 28, 2022. Monitoring wells MW-14, MW-15, MW-16, and recovery well RW-11 were gauged dry. Recovery wells RW-7 and RW-13 had a fluid column of <1.0 ft. and were considered dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3R (3.35 ft.), RW-4R (0.57 ft.), RW-9 (0.07 ft.), RW-10R (0.60 ft.), RW-16 (0.75 ft.), RW-17 (1.11 ft.), and RW-18(1.25 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R, MW-10R, MW-11R, MW-12R, MW-13R, MW-17, and MW-18, and recovery wells RW-5R, RW-14, RW-15, and RW-19. Approximately 146 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated a benzene concentration greater than 0.01 mg/L in monitoring well MW-8R. The analytical results indicated the toluene, ethylbenzene, and total xylene concentrations were less than the applicable NMWQCC criteria in MW-8R. Analytical results for the initial and field duplicate groundwater samples collected were not significantly different. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

3.4.2 Second Quarter Summary

GHD conducted the second quarterly groundwater gauging, purging, and sampling event on May 5 - 6, 2022. Monitoring wells MW-14, MW-15, MW-16, and recovery wells RW-7 and RW-11 were gauged dry. Recovery well RW-13 had a fluid column of <1.0 ft. and was considered dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3R (0.90 ft.), RW-4R (0.38 ft.), RW-9 (0.09 ft.), RW-10R (0.71 ft.), RW-16 (0.54 ft.), RW-17 (1.47 ft.), and RW-18 (0.91 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R, MW-10R, MW-11R, MW-12R, MW-13R, MW-17, and MW-18, and recovery wells RW-5R, RW-14, RW-15, and RW-19. Approximately 152 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated BTEX concentrations less than the NMWQCC criteria for samples collected from each respective monitoring well and recovery well. No field duplicate groundwater sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

3.4.3 Third Quarter Summary

GHD conducted the third quarterly groundwater gauging, purging, and sampling event on August 15 - 18 and 23, 2022. Monitoring wells MW-14, MW-15, MW-16, and recovery wells RW-7, RW-11, and RW-13 were gauged dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3R (2.42 ft.), RW-4R (0.62 ft.), RW-9 (0.07 ft.), RW-10R (0.41 ft.), RW-16 (0.59 ft.), RW-17 (0.53 ft.), and RW-18 (0.90 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R, MW-10R, MW-11R, MW-12R, MW-13R, MW-17, and MW-18, and recovery wells RW-5R, RW-14, RW-15, and RW-19. Approximately 180 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated BTEX concentrations less than the NMWQCC criteria for samples collected from each respective monitoring well and recovery well. No field duplicate groundwater sample was collected during the event. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

3.4.4 Fourth Quarter Summary

GHD conducted the fourth quarterly groundwater gauging, purging, and sampling event on November 9 - 10, 2022. Monitoring wells MW-14, MW-15, MW-16, and recovery wells RW-7, RW-11, and RW-13 were gauged dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3R (1.68 ft.), RW-4R (0.95 ft.), RW-9 (0.25 ft.), RW-10R (1.00 ft.), RW-16 (0.71 ft.), RW-17 (1.41 ft.), and RW-18 (0.51 ft.) during the event. Groundwater samples were collected from monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R,

MW-10R, MW-11R, MW-12R, MW-13R, MW-17, and MW-18, and recovery wells RW-5R, RW-14, RW-15, and RW-19. Approximately 173 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated BTEX concentrations less than the NMWQCC criteria for samples collected from each respective monitoring well and recovery well. Results for the BTEX concentration analyses of the initial and field duplicate groundwater samples collected were significantly higher by approximately 25 percent and lower by 28 percent for each respective sample. Both were below the NMWQCC criteria. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

4. Remediation Activities

GHD conducted weekly LNAPL abatement via hand bailing or monsoon pump for Site wells with measurable thicknesses of LNAPL.

A remediation pump system which had operated at the Site was taken out-of-service and the pumps were removed from the recovery wells in January 2022. Weekly LNAPL recovery via hand bailing or monsoon pump was initiated on March 7, 2022, with approximately 48.5 gallons recovered during 2022.

5. Summary of Findings

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

- Measurable LNAPL thicknesses were measured on the groundwater of recovery wells RW-3R, RW-4R, RW-9, RW-10R, RW-16, RW-17, and RW-18 during the four (4) quarterly monitoring events. Recovery wells RW-3R, RW-16, and RW-18 exhibited a decrease in LNAPL thickness and recovery wells RW-4R, RW-9, RW-10R, and RW-17 exhibited an increase in LNAPL thickness. Overall, the LNAPL thickness increased by a net average of 0.27 ft. between November 2021 and November 2022.
- Monitoring wells MW-14, MW-15, MW-16, and recovery well RW-11 were gauged dry throughout 2022. Recovery well RW-7 was considered dry due to <1.0 ft. of fluid column being gauged during the first quarterly event and was gauged dry for the second, third, and fourth quarterly events. Recovery well RW-13 was considered dry due to <1.0 ft. of fluid column being gauged during the first and second quarterly events and gauged dry for the third and fourth quarterly events.
- The groundwater flow direction was generally to the northeast during the quarterly events. The average gradient of the potentiometric surface during 2022 was 0.002 ft/ft.
- The potentiometric surface indicates groundwater elevations have declined an average of 0.94 ft between November 2021 and November 2022. Fluctuations in the elevation of the potentiometric surface may be attributed to seasonal weather conditions.
- During the four (4) quarterly events, monitoring wells MW-1R, MW-2R, MW-3R, MW-4R, MW-5R, MW-7R, MW-8R, MW-10R, MW-11R, MW-12R, MW-13R, MW-17, and MW-18, and recovery wells RW-5R, RW-14, RW-15, and RW-19 were purged and sampled using a hand bailer for determination of BTEX concentrations.
- The benzene concentration was above the NMWQCC Human Health Standard criteria for monitoring well MW-8 during the first quarterly event.
- Toluene, ethylbenzene, and total xylene concentrations were less than the applicable NMWQCC Human Health Standard criteria during the first quarterly event.

- BTEX concentrations were less than the NMWQCC Human Health Standard criteria for samples collected from the Site's monitoring and recovery wells during the second, third, and fourth quarterly events.
- Weekly LNAPL abatement was conducted during all of 2022.

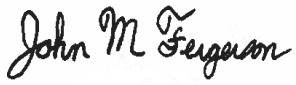
6. Recommendations

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

- Continue NMOCD-approved quarterly groundwater monitoring events for sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells.
- Conduct quarterly enhanced fluid recovery (EFR) events on recovery well RW-4R to reduce and remove LNAPL plume.
- Conduct weekly BTEX abatement in conjunction with LNAPL abatement on recovery wells RW-3R, RW-4R, RW-9, RW-10R, RW-16, RW-17, and RW-18.
- Complete and submit a Work Plan for plugging and abandoning of monitoring wells and recovery wells considered dry due to a lack of fluid column or gauged dry. Drill and install replacement monitoring and recovery wells to evaluate the Site's groundwater conditions and maintain delineation, and to evaluate the extent a magnitude of the LNAPL plume.
- Survey the new monitoring well's top-of-casing and ground surface elevations and re-survey the existing monitoring well and recovery well's top-of-casing and ground surface elevations.

All of Which is Respectfully Submitted,

GHD



John Fergerson
Project Scientist

JT Murrey
Project Director

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-1A	3/3/17	3800.59	Dry	--	--	--	--
MW-1A	5/30/17	3800.59	Dry	--	--	--	79.25
MW-1A	8/28/17	3802.65	Dry	--	--	--	74.10
MW-1A	11/28/17	3802.65	Dry	--	--	--	74.08
MW-1A	2/26/18	3802.65	Dry	--	--	--	74.18
MW-1A	5/29/18	3802.65	Dry	--	--	--	--
MW-1A	8/27/18	3802.65	Dry	--	--	--	--
MW-1A	11/26/18	3802.65	Dry	--	--	--	74.17
MW-1A	2/26/19	3802.65	Dry	--	--	--	--
MW-1A	5/20/19	3802.65	Dry	--	--	--	74.03
MW-1A	7/22/19	3802.65	Dry	--	--	--	--
MW-1A	10/21/19	3802.65	Dry	--	--	--	74.19
MW-1A	2/19/20	P&A	--	--	--	--	--
MW-1R	4/16/20	3800.69	75.77	--	--	3724.92	93.03
MW-1R	5/1/20	3800.69	75.89	--	--	3724.80	-
MW-1R	5/12/20	3800.69	75.90	--	--	3724.79	-
MW-1R	6/19/20	3800.69	76.01	--	--	3724.68	-
MW-1R	7/29/20	3800.69	76.12	--	--	3724.57	-
MW-1R	8/24/20	3800.69	76.17	--	--	3724.52	-
MW-1R	9/14/20	3800.69	76.25	--	--	3724.44	-
MW-1R	11/2/20	3800.69	76.37	--	--	3724.32	-
MW-1R	12/11/20	3800.69	76.48	--	--	3724.21	--
MW-1R	1/26/21	3800.69	76.62	--	--	3724.07	--
MW-1R	2/9/21	3800.69	76.62	--	--	3724.07	92.72
MW-1R	3/25/21	3800.69	76.75	--	--	3723.94	--
MW-1R	4/28/21	3800.69	76.83	--	--	3723.86	--
MW-1R	5/20/21	3800.69	76.90	--	--	3723.79	--
MW-1R	7/26/21	3800.69	77.06	--	--	3723.63	--
MW-1R	8/12/21	3800.69	77.11	--	--	3723.58	92.75
MW-1R	9/28/21	3800.69	77.22	--	--	3723.47	92.72
MW-1R	10/25/21	3800.69	77.26	--	--	3723.43	92.72
MW-1R	11/11/21	3800.69	77.30	--	--	3723.39	92.72
MW-1R	12/22/21	3800.69	77.39	--	--	3723.30	92.72
MW-1R	1/28/22	3800.69	77.53	--	--	3723.16	92.72
MW-1R	2/14/22	3800.69	77.56	--	--	3723.13	92.68
MW-1R	3/14/22	3800.69	77.67	--	--	3723.02	92.68
MW-1R	4/14/22	3800.69	77.78	--	--	3722.91	92.68
MW-1R	5/6/22	3800.69	77.75	--	--	3722.94	92.68
MW-1R	6/13/22	3800.69	77.89	--	--	3722.80	92.68
MW-1R	8/15/22	3800.69	78.06	--	--	3722.63	92.68
MW-1R	11/9/22	3800.69	78.27	--	--	3722.42	92.68
MW-2	3/3/17	3796.33	Dry	--	--	--	--
MW-2	5/30/17	3796.33	Dry	--	--	--	68.70
MW-2	8/28/17	3798.32	Dry	--	--	--	68.69
MW-2	11/28/17	3798.32	Dry	--	--	--	68.65
MW-2	2/26/18	3798.32	Dry	--	--	--	68.73
MW-2	5/29/18	3798.32	Dry	--	--	--	68.73
MW-2	8/27/18	3798.32	Dry	--	--	--	68.73
MW-2	11/26/18	3798.32	Dry	--	--	--	68.72
MW-2	2/26/19	3798.32	Dry	--	--	--	--
MW-2	5/20/19	3798.32	Dry	--	--	--	--
MW-2	7/22/19	3798.32	Dry	--	--	--	--
MW-2	10/21/19	3798.32	Dry	--	--	--	68.70
MW-2	2/19/20	P&A	--	--	--	--	--
MW-2R	4/13/20	--	--	--	--	--	--
MW-2R	4/16/20	3796.94	72.07	--	--	3724.87	92.55
MW-2R	5/1/20	3796.94	72.20	--	--	3724.74	--
MW-2R	5/12/20	3796.94	72.20	--	--	3724.74	--
MW-2R	6/19/20	3796.94	72.31	--	--	3724.63	--
MW-2R	7/29/20	3796.94	72.42	--	--	3724.52	--
MW-2R	8/24/20	3796.94	72.50	--	--	3724.44	--
MW-2R	9/14/20	3796.94	72.55	--	--	3724.39	--
MW-2R	11/2/20	3796.94	72.68	--	--	3724.26	--
MW-2R	12/11/20	3796.94	72.77	--	--	3724.17	--
MW-2R	1/26/21	3796.94	72.93	--	--	3724.01	--
MW-2R	2/9/21	3796.94	72.92	--	--	3724.02	92.64
MW-2R	3/25/21	3796.94	73.05	--	--	3723.89	--
MW-2R	4/28/21	3796.94	73.12	--	--	3723.82	--
MW-2R	5/20/21	3796.94	73.19	--	--	3723.75	--
MW-2R	7/26/21	3796.94	73.33	--	--	3723.61	--
MW-2R	8/12/21	3796.94	73.38	--	--	3723.56	92.63
MW-2R	9/28/21	3796.94	73.49	--	--	3723.45	92.64
MW-2R	10/25/21	3796.94	73.54	--	--	3723.40	92.64
MW-2R	11/11/21	3796.94	73.58	--	--	3723.36	92.64
MW-2R	12/22/21	3796.94	73.67	--	--	3723.27	92.64
MW-2R	1/28/22	3796.94	73.79	--	--	3723.15	92.64
MW-2R	2/14/22	3796.94	73.82	--	--	3723.12	91.91
MW-2R	3/14/22	3796.94	73.94	--	--	3723.00	91.91
MW-2R	4/14/22	3796.94	74.01	--	--	3722.93	91.91
MW-2R	5/6/22	3796.94	74.02	--	--	3722.92	91.91
MW-2R	6/13/22	3796.94	74.14	--	--	3722.80	91.91

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	8/15/22	3796.94	74.29	--	--	3722.65	91.91
MW-2R	11/9/22	3796.94	74.50	--	--	3722.44	91.91
MW-3R	3/3/17	3797.80	72.24	--	--	3725.56	84.43
MW-3R	3/3/17	3797.80	--	--	--	--	--
MW-3R	5/16/17	3797.80	--	--	--	--	--
MW-3R	5/30/17	3797.80	72.42	--	--	3725.38	84.91
MW-3R	6/2/17	3797.80	--	--	--	--	--
MW-3R	8/28/17	3799.85	72.62	--	--	3727.23	83.95
MW-3R	8/28/17	3799.85	--	--	--	--	--
MW-3R	11/28/17	3799.85	72.83	--	--	3727.02	83.84
MW-3R	11/30/17	3799.85	--	--	--	--	--
MW-3R	2/26/18	3799.85	72.98	--	--	3726.87	84.04
MW-3R	5/29/18	3799.85	73.25	--	--	3726.60	84.01
MW-3R	8/27/18	3799.85	73.39	--	--	3726.46	84.04
MW-3R	11/26/18	3799.85	73.65	--	--	3726.20	--
MW-3R	2/26/19	3799.85	73.89	--	--	3725.96	--
MW-3R	5/20/19	3799.85	74.10	--	--	3725.75	--
MW-3R	7/22/19	3799.85	74.21	--	--	3725.64	--
MW-3R	7/25/19	3799.85	--	--	--	--	--
MW-3R	10/21/19	3799.85	74.45	--	--	3725.40	--
MW-3R	10/25/19	3799.85	--	--	--	--	--
MW-3R	2/12/20	3799.85	74.73	--	--	3725.12	84.29
MW-3R	5/1/20	3799.85	74.91	--	--	3724.94	--
MW-3R	5/12/20	3799.85	74.90	--	--	3724.95	--
MW-3R	6/19/20	3799.85	75.00	--	--	3724.85	--
MW-3R	7/29/20	3799.85	75.11	--	--	3724.74	--
MW-3R	8/24/20	3799.85	75.18	--	--	3724.67	--
MW-3R	9/14/20	3799.85	75.23	--	--	3724.62	--
MW-3R	11/2/20	3799.85	75.35	--	--	3724.50	--
MW-3R	12/11/20	3799.85	75.44	--	--	3724.41	--
MW-3R	1/26/21	3799.85	75.59	--	--	3724.26	--
MW-3R	2/9/21	3799.85	75.63	--	--	3724.22	84.45
MW-3R	3/25/21	3799.85	75.74	--	--	3724.11	--
MW-3R	4/28/21	3799.85	75.81	--	--	3724.04	--
MW-3R	5/20/21	3799.85	75.89	--	--	3723.96	--
MW-3R	7/26/21	3799.85	76.03	--	--	3723.82	--
MW-3R	8/12/21	3799.85	76.09	--	--	3723.76	84.72
MW-3R	9/28/21	3799.85	76.18	--	--	3723.67	84.45
MW-3R	10/25/21	3799.85	76.20	--	--	3723.65	84.45
MW-3R	11/11/21	3799.85	76.24	--	--	3723.61	84.45
MW-3R	12/22/21	3799.85	76.37	--	--	3723.48	84.45
MW-3R	1/28/22	3799.85	76.48	--	--	3723.37	84.45
MW-3R	2/14/22	3799.85	76.51	--	--	3723.34	83.82
MW-3R	3/14/22	3799.85	76.61	--	--	3723.24	83.82
MW-3R	4/14/22	3799.85	76.87	--	--	3722.98	83.82
MW-3R	5/5/22	3799.85	76.72	--	--	3723.13	83.82
MW-3R	6/13/22	3799.85	76.84	--	--	3723.01	83.82
MW-3R	8/15/22	3799.85	77.00	--	--	3722.85	83.82
MW-3R	11/9/22	3799.85	77.21	--	--	3722.64	83.82
MW-4	2/23/17	P&A	--	--	--	--	--
MW-4R	3/3/17	--	--	--	--	--	--
MW-4R	5/30/17	3799.39	71.60	--	--	3727.79	90.80
MW-4R	8/10/17	3799.39	--	--	--	--	--
MW-4R	8/28/17	3799.39	71.80	--	--	3727.59	90.30
MW-4R	8/28/17	3799.39	--	--	--	--	--
MW-4R	11/28/17	3799.39	72.00	--	--	3727.39	90.29
MW-4R	11/30/17	3799.39	--	--	--	--	--
MW-4R	2/26/18	3799.39	72.15	--	--	3727.24	90.29
MW-4R	5/29/18	3799.39	72.41	--	--	3726.98	90.21
MW-4R	8/27/18	3799.39	72.58	--	--	3726.81	90.29
MW-4R	11/26/18	3799.39	72.85	--	--	3726.54	--
MW-4R	2/26/19	3799.39	73.06	--	--	3726.33	--
MW-4R	2/26/19	3799.39	--	--	--	--	--
MW-4R	4/30/19	3799.39	--	--	--	--	--
MW-4R	5/20/19	3799.39	73.28	--	--	3726.11	--
MW-4R	7/22/19	3799.39	73.42	--	--	3725.97	--
MW-4R	7/25/19	3799.39	--	--	--	--	--
MW-4R	10/21/19	3799.39	73.57	--	--	3725.82	--
MW-4R	10/25/19	3799.39	--	--	--	--	--
MW-4R	2/12/20	3799.39	73.94	--	--	3725.45	89.89
MW-4R	5/1/20	3799.39	74.12	--	--	3725.27	--
MW-4R	5/12/20	3799.39	74.14	--	--	3725.25	--
MW-4R	6/19/20	3799.39	74.21	--	--	3725.18	--
MW-4R	7/29/20	3799.39	74.34	--	--	3725.05	--
MW-4R	8/24/20	3799.39	74.40	--	--	3724.99	--
MW-4R	9/14/20	3799.39	74.49	--	--	3724.90	--
MW-4R	11/2/20	3799.39	74.59	--	--	3724.80	--
MW-4R	12/11/20	3799.39	74.70	--	--	3724.69	--
MW-4R	1/26/21	3799.39	74.50	--	--	3724.89	--
MW-4R	2/9/21	3799.39	74.85	--	--	3724.54	90.22
MW-4R	3/25/21	3799.39	74.98	--	--	3724.41	--

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-4R	4/28/21	3799.39	75.06	--	--	3724.33	--
MW-4R	5/20/21	3799.39	75.13	--	--	3724.26	--
MW-4R	7/26/21	3799.39	76.29	--	--	3723.10	--
MW-4R	8/12/21	3799.39	74.36	--	--	3725.03	90.23
MW-4R	9/28/21	3799.39	74.45	--	--	3724.94	90.22
MW-4R	10/25/21	3799.39	74.48	--	--	3724.91	90.22
MW-4R	11/11/21	3799.39	75.52	--	--	3723.87	90.22
MW-4R	12/22/21	3799.39	75.64	--	--	3723.75	90.22
MW-4R	1/28/22	3799.39	75.77	--	--	3723.62	90.22
MW-4R	2/14/22	3799.39	75.78	--	--	3723.61	90.11
MW-4R	3/14/22	3799.39	75.89	--	--	3723.50	90.11
MW-4R	4/14/22	3799.39	76.01	--	--	3723.38	90.11
MW-4R	5/5/22	3799.39	75.99	--	--	3723.40	90.11
MW-4R	6/13/22	3799.39	76.12	--	--	3723.27	90.11
MW-4R	8/15/22	3799.39	76.27	--	--	3723.12	90.11
MW-4R	11/9/22	3799.39	76.48	--	--	3722.91	90.11
MW-5	3/3/17	3797.23	Dry	--	--	--	--
MW-5	5/30/17	3797.23	Dry	--	--	--	70.20
MW-5	8/28/17	3799.29	Dry	--	--	--	70.10
MW-5	11/28/17	3799.29	Dry	--	--	--	70.07
MW-5	2/26/18	3799.29	Dry	--	--	--	70.14
MW-5	5/29/18	3799.29	Dry	--	--	--	70.13
MW-5	8/27/18	3799.29	Dry	--	--	--	70.14
MW-5	11/26/18	3799.29	Dry	--	--	--	70.14
MW-5	2/26/19	3799.29	Dry	--	--	--	--
MW-5	5/20/19	3799.29	Dry	--	--	--	--
MW-5	7/22/19	3799.29	Dry	--	--	--	--
MW-5	10/21/19	3799.29	Dry	--	--	--	70.13
MW-5	2/19/20	P&A	--	--	--	--	--
MW-5R	4/16/20	3798.50	73.50	--	--	3725.00	92.85
MW-5R	5/1/20	3798.50	73.53	--	--	3724.97	--
MW-5R	5/12/20	3798.50	73.56	--	--	3724.94	--
MW-5R	6/19/20	3798.50	73.64	--	--	3724.86	--
MW-5R	7/29/20	3798.50	73.77	--	--	3724.73	--
MW-5R	8/24/20	3798.50	73.81	--	--	3724.69	--
MW-5R	9/14/20	3798.50	73.90	--	--	3724.60	--
MW-5R	11/2/20	3798.50	74.01	--	--	3724.49	--
MW-5R	12/11/20	3798.50	74.11	--	--	3724.39	--
MW-5R	1/26/21	3798.50	74.26	--	--	3724.24	--
MW-5R	2/9/21	3798.50	74.27	--	--	3724.23	92.72
MW-5R	3/25/21	3798.50	74.39	--	--	3724.11	--
MW-5R	4/28/21	3798.50	74.48	--	--	3724.02	--
MW-5R	5/20/21	3798.50	74.54	--	--	3723.96	--
MW-5R	7/26/21	3798.50	74.70	--	--	3723.80	--
MW-5R	8/12/21	3798.50	74.74	--	--	3723.76	92.75
MW-5R	9/28/21	3798.50	74.87	--	--	3723.63	90.72
MW-5R	10/25/21	3798.50	74.89	--	--	3723.61	90.72
MW-5R	11/11/21	3798.50	74.93	--	--	3723.57	90.72
MW-5R	12/22/21	3798.50	75.04	--	--	3723.46	90.72
MW-5R	1/28/22	3798.50	75.14	--	--	3723.36	90.72
MW-5R	2/14/22	3798.50	75.19	--	--	3723.31	92.78
MW-5R	3/14/22	3798.50	75.30	--	--	3723.20	92.78
MW-5R	4/14/22	3798.50	75.41	--	--	3723.09	92.78
MW-5R	5/6/22	3798.50	75.40	--	--	3723.10	92.78
MW-5R	6/13/22	3798.50	75.52	--	--	3722.98	92.78
MW-5R	8/15/22	3798.50	75.67	--	--	3722.83	92.78
MW-5R	11/9/22	3798.50	75.89	--	--	3722.61	92.78
MW-6	3/3/17	3796.51	Dry	--	--	--	--
MW-6	5/30/17	3796.51	Dry	--	--	--	69.25
MW-6	8/28/17	3798.55	Dry	--	--	--	69.21
MW-6	11/28/17	3798.55	69.19	--	--	3729.36	69.20
MW-6	2/26/18	3798.55	Dry	--	--	--	69.23
MW-6	5/29/18	3798.55	Dry	--	--	--	69.25
MW-6	8/27/18	3798.55	Dry	--	--	--	69.23
MW-6	11/26/18	3798.55	Dry	--	--	--	69.20
MW-6	2/26/19	3798.55	Dry	--	--	--	--
MW-6	5/20/19	3798.55	Dry	--	--	--	--
MW-6	7/22/19	3798.55	Dry	--	--	--	--
MW-6	10/21/19	3798.55	Dry	--	--	--	69.20
MW-6	2/19/20	P&A	--	--	--	--	--
MW-7	3/3/17	3796.16	Dry	--	--	--	--
MW-7	5/30/17	3796.16	Dry	--	--	--	68.70
MW-7	8/28/17	3798.24	Dry	--	--	--	68.67
MW-7	11/29/17	3798.24	Dry	--	--	--	68.74
MW-7	2/26/18	3798.24	Dry	--	--	--	73.64
MW-7	5/29/18	3798.24	Dry	--	--	--	73.61
MW-7	8/27/18	3798.24	Dry	--	--	--	68.69
MW-7	11/26/18	3798.24	Dry	--	--	--	68.68
MW-7	2/26/19	3798.24	Dry	--	--	--	--
MW-7	5/20/19	3798.24	Dry	--	--	--	--
MW-7	7/22/19	3798.24	Dry	--	--	--	--

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
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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	10/21/19	3798.24	Dry	--	--	--	68.70
MW-7	2/19/20	P&A	--	--	--	--	--
MW-7R	4/16/20	3798.04	72.87	--	--	3725.17	92.65
MW-7R	5/1/20	3798.04	72.99	--	--	3725.05	--
MW-7R	5/12/20	3798.04	73.91	--	--	3724.13	--
MW-7R	6/19/20	3798.04	73.10	--	--	3724.94	--
MW-7R	7/29/20	3798.04	73.22	--	--	3724.82	--
MW-7R	8/24/20	3798.04	73.27	--	--	3724.77	--
MW-7R	9/14/20	3798.04	73.36	--	--	3724.68	--
MW-7R	11/2/20	3798.04	73.48	--	--	3724.56	--
MW-7R	12/11/20	3798.04	73.58	--	--	3724.46	--
MW-7R	1/26/21	3798.04	73.73	--	--	3724.31	--
MW-7R	2/9/21	3798.04	73.73	--	--	3724.31	92.93
MW-7R	3/25/21	3798.04	73.86	--	--	3724.18	--
MW-7R	4/28/21	3798.04	73.92	--	--	3724.12	--
MW-7R	5/20/21	3798.04	74.03	--	--	3724.01	--
MW-7R	7/26/21	3798.04	74.13	--	--	3723.91	--
MW-7R	8/12/21	3798.04	74.19	--	--	3723.85	92.73
MW-7R	9/28/21	3798.04	74.31	--	--	3723.73	92.93
MW-7R	10/25/21	3798.04	74.36	--	--	3723.68	92.93
MW-7R	11/11/21	3798.04	74.39	--	--	3723.65	92.93
MW-7R	12/22/21	3798.04	74.50	--	--	3723.54	92.93
MW-7R	1/28/22	3798.04	74.61	--	--	3723.43	92.93
MW-7R	2/14/22	3798.04	74.64	--	--	3723.40	92.82
MW-7R	3/14/22	3798.04	74.78	--	--	3723.26	92.82
MW-7R	4/14/22	3798.04	74.86	--	--	3723.18	92.82
MW-7R	5/6/22	3798.04	74.83	--	--	3723.21	92.82
MW-7R	6/13/22	3798.04	74.98	--	--	3723.06	92.82
MW-7R	8/15/22	3798.04	75.13	--	--	3722.91	92.82
MW-7R	11/9/22	3798.04	75.35	--	--	3722.69	92.82
MW-8	2/23/17	P&A	--	--	--	--	--
MW-8R	3/3/17	--	--	--	--	--	--
MW-8R	5/16/17	3798.47	--	--	--	--	--
MW-8R	5/30/17	3798.47	70.80		--	3727.67	89.93
MW-8R	6/2/17	3798.47	--	--	--	--	--
MW-8R	7/6/17	3798.47	--	--	--	--	--
MW-8R	7/13/17	3798.47	--	--	--	--	--
MW-8R	8/2/17	3798.47	--	--	--	--	--
MW-8R	8/28/17	3798.47	71.03		--	3727.44	88.85
MW-8R	8/28/17	3798.47	--	--	--	--	--
MW-8R	9/6/17	3798.47	--	--	--	--	--
MW-8R	9/13/17	3798.47	--	--	--	--	--
MW-8R	9/20/17	3798.47	--	--	--	--	--
MW-8R	10/12/17	3798.47	--	--	--	--	--
MW-8R	10/17/17	3798.47	--	--	--	--	--
MW-8R	10/25/17	3798.47	--	--	--	--	--
MW-8R	10/31/17	3798.47	--	--	--	--	--
MW-8R	11/28/17	3798.47	71.25		--	3727.22	88.63
MW-8R	11/30/17	3798.47	--	--	--	--	--
MW-8R	12/5/17	3798.47	--	--	--	--	--
MW-8R	12/12/17	3798.47	--	--	--	--	--
MW-8R	12/21/17	3798.47	--	--	--	--	--
MW-8R	2/26/18	3798.47	71.38		--	3727.09	88.84
MW-8R	5/29/18	3798.47	71.66		--	3726.81	88.77
MW-8R	8/27/18	3798.47	71.79		--	3726.68	88.84
MW-8R	11/26/18	3798.47	72.06		--	3726.41	88.84
MW-8R	2/26/19	3798.47	72.28		--	3726.19	
MW-8R	2/26/19	3798.47	--	--	--	--	--
MW-8R	4/30/19	3798.47	72.38		--	3726.09	
MW-8R	5/20/19	3798.47	72.51		--	3725.96	
MW-8R	6/11/19	3798.47	--	--	--	--	--
MW-8R	7/22/19	3798.47	72.68		--	3725.79	
MW-8R	7/25/19	3798.47	--	--	--	--	--
MW-8R	9/3/19	3798.47	--	--	--	--	--
MW-8R	10/21/19	3798.47	72.83		--	3725.64	
MW-8R	10/25/19	3798.47	--	--	--	--	--
MW-8R	12/11/19	3798.47	--	--	--	--	--
MW-8R	2/12/20	3798.47	73.14	-	--	3725.33	88.95
MW-8R	3/18/20	3798.47	--	--	--	--	--
MW-8R	4/8/20	3798.47	75.12	--	--	3723.35	--
MW-8R	5/1/20	3798.47	73.30	--	--	3725.17	--
MW-8R	5/12/20	3798.47	73.32	--	--	3725.15	--
MW-8R	6/19/20	3798.47	73.38	--	--	3725.09	--
MW-8R	7/29/20	3798.47	73.54	--	--	3724.93	--
MW-8R	8/24/20	3798.47	73.57	--	--	3724.90	--
MW-8R	9/14/20	3798.47	73.68	--	--	3724.79	--
MW-8R	11/2/20	3798.47	73.75	--	--	3724.72	--
MW-8R	12/11/20	3798.47	73.86	--	--	3724.61	--
MW-8R	1/26/21	3798.47	74.03	--	--	3724.44	--
MW-8R	2/9/21	3798.47	74.05	--	--	3724.42	88.77
MW-8R	3/25/21	3798.47	74.15	--	--	3724.32	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-8R	4/28/21	3798.47	74.20	--	--	3724.27	--
MW-8R	5/20/21	3798.47	74.30	--	--	3724.17	--
MW-8R	7/26/21	3798.47	74.43	--	--	3724.04	--
MW-8R	8/12/21	3798.47	74.48	--	--	3723.99	88.90
MW-8R	9/28/21	3798.47	74.60	--	--	3723.87	88.77
MW-8R	10/25/21	3798.47	74.65	--	--	3723.82	88.77
MW-8R	11/11/21	3798.47	74.70	--	--	3723.77	88.77
MW-8R	12/22/21	3798.47	74.75	--	--	3723.72	88.77
MW-8R	1/28/22	3798.47	74.92	--	--	3723.55	88.77
MW-8R	2/14/22	3798.47	74.94	--	--	3723.53	88.11
MW-8R	3/14/22	3798.47	75.06	--	--	3723.41	88.11
MW-8R	4/14/22	3798.47	75.10	--	--	3723.37	88.11
MW-8R	5/5/22	3798.47	75.13	--	--	3723.34	88.11
MW-8R	6/13/22	3798.47	75.27	--	--	3723.20	88.11
MW-8R	8/15/22	3798.47	75.41	--	--	3723.06	88.11
MW-8R	11/9/22	3798.47	75.61	--	--	3722.86	88.11
MW-9	3/3/17	3795.66	Dry	--	--	--	--
MW-9	5/30/17	3795.66	Dry	--	--	--	69.48
MW-9	8/28/17	3797.73	Dry	--	--	--	69.40
MW-9	11/28/17	3797.73	Dry	--	--	--	69.38
MW-9	2/26/18	3797.73	Dry	--	--	--	69.45
MW-9	5/29/18	3797.73	Dry	--	--	--	69.48
MW-9	8/27/18	3797.73	Dry	--	--	--	69.45
MW-9	11/26/18	3797.73	Dry	--	--	--	69.41
MW-9	2/26/19	3797.73	Dry	--	--	--	--
MW-9	5/20/19	3797.73	Dry	--	--	--	--
MW-9	7/22/19	3797.73	Dry	--	--	--	--
MW-9	10/21/19	3797.73	Dry	--	--	--	69.40
MW-9	2/19/20	P&A	--	--	--	--	--
MW-10	2/23/17	P&A	--	--	--	--	--
MW-10R	3/3/17	3797.99	--	--	--	--	--
MW-10R	5/30/17	3797.99	70.60		--	3727.39	89.31
MW-10R	6/2/17	3797.99	--	--	--	--	--
MW-10R	8/28/17	3797.99	70.85		--	3727.14	89.16
MW-10R	8/28/17	3797.99	--	--	--	--	--
MW-10R	10/17/17	3797.99	--	--	--	--	--
MW-10R	10/25/17	3797.99	--	--	--	--	--
MW-10R	11/28/17	3797.99	71.05		--	3726.94	89.15
MW-10R	11/30/17	3797.99	--	--	--	--	--
MW-10R	12/5/17	3797.99	--	--	--	--	--
MW-10R	12/12/17	3797.99	--	--	--	--	--
MW-10R	12/21/17	3797.99	--	--	--	--	--
MW-10R	2/26/18	3797.99	71.22	--	--	3726.77	89.07
MW-10R	5/29/18	3797.99	71.50	--	--	3726.49	89.30
MW-10R	8/27/18	3797.99	71.62	--	--	3726.37	89.07
MW-10R	11/26/18	3797.99	71.89	--	--	3726.10	--
MW-10R	2/26/19	3797.99	72.11	--	--	3725.88	--
MW-10R	2/26/19	3797.99	--	--	--	--	--
MW-10R	5/20/19	3797.99	72.32	--	--	3725.67	--
MW-10R	7/22/19	3797.99	72.50	--	--	3725.49	--
MW-10R	7/25/19	3797.99	--	--	--	--	--
MW-10R	9/3/19	3797.99	--	--	--	--	--
MW-10R	10/21/19	3797.99	72.70	--	--	3725.29	--
MW-10R	10/24/19	3797.99	--	--	--	--	--
MW-10R	12/11/19	3797.99	--	--	--	--	--
MW-10R	2/12/20	3797.99	72.95	--	--	3725.04	79.30
MW-10R	5/1/20	3797.99	73.12	--	--	3724.87	--
MW-10R	5/12/20	3797.99	73.15	--	--	3724.84	--
MW-10R	6/19/20	3797.99	73.21	--	--	3724.78	--
MW-10R	7/29/20	3797.99	73.35	--	--	3724.64	--
MW-10R	8/24/20	3797.99	73.41	--	--	3724.58	--
MW-10R	9/14/20	3797.99	73.47	--	--	3724.52	--
MW-10R	11/2/20	3797.99	73.57	--	--	3724.42	--
MW-10R	12/11/20	3797.99	73.66	--	--	3724.33	--
MW-10R	1/26/21	3797.99	73.82	--	--	3724.17	--
MW-10R	2/9/21	3797.99	73.84	--	--	3724.15	89.09
MW-10R	3/25/21	3797.99	73.95	--	--	3724.04	--
MW-10R	4/28/21	3797.99	74.02	--	--	3723.97	--
MW-10R	7/26/21	3797.99	74.25	--	--	3723.74	--
MW-10R	5/20/21	3797.99	74.09	--	--	3723.90	--
MW-10R	8/12/21	3797.99	74.29	--	--	3723.70	89.09
MW-10R	9/28/21	3797.99	74.39	--	--	3723.60	89.09
MW-10R	10/25/21	3797.99	74.44	--	--	3723.55	89.09
MW-10R	11/11/21	3797.99	74.49	--	--	3723.50	89.09
MW-10R	12/22/21	3797.99	74.59	--	--	3723.40	89.09
MW-10R	1/28/22	3797.99	74.71	--	--	3723.28	89.09
MW-10R	2/14/22	3797.99	74.72	--	--	3723.27	88.89
MW-10R	3/14/22	3797.99	74.82	--	--	3723.17	88.89
MW-10R	4/14/22	3797.99	75.01	--	--	3722.98	88.89
MW-10R	5/5/22	3797.99	74.93	--	--	3723.06	88.89
MW-10R	6/13/22	3797.99	75.05	--	--	3722.94	88.89

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-10R	8/15/22	3797.99	75.22	--	--	3722.77	88.89
MW-10R	11/9/22	3797.99	75.41	--	--	3722.58	88.89
MW-11	3/3/17	3796.58	Dry	--	--	--	--
MW-11	5/30/17	3796.58	Dry	--	--	--	70.30
MW-11	8/28/17	3798.67	Dry	--	--	--	70.08
MW-11	11/28/17	3798.67	Dry	--	--	--	70.07
MW-11	2/26/18	3798.67	Dry	--	--	--	70.18
MW-11	5/29/18	3798.67	Dry	--	--	--	70.20
MW-11	8/27/18	3798.67	Dry	--	--	--	70.18
MW-11	11/26/18	3798.67	Dry	--	--	--	70.15
MW-11	2/26/19	3798.67	Dry	--	--	--	--
MW-11	5/20/19	3798.67	Dry	--	--	--	--
MW-11	7/22/19	3798.67	Dry	--	--	--	--
MW-11	10/21/19	3798.67	Dry	--	--	--	70.12
MW-11	2/19/20	P&A	--	--	--	--	--
MW-11R	4/16/20	3798.21	73.66	--	--	3724.55	92.80
MW-11R	5/1/20	3798.21	73.77	--	--	3724.44	--
MW-11R	5/12/20	3798.21	73.80	--	--	3724.41	--
MW-11R	6/19/20	3798.21	73.91	--	--	3724.30	--
MW-11R	7/29/20	3798.21	74.00	--	--	3724.21	--
MW-11R	8/24/20	3798.21	74.07	--	--	3724.14	--
MW-11R	9/14/20	3798.21	74.13	--	--	3724.08	--
MW-11R	11/2/20	3798.21	74.25	--	--	3723.96	--
MW-11R	12/11/20	3798.21	74.35	--	--	3723.86	--
MW-11R	1/26/21	3798.21	74.49	--	--	3723.72	--
MW-11R	2/9/21	3798.21	74.51	--	--	3723.70	92.84
MW-11R	3/25/21	3798.21	74.63	--	--	3723.58	--
MW-11R	4/28/21	3798.21	74.69	--	--	3723.52	--
MW-11R	5/20/21	3798.21	74.75	--	--	3723.46	--
MW-11R	7/26/21	3798.21	74.92	--	--	3723.29	--
MW-11R	8/12/21	3798.21	74.97	--	--	3723.24	92.88
MW-11R	9/28/21	3798.21	75.08	--	--	3723.13	92.84
MW-11R	10/25/21	3798.21	75.11	--	--	3723.10	92.84
MW-11R	11/11/21	3798.21	75.16	--	--	3723.05	92.84
MW-11R	12/22/21	3798.21	75.26	--	--	3722.95	92.84
MW-11R	1/28/22	3798.21	75.37	--	--	3722.84	92.84
MW-11R	2/14/22	3798.21	75.39	--	--	3722.82	92.69
MW-11R	3/14/22	3798.21	75.50	--	--	3722.71	92.69
MW-11R	4/14/22	3798.21	75.62	--	--	3722.59	92.69
MW-11R	5/6/22	3798.21	75.61	--	--	3722.60	92.69
MW-11R	6/13/22	3798.21	75.74	--	--	3722.47	92.69
MW-11R	7/27/22	3798.21	75.83	--	--	3722.38	92.69
MW-11R	8/15/22	3798.21	75.89	--	--	3722.32	92.69
MW-11R	11/9/22	3798.21	76.10	--	--	3722.11	92.69
MW-12R	3/3/17	3798.00	72.56	--	--	3725.44	81.04
MW-12R	3/3/17	3798.00	--	--	--	--	--
MW-12R	5/16/17	3798.00	--	--	--	--	--
MW-12R	5/30/17	3798.00	72.75	--	--	3725.25	81.40
MW-12R	6/2/17	3798.00	--	--	--	--	--
MW-12R	7/13/17	3800.06	--	--	--	--	--
MW-12R	8/10/17	3800.06	--	--	--	--	--
MW-12R	8/28/17	3800.06	72.94	--	--	3727.12	80.27
MW-12R	8/28/17	3800.06	--	--	--	--	--
MW-12R	9/6/17	3800.06	--	--	--	--	--
MW-12R	9/13/17	3800.06	--	--	--	--	--
MW-12R	9/20/17	3800.06	--	--	--	--	--
MW-12R	10/17/17	3800.06	--	--	--	--	--
MW-12R	10/25/17	3800.06	--	--	--	--	--
MW-12R	10/31/17	3800.06	--	--	--	--	--
MW-12R	11/28/17	3800.06	73.14	--	--	3726.92	79.80
MW-12R	11/30/17	3800.06	--	--	--	--	--
MW-12R	12/5/17	3800.06	--	--	--	--	--
MW-12R	12/12/17	3800.06	--	--	--	--	--
MW-12R	12/21/17	3800.06	--	--	--	--	--
MW-12R	2/26/18	3800.06	73.32	--	--	3726.74	79.79
MW-12R	5/29/18	3800.06	73.60	--	--	3726.46	79.60
MW-12R	8/27/18	3800.06	73.73	--	--	3726.33	79.79
MW-12R	11/26/18	3800.06	73.98	--	--	3726.08	
MW-12R	2/26/19	3800.06	74.20	--	--	3725.86	
MW-12R	2/26/19	3800.06	--	--	--	--	--
MW-12R	5/20/19	3800.06	74.40	--	--	3725.66	
MW-12R	7/22/19	3800.06	74.60	--	--	3725.46	
MW-12R	7/25/19	3800.06	--	--	--	--	--
MW-12R	10/21/19	3800.06	74.85	--	--	3725.21	
MW-12R	10/25/19	3800.06	--	--	--	--	--
MW-12R	2/12/20	3800.06	75.09	--	--	3724.97	80.11
MW-12R	5/1/20	3800.06	75.22	--	--	3724.84	--
MW-12R	5/12/20	3800.06	75.24	--	--	3724.82	--
MW-12R	6/19/20	3800.06	75.32	--	--	3724.74	--
MW-12R	7/29/20	3800.06	75.44	--	--	3724.62	--
MW-12R	8/24/20	3800.06	75.50	--	--	3724.56	--

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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-12R	9/14/20	3800.06	75.55	--	--	3724.51	--
MW-12R	11/2/20	3800.06	75.72	--	--	3724.34	--
MW-12R	12/11/20	3800.06	75.78	--	--	3724.28	--
MW-12R	1/26/21	3800.06	75.93	--	--	3724.13	--
MW-12R	2/9/21	3800.06	75.96	--	--	3724.10	79.56
MW-12R	3/25/21	3800.06	76.08	--	--	3723.98	--
MW-12R	4/28/21	3800.06	74.38	--	--	3725.68	--
MW-12R	5/20/21	3800.06	76.21	--	--	3723.85	--
MW-12R	7/26/21	3800.06	76.39	--	--	3723.67	79.42
MW-12R	8/12/21	3800.06	76.44	--	--	3723.62	79.48
MW-12R	9/28/21	3800.06	76.55	--	--	3723.51	79.56
MW-12R	10/25/21	3800.06	76.58	--	--	3723.48	79.56
MW-12R	11/11/21	3800.06	76.63	--	--	3723.43	79.56
MW-12R	12/22/21	3800.06	76.73	--	--	3723.33	79.56
MW-12R	1/28/22	3800.06	76.85	--	--	3723.21	79.56
MW-12R	2/14/22	3800.06	76.86	--	--	3723.20	79.35
MW-12R	3/14/22	3800.06	76.94	--	--	3723.12	79.35
MW-12R	4/14/22	3800.06	77.22	--	--	3722.84	79.35
MW-12R	5/5/22	3800.06	77.08	--	--	3722.98	79.35
MW-12R	6/13/22	3800.06	77.20	--	--	3722.86	79.35
MW-12R	7/27/22	3800.06	77.24	--	--	3722.82	79.35
MW-12R	8/15/22	3800.06	77.35	--	--	3722.71	79.35
MW-12R	11/9/22	3800.06	77.56	--	--	3722.50	79.35
MW-13	3/3/17	3799.65	Dry	--	--	--	--
MW-13	5/30/17	3799.65	Dry	--	--	--	--
MW-13	8/28/17	3801.72	Dry	--	--	--	69.68
MW-13	11/28/17	3801.72	69.66	--	--	3732.06	69.67
MW-13	2/26/18	3801.72	Dry	--	--	--	69.75
MW-13	5/29/18	3801.72	Dry	--	--	--	69.78
MW-13	8/27/18	3801.72	Dry	--	--	--	69.75
MW-13	11/26/18	3801.72	Dry	--	--	--	69.75
MW-13	2/26/19	3801.72	Dry	--	--	--	--
MW-13	5/20/19	3801.72	Dry	--	--	--	--
MW-13	7/22/19	3801.72	Dry	--	--	--	--
MW-13	10/21/19	3801.72	Dry	--	--	--	69.72
MW-13	2/19/20	P&A	--	--	--	--	--
MW-13R	4/16/20	3800.21	75.56	--	--	3724.65	92.70
MW-13R	5/1/20	3800.21	75.68	--	--	3724.53	--
MW-13R	5/12/20	3800.21	75.70	--	--	3724.51	--
MW-13R	6/19/20	3800.21	75.82	--	--	3724.39	--
MW-13R	7/29/20	3800.21	75.90	--	--	3724.31	--
MW-13R	8/24/20	3800.21	75.98	--	--	3724.23	--
MW-13R	9/14/20	3800.21	76.04	--	--	3724.17	--
MW-13R	11/2/20	3800.21	75.15	--	--	3725.06	--
MW-13R	12/11/20	3800.21	76.26	--	--	3723.95	--
MW-13R	1/26/21	3800.21	76.41	--	--	3723.80	--
MW-13R	2/9/21	3800.21	76.45	--	--	3723.76	92.50
MW-13R	3/25/21	3800.21	76.55	--	--	3723.66	--
MW-13R	4/28/21	3800.21	76.62	--	--	3723.59	--
MW-13R	5/20/21	3800.21	76.67	--	--	3723.54	--
MW-13R	7/26/21	3800.21	76.82	--	--	3723.39	--
MW-13R	8/12/21	3800.21	76.87	--	--	3723.34	92.52
MW-13R	9/28/21	3800.21	76.98	--	--	3723.23	92.50
MW-13R	10/25/21	3800.21	77.01	--	--	3723.20	92.50
MW-13R	11/11/21	3800.21	77.08	--	--	3723.13	92.50
MW-13R	12/22/21	3800.21	77.14	--	--	3723.07	92.50
MW-13R	1/28/22	3800.21	77.26	--	--	3722.95	92.50
MW-13R	2/14/22	3800.21	77.32	--	--	3722.89	92.59
MW-13R	3/14/22	3800.21	77.41	--	--	3722.80	92.59
MW-13R	4/14/22	3800.21	77.54	--	--	3722.67	92.59
MW-13R	5/6/22	3800.21	77.53	--	--	3722.68	92.59
MW-13R	6/13/22	3800.21	77.65	--	--	3722.56	92.59
MW-13R	7/27/22	3800.21	77.74	--	--	3722.47	92.59
MW-13R	8/15/22	3800.21	77.81	--	--	3722.40	92.59
MW-13R	11/9/22	3800.21	77.93	--	--	3722.28	92.59
MW-14	3/3/17	3796.10	70.68	--	--	3725.42	72.63
MW-14	3/3/17	3796.10	--	--	--	--	--
MW-14	5/30/17	3796.10	70.90	--	--	3725.20	73.01
MW-14	6/2/17	3796.10	--	--	--	--	--
MW-14	8/28/17	3798.18	71.10	--	--	3727.08	72.89
MW-14	8/28/17	3798.18	--	--	--	--	--
MW-14	11/28/17	3798.18	71.30	--	--	3726.88	72.90
MW-14	11/30/17	3798.18	--	--	--	--	--
MW-14	2/26/18	3798.18	71.45	--	--	3726.73	73.03
MW-14	5/29/18	3798.18	71.72	--	--	3726.46	72.91
MW-14	8/27/18	3798.18	71.82	--	--	3726.36	73.03
MW-14	11/26/18	3798.18	72.10	--	--	3726.08	73.08
MW-14	2/26/19	3798.18	72.28	--	--	3725.90	--
MW-14	2/26/19	3798.18	--	--	--	--	--
MW-14	5/20/19	3798.18	72.51	--	--	3725.67	--
MW-14	7/22/19	3798.18	72.65	--	--	3725.53	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	10/21/19	3798.18	72.91	--	--	3725.27	73.08
MW-14	10/25/19	3798.18	--	--	--	--	--
MW-14	2/12/20	3798.18	72.94	--	--	3725.24	73.15
MW-14	5/1/20	3798.18	Dry	--	--	--	--
MW-14	5/12/20	3798.18	Dry	--	--	--	--
MW-14	6/19/20	3798.18	Dry	--	--	--	--
MW-14	7/29/20	3798.18	Dry	--	--	--	73.04
MW-14	8/24/20	3798.18	Dry	--	--	--	72.97
MW-14	9/14/20	3798.18	73.00	--	--	3725.18	-
MW-14	11/2/20	3798.18	Dry	--	--	--	72.99
MW-14	12/11/20	3798.18	Dry	--	--	--	73.00
MW-14	1/26/21	3798.18	Dry	--	--	--	72.98
MW-14	2/9/21	3798.18	Dry	--	--	--	73.10
MW-14	3/25/21	3798.18	Dry	--	--	--	72.98
MW-14	4/28/21	3798.18	Dry	--	--	--	73.05
MW-14	5/20/21	3798.18	Dry	--	--	--	72.96
MW-14	7/26/21	3798.18	Dry	--	--	--	72.48
MW-14	8/12/21	3798.18	Dry	--	--	--	73.03
MW-14	9/28/21	3798.18	Dry	--	--	--	73.10
MW-14	10/25/21	3798.18	Dry	--	--	--	73.10
MW-14	10/25/21	3798.18	Dry	--	--	--	73.10
MW-14	11/11/21	3798.18	Dry	--	--	--	73.10
MW-14	12/22/21	3798.18	Dry	--	--	--	73.10
MW-14	1/28/22	3798.18	Dry	--	--	--	73.10
MW-14	2/14/22	3798.18	Dry	--	--	--	72.98
MW-14	3/14/22	3798.18	Dry	--	--	--	72.98
MW-14	4/14/22	3798.18	Dry	--	--	--	72.98
MW-14	5/5/22	3798.18	Dry	--	--	--	72.98
MW-14	6/13/22	3798.18	Dry	--	--	--	72.98
MW-14	7/27/22	3798.18	Dry	--	--	--	72.98
MW-14	8/15/22	3798.18	Dry	--	--	--	72.98
MW-14	11/9/22	3798.18	Dry	--	--	--	72.98
MW-15	3/3/17	3795.96	70.63	--	--	3725.33	73.07
MW-15	3/3/17	3795.96	--	--	--	--	--
MW-15	5/30/17	3795.96	70.80	--	--	3725.16	73.61
MW-15	6/2/17	3795.96	--	--	--	--	--
MW-15	8/28/17	3798.04	71.03	--	--	3727.01	73.45
MW-15	8/28/17	3798.04	--	--	--	--	--
MW-15	11/28/17	3798.04	71.27	--	--	3726.77	73.48
MW-15	11/30/17	3798.04	--	--	--	--	--
MW-15	2/26/18	3798.04	71.38	--	--	3726.66	73.68
MW-15	5/29/18	3798.04	71.65	--	--	3726.39	73.50
MW-15	8/27/18	3798.04	71.76	--	--	3726.28	73.68
MW-15	11/26/18	3798.04	72.03	--	--	3726.01	73.68
MW-15	2/26/19	3798.04	72.23	--	--	3725.81	--
MW-15	2/26/19	3798.04	--	--	--	--	--
MW-15	5/20/19	3798.04	72.50	--	--	3725.54	--
MW-15	7/22/19	3798.04	72.66	--	--	3725.38	--
MW-15	10/21/19	3798.04	72.90	--	--	3725.14	--
MW-15	10/24/19	3798.04	--	--	--	--	--
MW-15	2/12/20	3798.04	73.11	--	--	3724.93	74.45
MW-15	5/1/20	3798.04	73.44	--	--	3724.60	--
MW-15	5/12/20	3798.04	73.28	--	--	3724.76	--
MW-15	6/19/20	3798.04	73.38	--	--	3724.66	--
MW-15	7/29/20	3798.04	73.46	--	--	3724.58	--
MW-15	8/24/20	3798.04	73.52	--	--	3724.52	--
MW-15	9/14/20	3798.04	73.59	--	--	3724.45	--
MW-15	11/2/20	3798.04	Dry	--	--	--	73.65
MW-15	12/11/20	3798.04	Dry	--	--	--	73.67
MW-15	1/26/21	3798.04	Dry	--	--	--	73.62
MW-15	2/9/21	3798.04	Dry	--	--	--	73.70
MW-15	3/25/21	3798.04	Dry	--	--	--	73.63
MW-15	4/28/21	3798.04	Dry	--	--	--	73.70
MW-15	5/20/21	3798.04	Dry	--	--	--	73.62
MW-15	7/26/21	3798.04	Dry	--	--	--	73.62
MW-15	8/12/21	3798.04	Dry	--	--	--	73.70
MW-15	9/28/21	3798.04	Dry	--	--	--	73.70
MW-15	10/25/21	3798.04	Dry	--	--	--	73.70
MW-15	11/11/21	3798.04	Dry	--	--	--	73.70
MW-15	12/22/21	3798.04	Dry	--	--	--	73.70
MW-15	1/28/22	3798.04	Dry	--	--	--	73.70
MW-15	2/14/22	3798.04	Dry	--	--	--	73.60
MW-15	3/14/22	3798.04	Dry	--	--	--	73.60
MW-15	4/14/22	3798.04	Dry	--	--	--	73.60
MW-15	5/5/22	3798.04	Dry	--	--	--	73.60
MW-15	6/13/22	3798.04	Dry	--	--	--	73.60
MW-15	7/27/22	3798.04	Dry	--	--	--	73.60
MW-15	8/15/22	3798.04	Dry	--	--	--	73.60
MW-15	11/9/22	3798.04	Dry	--	--	--	73.60
MW-16	3/3/17	3795.93	70.00	--	--	3725.93	73.39
MW-16	3/3/17	3795.93	--	--	--	--	--
MW-16	5/30/17	3795.93	70.15	--	--	3725.78	73.98

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-16	6/2/17	3795.93	--	--	--	--	--
MW-16	8/28/17	3798.01	70.40	--	--	3727.61	73.81
MW-16	8/28/17	3798.01	--	--	--	--	--
MW-16	11/28/17	3798.01	70.61	--	--	3727.40	73.80
MW-16	11/30/17	3798.01	--	--	--	--	--
MW-16	2/26/18	3798.01	70.75	--	--	3727.26	73.94
MW-16	5/29/18	3798.01	71.01	--	--	3727.00	73.80
MW-16	8/27/18	3798.01	71.16	--	--	3726.85	73.94
MW-16	11/26/18	3798.01	71.40	--	--	3726.61	73.94
MW-16	2/26/19	3798.01	71.63	--	--	3726.38	--
MW-16	2/26/19	3798.01	--	--	--	--	--
MW-16	5/20/19	3798.01	72.10	--	--	3725.91	--
MW-16	7/22/19	3798.01	72.01	--	--	3726.00	--
MW-16	10/21/19	3798.01	72.30	--	--	3725.71	--
MW-16	2/12/20	3798.01	72.48	--	--	3725.53	74.66
MW-16	5/1/20	3798.01	72.70	--	--	3725.31	--
MW-16	5/12/20	3798.01	72.68	--	--	3725.33	--
MW-16	6/19/20	3798.01	72.83	--	--	3725.18	--
MW-16	7/29/20	3798.01	72.88	--	--	3725.13	--
MW-16	8/24/20	3798.01	72.95	--	--	3725.06	--
MW-16	9/14/20	3798.01	73.00	--	--	3725.01	--
MW-16	11/2/20	3798.01	73.14	--	--	3724.87	--
MW-16	12/11/20	3798.01	73.23	--	--	3724.78	--
MW-16	1/26/21	3798.01	73.38	--	--	3724.63	--
MW-16	2/9/21	3798.01	73.40	--	--	3724.61	73.97
MW-16	3/25/21	3798.01	73.52	--	--	3724.49	--
MW-16	4/28/21	3798.01	73.57	--	--	3724.44	--
MW-16	5/20/21	3798.01	73.62	--	--	3724.39	--
MW-16	7/26/21	3798.01	73.76	--	--	3724.25	73.90
MW-16	8/12/21	3798.01	73.85	--	--	3724.16	73.90
MW-16	9/28/21	3798.01	Dry	--	--	--	73.97
MW-16	10/25/21	3798.01	Dry	--	--	--	73.97
MW-16	11/11/21	3798.01	Dry	--	--	--	73.97
MW-16	12/22/21	3798.01	Dry	--	--	--	73.97
MW-16	1/28/22	3798.01	Dry	--	--	--	73.97
MW-16	2/14/22	3798.01	Dry	--	--	--	73.88
MW-16	3/14/22	3798.01	Dry	--	--	--	73.88
MW-16	4/14/22	3798.01	Dry	--	--	--	73.88
MW-16	5/5/22	3798.01	Dry	--	--	--	73.88
MW-16	6/13/22	3798.01	Dry	--	--	--	73.88
MW-16	7/27/22	3798.01	Dry	--	--	--	73.88
MW-16	8/15/22	3798.01	Dry	--	--	--	73.88
MW-16	11/9/22	3798.01	Dry	--	--	--	73.88
MW-17	3/3/17	3800.10	--	--	--	--	--
MW-17	5/2/17	3800.10	--	--	--	--	--
MW-17	5/16/17	3800.10	--	--	--	--	--
MW-17	5/30/17	3800.10	72.70		--	3727.40	91.80
MW-17	6/2/17	3800.10	--	--	--	--	--
MW-17	6/14/17	3800.10	--	--	--	--	--
MW-17	6/27/17	3800.10	--	--	--	--	--
MW-17	8/2/17	3800.10	--	--	--	--	--
MW-17	8/10/17	3800.10	--	--	--	--	--
MW-17	8/28/17	3800.10	72.90		--	3727.20	91.28
MW-17	8/28/17	3800.10	--	--	--	--	--
MW-17	9/6/17	3800.10	--	--	--	--	--
MW-17	9/13/17	3800.10	--	--	--	--	--
MW-17	9/20/17	3800.10	--	--	--	--	--
MW-17	10/17/17	3800.10	--	--	--	--	--
MW-17	10/25/17	3800.10	--	--	--	--	--
MW-17	10/31/17	3800.10	--	--	--	--	--
MW-17	11/28/17	3800.10	73.09		--	3727.01	91.08
MW-17	11/30/17	3800.10	--	--	--	--	--
MW-17	12/5/17	3800.10	--	--	--	--	--
MW-17	12/12/17	3800.10	--	--	--	--	--
MW-17	12/21/17	3800.10	--	--	--	--	--
MW-17	2/26/18	3800.10	73.23	--	--	3726.87	91.25
MW-17	5/29/18	3800.10	73.55	--	--	3726.55	91.10
MW-17	8/27/18	3800.10	73.63	--	--	3726.47	91.25
MW-17	11/26/18	3800.10	73.91	--	--	3726.19	91.25
MW-17	2/26/19	3800.10	74.13	--	--	3725.97	--
MW-17	2/26/19	3800.10	--	--	--	--	--
MW-17	5/20/19	3800.10	74.38	--	--	3725.72	--
MW-17	7/22/19	3800.10	74.51	--	--	3725.59	--
MW-17	7/25/19	3800.10	--	--	--	--	--
MW-17	9/3/19	3800.10	--	--	--	--	--
MW-17	10/21/19	3800.10	74.75	--	--	3725.35	
MW-17	10/25/19	3800.10	--	--	--	--	--
MW-17	12/11/19	3800.10	--	--	--	--	--
MW-17	2/12/20	3800.10	75.00	--	--	3725.10	91.01
MW-17	4/8/20	3800.10	73.25	--	--	3726.85	--
MW-17	5/1/20	3800.10	75.18	--	--	3724.92	--

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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	5/12/20	3800.10	75.19	--	--	3724.91	--
MW-17	6/19/20	3800.10	75.27	--	--	3724.83	--
MW-17	7/29/20	3800.10	75.40	--	--	3724.70	--
MW-17	8/24/20	3800.10	75.45	--	--	3724.65	--
MW-17	9/14/20	3800.10	75.51	--	--	3724.59	--
MW-17	11/2/20	3800.10	75.66	--	--	3724.44	--
MW-17	12/11/20	3800.10	75.73	--	--	3724.37	--
MW-17	1/26/21	3800.10	75.90	--	--	3724.20	--
MW-17	2/9/21	3800.10	75.92	--	--	3724.18	91.17
MW-17	3/25/21	3800.10	76.06	--	--	3724.04	--
MW-17	4/28/21	3800.10	76.08	--	--	3724.02	--
MW-17	5/20/21	3800.10	76.18	--	--	3723.92	--
MW-17	7/26/21	3800.10	76.33	--	--	3723.77	--
MW-17	8/12/21	3800.10	76.38	--	--	3723.72	91.20
MW-17	9/28/21	3800.10	76.50	--	--	3723.60	91.17
MW-17	10/25/21	3800.10	76.53	--	--	3723.57	91.17
MW-17	11/11/21	3800.10	76.58	--	--	3723.52	91.17
MW-17	12/22/21	3800.10	76.68	--	--	3723.42	91.17
MW-17	1/28/22	3800.10	76.82	--	--	3723.28	91.17
MW-17	2/14/22	3800.10	76.84	--	--	3723.26	90.78
MW-17	3/14/22	3800.10	76.96	--	--	3723.14	90.78
MW-17	4/14/22	3800.10	77.12	--	--	3722.98	90.78
MW-17	5/5/22	3800.10	77.04	--	--	3723.06	90.78
MW-17	6/13/22	3800.10	77.19	--	--	3722.91	90.78
MW-17	7/27/22	3800.10	77.26	--	--	3722.84	90.78
MW-17	8/15/22	3800.10	77.34	--	--	3722.76	90.78
MW-17	11/9/22	3800.10	77.52	--	--	3722.58	90.78
MW-18	4/16/20	3799.94	74.68	--	--	3725.26	92.81
MW-18	5/1/20	3799.94	75.57	--	--	3724.37	--
MW-18	5/12/20	3799.94	75.60	--	--	3724.34	--
MW-18	6/19/20	3799.94	75.72	--	--	3724.22	--
MW-18	7/29/20	3799.94	75.82	--	--	3724.12	--
MW-18	8/24/20	3799.94	75.87	--	--	3724.07	--
MW-18	9/14/20	3799.94	75.94	--	--	3724.00	--
MW-18	11/2/20	3799.94	76.05	--	--	3723.89	--
MW-18	12/11/20	3799.94	76.15	--	--	3723.79	--
MW-18	1/26/21	3799.94	76.30	--	--	3723.64	--
MW-18	2/9/21	3799.94	76.32	--	--	3723.62	92.88
MW-18	3/25/21	3799.94	76.43	--	--	3723.51	--
MW-18	4/28/21	3799.94	76.49	--	--	3723.45	--
MW-18	5/20/21	3799.94	76.56	--	--	3723.38	--
MW-18	7/26/21	3799.94	76.73	--	--	3723.21	--
MW-18	8/12/21	3799.94	76.79	--	--	3723.15	92.87
MW-18	9/28/21	3799.94	76.88	--	--	3723.06	92.88
MW-18	10/25/21	3799.94	76.84	--	--	3723.10	92.88
MW-18	11/11/21	3799.94	76.99	--	--	3722.95	92.88
MW-18	12/22/21	3799.94	77.08	--	--	3722.86	92.88
MW-18	1/28/22	3799.94	77.20	--	--	3722.74	92.88
MW-18	2/14/22	3799.94	77.23	--	--	3722.71	92.75
MW-18	3/14/22	3799.94	77.31	--	--	3722.63	92.75
MW-18	4/14/22	3799.94	77.43	--	--	3722.51	92.75
MW-18	5/6/22	3799.94	77.43	--	--	3722.51	92.75
MW-18	6/13/22	3799.94	77.55	--	--	3722.39	92.75
MW-18	7/27/22	3799.94	77.64	--	--	3722.30	92.75
MW-18	8/15/22	3799.94	77.71	--	--	3722.23	92.75
MW-18	11/9/22	3799.94	77.93	--	--	3722.01	92.75
RW-1	3/3/17	3797.66	Dry	--	--	--	--
RW-1	5/30/17	3797.66	Dry	--	--	--	71.30
RW-1	8/28/17	3799.90	Dry	--	--	--	71.00
RW-1	11/29/17	3799.90	Dry	--	--	--	71.10
RW-1	2/26/18	3799.90	Dry	--	--	--	71.04
RW-1	5/29/18	3799.90	Dry	--	--	--	71.01
RW-1	8/27/18	3799.90	Dry	--	--	--	71.04
RW-1	11/26/18	3799.90	Dry	--	--	--	71.05
RW-1	2/26/19	3799.90	Dry	--	--	--	--
RW-1	5/20/19	3799.90	Dry	--	--	--	--
RW-1	7/22/19	3799.90	Dry	--	--	--	--
RW-1	10/21/19	3799.90	Dry			Dry	71.05
RW-1	2/19/20	P&A	--	--	--	--	--
RW-2	1/5/17	3797.60	--	--	--	--	--
RW-2	1/18/17	3797.60	--	--	--	--	--
RW-2	2/14/17	3797.60	--	--	--	--	--
RW-2	3/3/17	3797.60	LNAPL	71.51	0.24	NA	71.75
RW-2	4/3/17	3797.60	--	--	--	--	--
RW-2	5/2/17	3797.60	--	--	--	--	--
RW-2	5/10/17	3797.60	--	--	--	--	--
RW-2	5/30/17	3797.60	71.75	71.61	0.14	3725.96	
RW-2	8/28/17	3799.67	Dry	--	--	--	71.80
RW-2	11/28/17	3799.67	Dry	--	--	--	71.78
RW-2	2/26/18	3799.67	Dry	--	--	--	71.77
RW-2	5/29/18	3799.67	Dry	--	--	--	71.75

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-2	8/27/18	3799.67	Dry	--	--	--	71.92
RW-2	11/26/18	3799.67	Dry	--	--	--	71.89
RW-2	2/26/19	3799.67	Dry	--	--	--	--
RW-2	5/20/19	3799.67	Dry	--	--	--	--
RW-2	7/22/19	3799.67	Dry	--	--	--	--
RW-2	10/21/19	3799.67	Dry	--	--	--	71.85
RW-2	2/19/20	P&A	--	--	--	--	--
RW-3R	3/3/17	3798.02	75.30	71.71	3.59	3725.63	--
RW-3R	5/3/17	3798.02	--	--	--	--	--
RW-3R	5/30/17	3798.02	73.21	72.43	0.78	3725.44	--
RW-3R	6/5/17	3798.02	--	--	--	--	--
RW-3R	8/28/17	3800.09	73.15	72.67	0.48	3727.33	--
RW-3R	11/29/17	3800.09	74.46	72.62	1.84	3727.12	--
RW-3R	2/26/18	3800.09	75.13	72.66	2.47	3726.96	83.94
RW-3R	5/29/18	3800.09	74.45	73.10	1.35	3726.73	83.71
RW-3R	8/27/18	3800.09	75.08	73.19	1.89	3726.54	83.94
RW-3R	11/26/18	3800.09	76.63	73.19	3.44	3726.25	83.94
RW-3R	2/20/19	3800.09	--	--	--	--	--
RW-3R	2/26/19	3800.09	74.65	73.88	0.77	3726.06	--
RW-3R	5/20/19	3800.09	74.73	74.10	0.63	3725.87	--
RW-3R	7/22/19	3800.09	74.83	74.25	0.58	3725.73	--
RW-3R	9/3/19	3800.09	--	--	--	--	--
RW-3R	10/21/19	3800.09	77.90	74.00	3.90	3725.35	--
RW-3R	12/11/19	3800.09	--	--	--	--	--
RW-3R	12/18/19	3800.09	--	--	--	--	--
RW-3R	12/23/19	3800.09	--	--	--	--	--
RW-3R	1/8/20	3800.09	--	--	--	--	--
RW-3R	1/29/20	3800.09	--	--	--	--	--
RW-3R	2/11/20	3800.09	76.27	74.59	1.68	3725.18	84.17
RW-3R	2/25/20	3800.09	--	--	--	--	--
RW-3R	5/1/20	3800.09	--	--	--	--	--
RW-3R	5/12/20	3800.09	75.68	74.95	0.73	3725.00	--
RW-3R	6/19/20	3800.09	--	--	--	--	--
RW-3R	7/29/20	3800.09	--	--	--	--	--
RW-3R	8/24/20	3800.09	--	--	--	--	--
RW-3R	9/14/20	3800.09	76.03	75.27	0.76	3724.68	--
RW-3R	11/2/20	3800.09	77.92	75.00	2.92	3724.54	--
RW-3R	12/11/20	3800.09	--	--	--	--	--
RW-3R	1/26/21	3800.09	--	--	--	--	--
RW-3R	2/9/21	3800.09	78.42	75.20	3.22	3724.28	83.85
RW-3R	3/25/21	3800.09	--	--	--	--	--
RW-3R	4/28/21	3800.09	--	--	--	--	--
RW-3R	5/20/21	3800.09	76.62	75.91	0.71	3724.05	--
RW-3R	7/26/21	3800.09	76.26	76.18	0.08	3723.89	--
RW-3R	8/12/21	3800.09	76.56	76.21	0.35	3723.81	--
RW-3R	9/28/21	3800.09	76.65	76.12	0.53	3723.87	83.85
RW-3R	10/25/21	3800.09	76.71	76.38	0.33	3723.65	83.85
RW-3R	11/11/21	3800.09	76.73	76.39	0.34	3723.64	83.85
RW-3R	12/22/21	3800.09	76.89	76.53	0.36	3723.49	83.85
RW-3R	1/28/22	3800.09	77.01	76.66	0.35	3723.36	83.85
RW-3R	2/14/22	3800.09	79.48	76.13	3.35	3723.32	83.76
RW-3R	3/7/22	3800.09	79.70	76.16	3.54	3723.26	83.76
RW-3R	3/7/22	3800.09	77.12	76.71	0.41	3723.30	83.76
RW-3R	3/14/22	3800.09	77.82	76.63	1.19	3723.23	83.76
RW-3R	3/21/22	3800.09	78.10	76.54	1.56	3723.25	83.76
RW-3R	3/21/22	3800.09	77.35	76.85	0.50	3723.15	83.76
RW-3R	3/28/22	3800.09	77.67	76.65	1.02	3723.25	83.76
RW-3R	3/28/22	3800.09	77.33	77.10	0.23	3722.95	83.76
RW-3R	4/4/22	3800.09	77.59	76.70	0.89	3723.22	83.76
RW-3R	4/14/22	3800.09	77.89	76.72	1.17	3723.15	83.76
RW-3R	4/18/22	3800.09	77.59	76.70	0.89	3723.22	83.76
RW-3R	4/25/22	3800.09	78.14	76.66	1.48	3723.15	83.76
RW-3R	4/25/22	3800.09	77.31	76.96	0.35	3723.06	83.76
RW-3R	5/5/22	3800.09	77.66	76.76	0.90	3723.16	83.76
RW-3R	5/9/22	3800.09	77.66	76.76	0.90	3723.16	83.76
RW-3R	6/3/22	3800.09	77.36	76.73	0.63	3723.24	83.76
RW-3R	6/13/22	3800.09	77.66	76.92	0.74	3723.03	83.76
RW-3R	7/27/22	3800.09	78.69	76.81	1.88	3722.92	83.76
RW-3R	8/23/22	3800.09	79.22	76.80	2.42	3722.83	83.76
RW-3R	9/30/22	3800.09	79.71	76.77	2.94	3722.76	83.76
RW-3R	9/30/22	3800.09	78.67	78.56	0.11	3721.51	83.76
RW-3R	11/9/22	3800.09	78.85	77.17	1.68	3722.60	83.76
RW-3R	12/15/22	3800.09	79.45	77.12	2.33	3722.53	83.76
RW-3R	12/15/22	3800.09	78.56	78.54	0.02	3721.55	83.76
RW-4R	1/5/17	3797.61	--	--	--	--	--
RW-4R	2/14/17	3797.61	--	--	--	--	--
RW-4R	3/3/17	3797.61	72.24	71.68	0.56	3725.82	--
RW-4R	4/3/17	3797.61	--	--	--	--	--
RW-4R	5/10/17	3797.61	--	--	--	--	--
RW-4R	5/16/17	3797.61	--	--	--	--	--
RW-4R	5/30/17	3797.61	72.22	71.88	0.34	3725.67	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-4R	6/5/17	3797.61	--	--	--	--	--
RW-4R	6/14/17	3797.61	--	--	--	--	--
RW-4R	6/27/17	3797.61	--	--	--	--	--
RW-4R	7/6/17	3799.68	--	--	--	--	--
RW-4R	7/13/17	3799.68	--	--	--	--	--
RW-4R	8/2/17	3799.68	--	--	--	--	--
RW-4R	8/10/17	3799.68	--	--	--	--	--
RW-4R	8/28/17	3799.68	72.53	72.16	0.37	3727.45	85.00
RW-4R	9/6/17	3799.68	--	--	--	--	--
RW-4R	9/13/17	3799.68	--	--	--	--	--
RW-4R	9/20/17	3799.68	--	--	--	--	--
RW-4R	10/12/17	3799.68	--	--	--	--	--
RW-4R	10/17/17	3799.68	--	--	--	--	--
RW-4R	10/25/17	3799.68	--	--	--	--	--
RW-4R	10/31/17	3799.68	--	--	--	--	--
RW-4R	11/22/17	3799.68	--	--	--	--	--
RW-4R	11/28/17	3799.68	72.49	72.39	0.10	3727.27	--
RW-4R	11/30/17	3799.68	--	--	--	--	--
RW-4R	12/5/17	3799.68	--	--	--	--	--
RW-4R	12/12/17	3799.68	--	--	--	--	--
RW-4R	12/21/17	3799.68	--	--	--	--	--
RW-4R	2/26/18	3799.68	72.93	72.48	0.45	3727.11	84.64
RW-4R	5/29/18	3799.68	73.11	72.73	0.38	3726.88	--
RW-4R	8/27/18	3799.68	73.80	72.77	1.03	3726.71	84.69
RW-4R	11/14/18	3799.68	73.90	73.08	0.82	3726.44	--
RW-4R	11/26/18	3799.68	73.40	73.17	0.23	3726.47	84.69
RW-4R	12/5/18	3799.68	73.55	73.18	0.37	3726.43	--
RW-4R	2/26/19	3799.68	74.08	73.27	0.81	3726.26	--
RW-4R	3/27/19	3799.68	--	--	--	--	--
RW-4R	4/17/19	3799.68	74.08	73.41	0.67	3726.14	--
RW-4R	4/30/19	3799.68	73.81	73.48	0.33	3726.14	--
RW-4R	5/15/19	3799.68	74.14	73.51	0.63	3726.05	--
RW-4R	5/15/19	3799.68	--	--	--	--	--
RW-4R	5/20/19	3799.68	73.68	73.60	0.08	3726.06	--
RW-4R	6/12/19	3799.68	74.29	73.57	0.72	3725.97	--
RW-4R	6/25/19	3799.68	--	--	--	--	--
RW-4R	7/17/19	3799.68	74.26	73.65	0.61	3725.91	--
RW-4R	7/22/19	3799.68	73.82	73.75	0.07	3725.92	--
RW-4R	7/30/19	3799.68	73.97	73.71	0.26	3725.92	--
RW-4R	8/20/19	3799.68	74.36	73.73	0.63	3725.83	--
RW-4R	9/3/19	3799.68	--	--	--	--	--
RW-4R	9/10/19	3799.68	74.15	73.86	0.29	3725.76	--
RW-4R	10/16/19	3799.68	74.34	73.92	0.42	3725.68	--
RW-4R	10/21/19	3799.68	74.05	74.00	0.05	3725.67	--
RW-4R	11/19/19	3799.68	74.34	74.02	0.32	3725.60	--
RW-4R	12/4/19	3799.68	74.20	74.11	0.09	3725.55	--
RW-4R	12/18/19	3799.68	--	--	--	--	--
RW-4R	1/8/20	3799.68	--	--	--	--	--
RW-4R	1/14/20	3799.68	74.39	74.19	0.20	3725.45	--
RW-4R	2/11/20	3799.68	74.35	74.26	0.09	3725.40	84.61
RW-4R	2/18/20	3799.68	74.40	74.29	0.11	3725.37	--
RW-4R	2/25/20	3799.68	--	--	--	--	--
RW-4R	3/11/20	3799.68	74.40	74.32	0.08	3725.34	--
RW-4R	5/1/20	3799.68	74.60	74.45	0.15	3725.20	--
RW-4R	5/12/20	3799.68	74.59	74.43	0.16	3725.22	--
RW-4R	6/19/20	3799.68	74.76	74.49	0.27	3725.14	--
RW-4R	7/29/20	3799.68	74.95	74.60	0.35	3725.01	--
RW-4R	8/24/20	3799.68	75.09	74.65	0.44	3724.95	--
RW-4R	9/14/20	3799.68	75.19	74.71	0.48	3724.88	--
RW-4R	11/2/20	3799.68	75.35	74.80	0.55	3724.78	--
RW-4R	12/11/20	3799.68	75.51	74.90	0.61	3724.66	--
RW-4R	1/26/21	3799.68	75.65	75.05	0.60	3724.52	--
RW-4R	2/9/21	3799.68	75.68	75.08	0.60	3724.49	84.65
RW-4R	3/25/21	3799.68	75.80	75.21	0.59	3724.36	--
RW-4R	4/28/21	3799.68	75.87	75.27	0.60	3724.30	--
RW-4R	5/20/21	3799.68	75.94	75.35	0.59	3724.22	--
RW-4R	7/26/21	3799.68	76.09	75.49	0.60	3724.08	--
RW-4R	8/12/21	3799.68	76.15	75.53	0.62	3724.03	--
RW-4R	9/28/21	3799.68	76.25	75.62	0.63	3723.94	84.65
RW-4R	10/25/21	3799.68	76.30	75.68	0.62	3723.88	84.65
RW-4R	11/11/21	3799.68	76.29	75.69	0.60	3723.88	84.65
RW-4R	12/22/21	3799.68	76.44	75.84	0.60	3723.73	84.65
RW-4R	1/28/22	3799.68	76.55	75.95	0.60	3723.62	84.65
RW-4R	2/14/22	3799.68	76.54	75.97	0.57	3723.60	84.53
RW-4R	3/7/22	3799.68	76.65	76.04	0.61	3723.52	84.53
RW-4R	3/7/22	3799.68	76.42	76.24	0.18	3723.41	84.53
RW-4R	3/14/22	3799.68	76.50	76.15	0.35	3723.46	84.53
RW-4R	4/14/22	3799.68	76.43	76.11	0.32	3723.51	84.53
RW-4R	5/5/22	3799.68	76.61	76.23	0.38	3723.38	84.53
RW-4R	6/13/22	3799.68	76.75	76.35	0.40	3723.25	84.53
RW-4R	7/27/22	3799.68	76.85	76.43	0.42	3723.17	84.53

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
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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)
RW-4R	8/23/22	3799.68	76.94	76.32	0.62	3723.24	84.53
RW-4R	11/9/22	3799.68	77.20	76.25	0.95	3723.25	84.53
RW-4R	12/15/22	3799.68	74.46	74.36	0.10	3725.30	83.76
RW-4R	12/15/22	3799.68	--	--	--	--	83.76
RW-5	2/23/17	P&A	--	--	--	--	--
RW-5R	3/3/17	3799.26	--	--	--	--	--
RW-5R	3/3/17	3799.26	--	--	--	--	--
RW-5R	5/16/17	3799.26	--	--	--	--	--
RW-5R	5/30/17	3799.26	71.49		--	3727.77	87.50
RW-5R	6/2/17	3799.26	--	--	--	--	--
RW-5R	6/14/17	3799.26	--	--	--	--	--
RW-5R	6/27/17	3799.26	--	--	--	--	--
RW-5R	7/6/17	3799.26	--	--	--	--	--
RW-5R	7/13/17	3799.26	--	--	--	--	--
RW-5R	8/2/17	3799.26	--	--	--	--	--
RW-5R	8/10/17	3799.26	--	--	--	--	--
RW-5R	8/28/17	3799.26	71.71		--	3727.55	87.05
RW-5R	8/28/17	3799.26	--	--	--	--	--
RW-5R	9/6/17	3799.26	--	--	--	--	--
RW-5R	9/13/17	3799.26	--	--	--	--	--
RW-5R	9/20/17	3799.26	--	--	--	--	--
RW-5R	10/12/17	3799.26	--	--	--	--	--
RW-5R	10/17/17	3799.26	--	--	--	--	--
RW-5R	10/25/17	3799.26	--	--	--	--	--
RW-5R	10/31/17	3799.26	--	--	--	--	--
RW-5R	11/28/17	3799.26	71.94		--	3727.32	87.07
RW-5R	11/30/17	3799.26	--	--	--	--	--
RW-5R	12/5/17	3799.26	--	--	--	--	--
RW-5R	12/12/17	3799.26	--	--	--	--	--
RW-5R	12/21/17	3799.26	--	--	--	--	--
RW-5R	2/26/18	3799.26	72.06	--	--	3727.20	87.23
RW-5R	5/29/18	3799.26	72.33	--	--	3726.93	87.14
RW-5R	8/27/18	3799.26	72.49	--	--	3726.77	87.23
RW-5R	11/26/18	3799.26	72.75	--	--	3726.51	87.23
RW-5R	2/26/19	3799.26	72.99	--	--	3726.27	--
RW-5R	2/26/19	3799.26	--	--	--	--	--
RW-5R	4/30/19	3799.26	71.08	--	--	3728.18	--
RW-5R	5/20/19	3799.26	73.15	--	--	3726.11	--
RW-5R	6/11/19	3799.26	--	--	--	--	--
RW-5R	7/22/19	3799.26	73.31	--	--	3725.95	--
RW-5R	7/25/19	3799.26	--	--	--	--	--
RW-5R	9/3/19	3799.26	--	--	--	--	--
RW-5R	10/21/19	3799.26	73.55	--	--	3725.71	--
RW-5R	10/25/19	3799.26	--	--	--	--	--
RW-5R	2/12/20	3799.26	74.98	--	--	3724.28	86.82
RW-5R	3/18/20	3799.26	--	--	--	--	--
RW-5R	5/1/20	3799.26	74.15	--	--	3725.11	--
RW-5R	5/12/20	3799.26	74.02	--	--	3725.24	--
RW-5R	6/19/20	3799.26	74.09	--	--	3725.17	--
RW-5R	7/29/20	3799.26	74.22	--	--	3725.04	--
RW-5R	8/24/20	3799.26	74.29	--	--	3724.97	--
RW-5R	9/14/20	3799.26	74.38	--	--	3724.88	--
RW-5R	11/2/20	3799.26	74.47	--	--	3724.79	--
RW-5R	12/11/20	3799.26	74.58	--	--	3724.68	--
RW-5R	1/26/21	3799.26	74.73	--	--	3724.53	--
RW-5R	2/9/21	3799.26	74.73	--	--	3724.53	87.05
RW-5R	3/25/21	3799.26	74.87	--	--	3724.39	--
RW-5R	4/28/21	3799.26	74.93	--	--	3724.33	--
RW-5R	5/20/21	3799.26	75.00	--	--	3724.26	--
RW-5R	7/26/21	3799.26	75.14	--	--	3724.12	--
RW-5R	8/12/21	3799.26	75.20	--	--	3724.06	86.88
RW-5R	9/28/21	3799.26	75.33	--	--	3723.93	87.05
RW-5R	10/25/21	3799.26	75.35	--	--	3723.91	87.05
RW-5R	11/11/21	3799.26	75.40	--	--	3723.86	87.05
RW-5R	12/22/21	3799.26	77.06	--	--	3722.20	87.05
RW-5R	1/28/22	3799.26	77.17	--	--	3722.09	87.05
RW-5R	2/14/22	3799.26	75.66	--	--	3723.60	83.80
RW-5R	2/18/22	3799.26	75.66	--	--	3723.60	86.82
RW-5R	3/14/22	3799.26	75.32	--	--	3723.94	86.82
RW-5R	4/14/22	3799.26	77.47	--	--	3721.79	86.82
RW-5R	5/5/22	3799.26	75.80	--	--	3723.46	86.82
RW-5R	6/13/22	3799.26	75.99	--	--	3723.27	86.82
RW-5R	7/27/22	3799.26	76.07	--	--	3723.19	86.82
RW-5R	8/15/22	3799.26	76.13	--	--	3723.13	86.82
RW-5R	11/9/22	3799.26	75.91	--	--	3723.35	86.82
RW-6	2/23/17	P&A	Dry	--	--	--	--
RW-7	1/11/17	3797.43	--	--	--	--	--
RW-7	1/25/17	3797.43	--	--	--	--	--
RW-7	2/7/17	3797.43	--	--	--	--	--
RW-7	3/3/17	3797.43	71.64		--	3725.79	73.47
RW-7	5/2/17	3797.43	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-7	5/16/17	3797.43	--	--	--	--	--
RW-7	5/30/17	3797.43	71.82	71.81	0.01	3725.62	--
RW-7	6/14/17	3797.43	--	--	--	--	--
RW-7	6/27/17	3797.43	--	--	--	--	--
RW-7	7/13/17	3799.47	--	--	--	--	--
RW-7	8/10/17	3799.47	--	--	--	--	--
RW-7	8/28/17	3799.47	72.03		--	3727.44	73.57
RW-7	9/6/17	3799.47	--	--	--	--	--
RW-7	9/13/17	3799.47	--	--	--	--	--
RW-7	9/20/17	3799.47	--	--	--	--	--
RW-7	10/12/17	3799.47	--	--	--	--	--
RW-7	10/17/17	3799.47	--	--	--	--	--
RW-7	10/25/17	3799.47	--	--	--	--	--
RW-7	11/28/17	3799.47	72.28		--	3727.19	73.62
RW-7	11/30/17	3799.47	--	--	--	--	--
RW-7	2/26/18	3799.47	72.43	--	--	3727.04	73.73
RW-7	5/29/18	3799.47	72.69	--	--	3726.78	73.65
RW-7	8/27/18	3799.47	72.84	--	--	3726.63	73.64
RW-7	11/26/18	3799.47	73.09	--	--	3726.38	73.74
RW-7	2/26/19	3799.47	73.26	--	--	3726.21	--
RW-7	4/30/19	3799.47	73.43	--	--	3726.04	--
RW-7	5/20/19	3799.47	Dry	--	--	--	--
RW-7	7/22/19	3799.47	Dry	--	--	--	--
RW-7	10/21/19	3799.47	Dry	--	--	--	73.73
RW-7	2/12/20	3799.47	Dry	--	--	--	73.55
RW-7	5/1/20	3799.47	Dry	--	--	--	--
RW-7	5/12/20	3799.47	Dry	--	--	--	--
RW-7	6/19/20	3799.47	73.50	--	--	3725.97	--
RW-7	7/29/20	3799.47	73.54	--	--	3725.93	--
RW-7	8/24/20	3799.47	73.60	--	--	3725.87	73.65
RW-7	9/14/20	3799.47	Dry	--	--	--	73.55
RW-7	11/2/20	3799.47	Dry	--	--	--	73.67
RW-7	12/11/20	3799.47	Dry	--	--	--	73.51
RW-7	1/26/21	3799.47	Dry	--	--	--	73.60
RW-7	2/9/21	3799.47	Dry	--	--	--	73.73
RW-7	3/25/21	3799.47	73.54	--	--	3725.93	--
RW-7	4/28/21	3799.47	Dry	--	--	--	73.58
RW-7	5/20/21	3799.47	Dry	--	--	--	73.60
RW-7	7/26/21	3799.47	73.51	--	--	3725.96	73.60
RW-7	8/12/21	3799.47	Dry	--	--	--	73.57
RW-7	9/28/21	3799.47	Dry	--	--	--	73.73
RW-7	10/25/21	3799.47	Dry	--	--	--	73.73
RW-7	11/11/21	3799.47	Dry	--	--	--	73.73
RW-7	12/22/21	3799.47	Dry	--	--	--	73.73
RW-7	1/28/22	3799.47	Dry	--	--	--	73.73
RW-7	2/14/22	3799.47	73.51	--	--	3725.96	73.62
RW-7	2/18/22	3799.47	Dry	--	--	--	73.62
RW-7	3/14/22	3799.47	Dry	--	--	--	73.62
RW-7	4/14/22	3799.47	Dry	--	--	--	73.62
RW-7	5/5/22	3799.47	Dry	--	--	--	73.62
RW-7	6/13/22	3799.47	Dry	--	--	--	73.62
RW-7	7/27/22	3799.47	Dry	--	--	--	73.62
RW-7	8/15/22	3799.47	Dry	--	--	--	73.62
RW-7	11/9/22	3799.47	Dry	--	--	--	73.62
RW-8	2/14/17	3798.33	--	--	--	--	--
RW-8	3/3/17	3798.33	72.76	72.55	0.21	3725.74	--
RW-8	5/10/17	3798.33	--	--	--	--	--
RW-8	5/30/17	3798.33	72.85	72.75	0.10	3725.56	--
RW-8	7/6/17	3800.41	--	--	--	--	--
RW-8	7/13/17	3800.41	--	--	--	--	--
RW-8	8/28/17	3800.41	Dry	--	--	--	72.90
RW-8	11/28/17	3800.41	Dry	--	--	--	72.88
RW-8	2/26/18	3800.41	Dry	--	--	--	73.02
RW-8	5/29/18	3800.41	Dry	--	--	--	73.01
RW-8	8/27/18	3800.41	Dry	--	--	--	73.02
RW-8	11/26/18	3800.41	Dry	--	--	--	73.02
RW-8	2/26/19	3800.41	Dry	--	--	--	--
RW-8	5/20/19	3800.41	Dry	--	--	--	--
RW-8	7/22/19	3800.41	Dry	--	--	--	--
RW-8	10/21/19	3800.41	Dry	--	--	--	73.00
RW-8	2/19/20	P&A	--	--	--	--	--
RW-9	1/5/17	3797.99	--	--	--	--	--
RW-9	1/18/17	3797.99	--	--	--	--	--
RW-9	2/14/17	3797.99	--	--	--	--	--
RW-9	3/3/17	3797.99	72.34	72.08	0.26	3725.86	--
RW-9	5/2/17	3797.99	--	--	--	--	--
RW-9	5/10/17	3797.99	--	--	--	--	--
RW-9	5/16/17	3797.99	--	--	--	--	--
RW-9	5/30/17	3797.99	72.29	72.22	0.07	3725.76	--
RW-9	6/14/17	3797.99	--	--	--	--	--
RW-9	6/27/17	3797.99	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-9	7/6/17	3800.02	--	--	--	--	--
RW-9	7/13/17	3800.02	--	--	--	--	--
RW-9	8/2/17	3800.02	--	--	--	--	--
RW-9	8/10/17	3800.02	--	--	--	--	--
RW-9	8/28/17	3800.02	72.50	72.47	0.03	3727.54	--
RW-9	9/6/17	3800.02	--	--	--	--	--
RW-9	9/13/17	3800.02	--	--	--	--	--
RW-9	9/20/17	3800.02	--	--	--	--	--
RW-9	10/12/17	3800.02	--	--	--	--	--
RW-9	10/17/17	3800.02	--	--	--	--	--
RW-9	10/25/17	3800.02	--	--	--	--	--
RW-9	10/25/17	3800.02	--	--	--	--	--
RW-9	10/31/17	3800.02	--	--	--	--	--
RW-9	11/28/17	3800.02	72.69		0.00	3727.33	74.38
RW-9	11/30/17	3800.02	--	--	--	--	--
RW-9	12/5/17	3800.02	--	--	--	--	--
RW-9	12/12/17	3800.02	--	--	--	--	--
RW-9	12/21/17	3800.02	--	--	--	--	--
RW-9	2/26/18	3800.02	72.91	72.88	0.03	3727.13	74.51
RW-9	5/29/18	3800.02	73.19	73.17	0.02	3726.85	
RW-9	8/27/18	3800.02	73.48	73.25	0.23	3726.73	74.51
RW-9	11/26/18	3800.02	73.79	73.46	0.33	3726.50	74.51
RW-9	2/26/19	3800.02	73.97	73.63	0.34	3726.33	--
RW-9	4/30/19	3800.02	73.89	73.72	0.17	3726.27	--
RW-9	4/30/19	3800.02	--	--	--	--	--
RW-9	5/20/19	3800.02	74.10	73.85	0.25	3726.12	--
RW-9	6/25/19	3800.02	--	--	--	--	--
RW-9	7/22/19	3800.02	74.25	74.11	0.14	3725.88	--
RW-9	7/30/19	3800.02	74.29	74.10	0.19	3725.88	--
RW-9	9/3/19	3800.02	--	--	--	--	--
RW-9	10/21/19	3800.02	LNAPL	74.45	0.05	--	74.50
RW-9	2/11/20	3800.02	74.40	74.31	0.09	3725.69	74.43
RW-9	2/25/20	3800.02	--	--	--	--	--
RW-9	5/1/20	3800.02	74.42	74.33	0.09	3725.67	--
RW-9	5/12/20	3800.02	74.44	74.33	0.11	3725.67	--
RW-9	6/19/20	3800.02	74.47	74.30	0.17	3725.69	--
RW-9	7/29/20	3800.02	74.41	74.30	0.11	3725.70	--
RW-9	8/24/20	3800.02	74.36	74.25	0.11	3725.75	--
RW-9	9/14/20	3800.02	74.49	74.35	0.14	3725.64	--
RW-9	11/2/20	3800.02	74.43	74.34	0.09	3725.66	--
RW-9	12/11/20	3800.02	74.45	74.27	0.18	3725.72	--
RW-9	1/26/21	3800.02	74.38	74.30	0.08	3725.70	--
RW-9	2/9/21	3800.02	74.45	74.35	0.10	3725.65	74.53
RW-9	3/25/21	3800.02	74.42	74.34	0.08	3725.66	--
RW-9	4/28/21	3800.02	74.44	74.34	0.10	3725.66	--
RW-9	5/20/21	3800.02	74.41	74.30	0.11	3725.70	--
RW-9	7/26/21	3800.02	74.39	74.28	0.11	3725.72	74.40
RW-9	8/12/21	3800.02	74.40	74.32	0.08	3725.68	--
RW-9	9/28/21	3800.02	74.45	74.31	0.14	3725.68	74.53
RW-9	10/25/21	3800.02	74.50	74.35	0.15	3725.64	74.53
RW-9	11/11/21	3800.02	LNAPL	74.38	0.15	--	74.53
RW-9	12/22/21	3800.02	74.44	74.31	0.13	3725.69	74.53
RW-9	1/28/22	3800.02	LNAPL	74.44	0.09	--	74.53
RW-9	2/14/22	3800.02	74.35	74.28	0.07	3725.73	74.40
RW-9	3/7/22	3800.02	LNAPL	74.30	0.10	--	74.40
RW-9	3/14/22	3800.02	Dry	--	--	--	74.40
RW-9	4/14/22	3800.02	Dry	--	--	--	74.40
RW-9	5/5/22	3800.02	LNAPL	74.31	0.09	--	74.40
RW-9	6/13/22	3800.02	LNAPL	74.35	0.05	--	74.40
RW-9	7/27/22	3800.02	LNAPL	74.33	0.07	--	74.40
RW-9	8/23/22	3800.02	LNAPL	74.33	0.07	--	74.40
RW-9	11/9/22	3800.02	74.60	74.35	0.25	3725.62	84.53
RW-9	12/15/22	3800.02	77.29	76.81	0.48	3723.12	83.76
RW-9	12/15/22	3800.02	76.94	76.93	0.01	3723.09	83.76
RW-10	1/5/17	3799.10	--	--	--	--	--
RW-10	1/18/17	3799.10	--	--	--	--	--
RW-10	3/3/17	3799.10	Dry	--	--	--	73.04
RW-10	5/30/17	3799.10	Dry	--	--	--	70.20
RW-10	8/28/17	3801.18	Dry	--	--	--	69.90
RW-10	11/28/17	3801.18	Dry	--	--	--	69.89
RW-10	2/26/18	3801.18	Dry	--	--	--	69.98
RW-10	5/29/18	3801.18	Dry	--	--	--	--
RW-10	8/27/18	3801.18	Dry	--	--	--	--
RW-10	11/26/18	3801.18	Dry	--	--	--	--
RW-10	2/26/19	3801.18	Dry	--	--	--	--
RW-10	5/20/19	3801.18	Dry	--	--	--	--
RW-10	7/22/19	3801.18	Dry	--	--	--	--
RW-10	10/21/19	3801.18	Dry	--	--	--	69.97
RW-10	2/19/20	P&A	--	--	--	--	--
RW-10R	3/10/20	--	--	--	--	--	--
RW-10R	4/8/20	3799.97	75.24	--	--	3724.73	93.10

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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)
RW-10R	4/15/20	3799.97	75.22	--	--	3724.75	--
RW-10R	4/16/20	3799.97	75.19	--	--	3724.78	92.65
RW-10R	5/1/20	3799.97	75.29	--	--	3724.68	--
RW-10R	5/12/20	3799.97	74.31	--	--	3725.66	--
RW-10R	6/19/20	3799.97	75.38	--	--	3724.59	--
RW-10R	7/29/20	3799.97	75.51	--	--	3724.46	--
RW-10R	8/24/20	3799.97	75.59	75.56	0.03	3724.40	--
RW-10R	9/14/20	3799.97	75.64	75.63	0.01	3724.34	--
RW-10R	11/2/20	3799.97	75.74	--	--	3724.23	--
RW-10R	12/11/20	3799.97	74.88	75.85	--	#VALUE!	--
RW-10R	1/26/21	3799.97	76.05	75.98	0.07	3723.98	--
RW-10R	2/9/21	3799.97	76.06	75.99	0.07	3723.97	92.95
RW-10R	3/25/21	3799.97	76.21	76.13	0.08	3723.82	--
RW-10R	4/28/21	3799.97	76.33	76.19	0.14	3723.75	--
RW-10R	5/20/21	3799.97	76.38	76.27	0.11	3723.68	--
RW-10R	7/26/21	3799.97	76.59	76.41	0.18	3723.53	--
RW-10R	8/12/21	3799.97	76.68	76.47	0.21	3723.46	--
RW-10R	9/28/21	3799.97	76.80	76.58	0.22	3723.35	92.95
RW-10R	10/25/21	3799.97	76.84	76.64	0.20	3723.29	92.95
RW-10R	11/11/21	3799.97	76.93	76.65	0.28	3723.27	92.95
RW-10R	12/22/21	3799.97	76.99	76.77	0.22	3723.16	92.95
RW-10R	1/28/22	3799.97	77.12	76.89	0.23	3723.04	92.95
RW-10R	2/14/22	3799.97	--	76.84	--	--	92.88
RW-10R	2/18/22	3799.97	77.44	76.84	0.60	3723.02	92.88
RW-10R	3/7/22	3799.97	77.50	76.91	0.59	3722.95	92.88
RW-10R	3/7/22	3799.97	76.86	76.49	0.37	3723.41	92.88
RW-10R	3/14/22	3799.97	77.47	76.99	0.48	3722.89	92.88
RW-10R	4/14/22	3799.97	77.61	77.02	0.59	3722.84	92.88
RW-10R	5/6/22	3799.97	77.73	77.02	0.71	3722.82	92.88
RW-10R	6/13/22	3799.97	78.04	77.14	0.90	3722.66	92.88
RW-10R	6/30/22	3799.97	78.08	77.15	0.93	3722.64	92.88
RW-10R	7/5/22	3799.97	78.11	77.17	0.94	3722.62	92.88
RW-10R	7/22/22	3799.97	78.22	77.18	1.04	3722.59	92.88
RW-10R	7/22/22	3799.97	78.26	78.23	0.03	3721.73	92.88
RW-10R	7/27/22	3799.97	77.58	77.32	0.26	3722.60	92.88
RW-10R	8/23/22	3799.97	77.81	77.40	0.41	3722.49	92.88
RW-10R	11/9/22	3799.97	78.54	77.54	1.00	3722.24	92.88
RW-10R	12/15/22	3799.97	78.71	77.59	1.12	3722.17	83.76
RW-10R	12/15/22	3799.97	78.20	78.13	0.07	3721.83	83.76
RW-11	3/3/17	3796.65	LNAPL	70.09	2.67	--	72.76
RW-11	5/30/17	3796.65	72.80	70.37	2.43	3725.82	--
RW-11	6/5/17	3796.65	--	--	--	--	--
RW-11	8/28/17	3798.72	71.74	71.27	0.47	3727.36	--
RW-11	11/29/17	3798.72	71.94	71.45	0.49	3727.18	--
RW-11	2/26/18	3798.72	73.00	71.01	1.99	3727.33	73.03
RW-11	5/29/18	3798.72	72.31	71.90	0.41	3726.74	--
RW-11	8/27/18	3798.72	72.87	71.96	0.91	3726.59	73.03
RW-11	11/26/18	3798.72	LNAPL	71.54	1.99	--	73.53
RW-11	2/26/19	3798.72	LNAPL	71.72	1.81	--	--
RW-11	5/20/19	3798.72	LNAPL	72.60	0.75	--	--
RW-11	7/22/19	3798.72	LNAPL	72.55	0.83	--	--
RW-11	10/21/19	3798.72	LNAPL	72.53	1.00	--	73.40
RW-11	2/11/20	3798.72	73.53	72.64	0.89	3725.91	73.61
RW-11	2/25/20	3798.72	--	--	--	--	--
RW-11	5/1/20	3798.72	LNAPL	73.04	0.36	--	73.40
RW-11	5/12/20	3798.72	73.80	72.80	1.00	3725.73	73.40
RW-11	6/19/20	3798.72	LNAPL	73.02	0.38	--	73.40
RW-11	7/29/20	3798.72	73.52	73.13	0.39	3725.52	73.40
RW-11	8/24/20	3798.72	73.50	73.02	0.48	3725.61	--
RW-11	9/14/20	3798.72	LNAPL	73.09	0.41	--	73.50
RW-11	11/2/20	3798.72	LNAPL	73.23	0.15	--	73.38
RW-11	12/11/20	3798.72	LNAPL	73.32	0.18	--	73.50
RW-11	1/26/21	3798.72	LNAPL	73.47	0.03	--	73.50
RW-11	2/9/21	3798.72	Dry	--	--	--	73.49
RW-11	3/25/21	3798.72	Dry	--	--	--	73.41
RW-11	4/28/21	3798.72	Dry	--	--	--	--
RW-11	5/20/21	3798.72	Dry	--	--	--	73.40
RW-11	7/26/21	3798.72	Dry	--	--	--	73.65
RW-11	8/12/21	3798.72	Dry	--	--	--	73.45
RW-11	9/28/21	3798.72	Dry	--	--	--	73.49
RW-11	10/25/21	3798.72	Dry	--	--	--	73.49
RW-11	11/11/21	3798.72	Dry	--	--	--	73.49
RW-11	12/22/21	3798.72	Dry	--	--	--	73.49
RW-11	1/28/22	3798.72	Dry	--	--	--	73.49
RW-11	2/14/22	3798.72	Dry	--	--	--	73.38
RW-11	3/14/22	3798.72	Dry	--	--	--	73.38
RW-11	4/14/22	3798.72	Dry	--	--	--	73.38
RW-11	5/5/22	3798.72	Dry	--	--	--	73.38
RW-11	6/13/22	3798.72	Dry	--	--	--	73.38
RW-11	7/27/22	3798.72	Dry	--	--	--	73.38
RW-11	8/23/22	3798.72	Dry	--	--	--	73.38

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-11	11/9/22	3798.72	Dry	--	--	--	73.38
RW-12	3/3/17	3798.13	Dry	--	--	--	72.60
RW-12	5/30/17	3798.13	Dry	--	--	--	72.80
RW-12	8/28/17	3800.23	Dry	--	--	--	72.58
RW-12	11/28/17	3800.23	Dry	--	--	--	72.60
RW-12	2/26/18	3800.23	Dry	--	--	--	72.57
RW-12	5/29/18	3800.23	Dry	--	--	--	72.59
RW-12	8/27/18	3800.23	Dry	--	--	--	72.68
RW-12	11/26/18	3800.23	Dry	--	--	--	72.68
RW-12	2/26/19	3800.23	Dry	--	--	--	--
RW-12	5/20/19	3800.23	Dry	--	--	--	--
RW-12	7/22/19	3800.23	Dry	--	--	--	--
RW-12	10/21/19	3800.23	Dry	--	--	--	72.68
RW-12	2/19/20	P&A	--	--	--	--	--
RW-13	1/11/17	3798.52	--	--	--	--	--
RW-13	1/25/17	3798.52	--	--	--	--	--
RW-13	2/7/17	3798.52	--	--	--	--	--
RW-13	3/3/17	3798.52	72.77	--	--	3725.75	74.04
RW-13	4/4/17	3798.52	--	--	--	--	--
RW-13	5/2/17	3798.52	--	--	--	--	--
RW-13	5/16/17	3798.52	--	--	--	--	--
RW-13	5/30/17	3798.52	72.91	--	--	3725.61	74.10
RW-13	6/2/17	3798.52	--	--	--	--	--
RW-13	6/14/17	3798.52	--	--	--	--	--
RW-13	7/6/17	3800.62	--	--	--	--	--
RW-13	7/13/17	3800.62	--	--	--	--	--
RW-13	8/10/17	3800.62	--	--	--	--	--
RW-13	8/28/17	3800.62	73.13	--	--	3727.49	74.00
RW-13	9/13/17	3800.62	--	--	--	--	--
RW-13	10/12/17	3800.62	--	--	--	--	--
RW-13	10/17/17	3800.62	--	--	--	--	--
RW-13	10/25/17	3800.62	--	--	--	--	--
RW-13	11/28/17	3800.62	73.36	--	--	3727.26	74.02
RW-13	11/30/17	3800.62	--	--	--	--	--
RW-13	12/12/17	3800.62	--	--	--	--	--
RW-13	2/26/18	3800.62	73.51	--	--	3727.11	74.11
RW-13	5/29/18	3800.62	73.79	--	--	3726.83	74.04
RW-13	8/27/18	3800.62	Dry	--	--	--	74.11
RW-13	11/26/18	3800.62	73.83	--	--	3726.79	74.11
RW-13	2/26/19	3800.62	73.79	--	--	3726.83	--
RW-13	5/20/19	3800.62	Dry	--	--	--	--
RW-13	7/22/19	3800.62	Dry	--	--	--	--
RW-13	10/21/19	3800.62	Dry	--	--	--	74.10
RW-13	2/12/20	3800.62	Dry	--	--	--	74.95
RW-13	5/1/20	3800.62	Dry	--	--	--	--
RW-13	5/12/20	3800.62	73.92	--	--	3726.70	74.09
RW-13	6/19/20	3800.62	Dry	--	--	--	--
RW-13	7/29/20	3800.62	Dry	--	--	--	79.15
RW-13	8/24/20	3800.62	73.94	--	--	3726.68	74.03
RW-13	9/14/20	3800.62	73.95	--	--	3726.67	-
RW-13	11/2/20	3800.62	Dry	--	--	--	74.07
RW-13	12/11/20	3800.62	73.92	--	--	3726.70	74.07
RW-13	1/26/21	3800.62	73.94	--	--	3726.68	-
RW-13	2/9/21	3800.62	Dry	--	--	--	74.13
RW-13	3/25/21	3800.62	73.95	--	--	3726.67	-
RW-13	4/28/21	3800.62	Dry	--	--	--	74.12
RW-13	5/20/21	3800.62	Dry	--	--	--	74.13
RW-13	7/26/21	3800.62	73.93	--	--	3726.69	74.04
RW-13	8/12/21	3800.62	73.93	--	--	3726.69	74.05
RW-13	9/28/21	3800.62	73.96	--	--	3726.66	74.13
RW-13	10/25/21	3800.62	74.00	--	--	3726.62	74.13
RW-13	11/11/21	3800.62	74.04	--	--	3726.58	74.13
RW-13	12/22/21	3800.62	74.14	--	--	3726.48	74.13
RW-13	1/28/22	3800.62	Dry	--	--	--	74.13
RW-13	2/14/22	3800.62	73.91	--	--	3726.71	74.02
RW-13	3/14/22	3800.62	Dry	--	--	--	74.02
RW-13	4/14/22	3800.62	Dry	--	--	--	74.02
RW-13	5/5/22	3800.62	73.97	--	--	3726.65	74.02
RW-13	6/13/22	3800.62	Dry	--	--	--	74.02
RW-13	7/27/22	3800.62	Dry	--	--	--	74.02
RW-13	8/15/22	3800.62	Dry	--	--	--	74.02
RW-13	11/9/22	3800.62	Dry	--	--	--	74.02
RW-14	1/11/17	3798.07	--	--	--	--	--
RW-14	1/25/17	3798.07	--	--	--	--	--
RW-14	2/7/17	3798.07	--	--	--	--	--
RW-14	3/3/17	3798.07	72.45	--	--	3725.62	83.82
RW-14	3/3/17	3798.07	--	--	--	--	--
RW-14	4/4/17	3798.07	--	--	--	--	--
RW-14	5/2/17	3798.07	--	--	--	--	--
RW-14	5/16/17	3798.07	--	--	--	--	--
RW-14	5/30/17	3798.07	72.65	--	--	3725.42	82.40

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-14	6/2/17	3798.07	--	--	--	--	--
RW-14	6/14/17	3798.07	--	--	--	--	--
RW-14	6/27/17	3798.07	--	--	--	--	--
RW-14	7/13/17	3800.13	--	--	--	--	--
RW-14	8/2/17	3800.13	--	--	--	--	--
RW-14	8/10/17	3800.13	--	--	--	--	--
RW-14	8/28/17	3800.13	72.84	--	--	3727.29	83.79
RW-14	9/6/17	3800.13	--	--	--	--	--
RW-14	9/13/17	3800.13	--	--	--	--	--
RW-14	9/20/17	3800.13	--	--	--	--	--
RW-14	10/12/17	3800.13	--	--	--	--	--
RW-14	10/17/17	3800.13	--	--	--	--	--
RW-14	10/25/17	3800.13	--	--	--	--	--
RW-14	10/31/17	3800.13	--	--	--	--	--
RW-14	11/28/17	3800.13	73.05	--	--	3727.08	83.75
RW-14	11/30/17	3800.13	--	--	--	--	--
RW-14	12/5/17	3800.13	--	--	--	--	--
RW-14	12/12/17	3800.13	--	--	--	--	--
RW-14	12/21/17	3800.13	--	--	--	--	--
RW-14	2/26/18	3800.13	73.21	--	--	3726.92	83.92
RW-14	5/29/18	3800.13	73.51	--	--	3726.62	83.70
RW-14	8/27/18	3800.13	73.61	--	--	3726.52	83.92
RW-14	11/26/18	3800.13	73.88	--	--	3726.25	83.92
RW-14	2/26/19	3800.13	74.09	--	--	3726.04	--
RW-14	5/20/19	3800.13	74.30	--	--	3725.83	--
RW-14	7/22/19	3800.13	74.45	--	--	3725.68	--
RW-14	7/25/19	3800.13	--	--	--	--	--
RW-14	9/3/19	3800.13	--	--	--	--	--
RW-14	10/21/19	3800.13	74.70	--	--	3725.43	--
RW-14	10/24/19	3800.13	--	--	--	--	--
RW-14	12/11/19	3800.13	--	--	--	--	--
RW-14	2/12/20	3800.13	75.00	--	--	3725.13	85.38
RW-14	5/1/20	3800.13	75.13	--	--	3725.00	--
RW-14	5/12/20	3800.13	75.13	--	--	3725.00	--
RW-14	6/19/20	3800.13	75.22	--	--	3724.91	--
RW-14	7/29/20	3800.13	75.34	--	--	3724.79	--
RW-14	8/24/20	3800.13	75.40	--	--	3724.73	--
RW-14	9/14/20	3800.13	75.48	--	--	3724.65	--
RW-14	11/2/20	3800.13	75.59	--	--	3724.54	--
RW-14	12/11/20	3800.13	75.68	--	--	3724.45	--
RW-14	1/26/21	3800.13	75.84	--	--	3724.29	--
RW-14	2/9/21	3800.13	75.85	--	--	3724.28	83.55
RW-14	3/25/21	3800.13	75.98	--	--	3724.15	--
RW-14	4/28/21	3800.13	76.05	--	--	3724.08	--
RW-14	5/20/21	3800.13	76.11	--	--	3724.02	--
RW-14	7/26/21	3800.13	76.24	--	--	3723.89	--
RW-14	8/12/21	3800.13	76.33	--	--	3723.80	83.46
RW-14	9/28/21	3800.13	76.45	--	--	3723.68	83.55
RW-14	10/25/21	3800.13	76.48	--	--	3723.65	83.55
RW-14	11/11/21	3800.13	76.52	--	--	3723.61	83.55
RW-14	12/22/21	3800.13	76.61	--	--	3723.52	83.55
RW-14	1/28/22	3800.13	76.72	--	--	3723.41	83.55
RW-14	2/14/22	3800.13	76.76	--	--	3723.37	83.84
RW-14	3/14/22	3800.13	77.86	--	--	3722.27	83.84
RW-14	4/14/22	3800.13	77.01	--	--	3723.12	83.84
RW-14	5/5/22	3800.13	76.97	--	--	3723.16	83.84
RW-14	6/13/22	3800.13	77.09	--	--	3723.04	83.84
RW-14	7/27/22	3800.13	77.18	--	--	3722.95	83.84
RW-14	8/15/22	3800.13	77.25	--	--	3722.88	83.84
RW-14	11/9/22	3800.13	77.46	--	--	3722.67	83.84
RW-15	1/11/17	3798.16	--	--	--	--	--
RW-15	1/25/17	3798.16	--	--	--	--	--
RW-15	2/7/17	3798.16	--	--	--	--	--
RW-15	3/3/17	3798.16	72.48	--	--	3725.68	82.00
RW-15	4/4/17	3798.16	--	--	--	--	--
RW-15	5/30/17	3798.16	72.65	--	--	3725.51	82.65
RW-15	6/2/17	3798.16	--	--	--	--	--
RW-15	8/28/17	3800.23	72.87	--	--	3727.36	82.00
RW-15	10/12/17	3800.23	--	--	--	--	--
RW-15	10/17/17	3800.23	--	--	--	--	--
RW-15	10/25/17	3800.23	--	--	--	--	--
RW-15	10/31/17	3800.23	--	--	--	--	--
RW-15	11/28/17	3800.23	73.06	--	--	3727.17	82.00
RW-15	11/30/17	3800.23	--	--	--	--	--
RW-15	12/12/17	3800.23	--	--	--	--	--
RW-15	12/21/17	3800.23	--	--	--	--	--
RW-15	2/26/18	3800.23	73.28	--	--	3726.95	83.92
RW-15	5/29/18	3800.23	73.50	--	--	3726.73	82.01
RW-15	8/27/18	3800.23	73.64	--	--	3726.59	83.92
RW-15	11/26/18	3800.23	73.91	--	--	3726.32	83.92
RW-15	2/26/19	3800.23	74.11	--	--	3726.12	--

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-15	5/20/19	3800.23	74.42	--	--	3725.81	--
RW-15	7/22/19	3800.23	74.51	--	--	3725.72	--
RW-15	7/25/19	3800.23	--	--	--	--	--
RW-15	9/3/19	3800.23	--	--	--	--	--
RW-15	10/21/19	3800.23	74.71	--	--	3725.52	--
RW-15	10/25/19	3800.23	--	--	--	--	--
RW-15	12/11/19	3800.23	--	--	--	--	--
RW-15	2/12/20	3800.23	74.98	--	--	3725.25	84.81
RW-15	5/1/20	3800.23	75.15	--	--	3725.08	--
RW-15	5/12/20	3800.23	75.16	--	--	3725.07	--
RW-15	6/19/20	3800.23	75.26	--	--	3724.97	--
RW-15	7/29/20	3800.23	75.37	--	--	3724.86	--
RW-15	8/24/20	3800.23	75.42	--	--	3724.81	--
RW-15	9/14/20	3800.23	75.50	--	--	3724.73	--
RW-15	11/2/20	3800.23	75.61	--	--	3724.62	--
RW-15	12/11/20	3800.23	75.71	--	--	3724.52	--
RW-15	1/26/21	3800.23	75.86	--	--	3724.37	--
RW-15	2/9/21	3800.23	75.87	--	--	3724.36	83.35
RW-15	3/25/21	3800.23	76.00	--	--	3724.23	--
RW-15	4/28/21	3800.23	76.06	--	--	3724.17	--
RW-15	7/26/21	3800.23	76.28	--	--	3723.95	--
RW-15	5/20/21	3800.23	76.13	--	--	3724.10	--
RW-15	9/28/21	3800.23	76.45	--	--	3723.78	--
RW-15	8/12/21	3800.23	75.33	--	--	3724.90	83.35
RW-15	10/25/21	3800.23	76.48	--	--	3723.75	83.35
RW-15	11/11/21	3800.23	76.52	--	--	3723.71	83.35
RW-15	12/22/21	3800.23	76.63	--	--	3723.60	83.35
RW-15	1/28/22	3800.23	76.76	--	--	3723.47	83.35
RW-15	2/14/22	3800.23	76.77	--	--	3723.46	82.01
RW-15	3/14/22	3800.23	76.90	--	--	3723.33	82.01
RW-15	4/14/22	3800.23	77.06	--	--	3723.17	82.01
RW-15	5/5/22	3800.23	76.98	--	--	3723.25	82.01
RW-15	6/13/22	3800.23	77.11	--	--	3723.12	82.01
RW-15	7/27/22	3800.23	77.20	--	--	3723.03	82.01
RW-15	8/15/22	3800.23	77.27	--	--	3722.96	82.01
RW-15	11/9/22	3800.23	77.46	--	--	3722.77	82.01
RW-16	3/3/17	--	--	--	--	--	--
RW-16	5/16/17	--	--	--	--	--	--
RW-16	5/30/17	3800.19	72.63	72.50	0.13	3727.67	
RW-16	6/14/17	3800.19	--	--	--	--	--
RW-16	7/13/17	3800.19	--	--	--	--	--
RW-16	8/10/17	3800.19	--	--	--	--	--
RW-16	8/28/17	3800.19	72.78	72.75	0.03	3727.43	--
RW-16	9/13/17	3800.19	--	--	--	--	--
RW-16	9/20/17	3800.19	--	--	--	--	--
RW-16	10/12/17	3800.19	--	--	--	--	--
RW-16	10/17/17	3800.19	--	--	--	--	--
RW-16	10/25/17	3800.19	--	--	--	--	--
RW-16	10/31/17	3800.19	--	--	--	--	--
RW-16	12/5/17	3800.19	--	--	--	--	--
RW-16	11/28/17	3800.19	73.03	72.97	0.06	3727.21	--
RW-16	12/21/17	3800.19	--	--	--	--	--
RW-16	2/26/18	3800.19	73.29	73.08	0.21	3727.07	91.42
RW-16	5/29/18	3800.19	73.90	73.25	0.65	3726.82	
RW-16	8/27/18	3800.19	73.91	73.44	0.47	3726.66	91.42
RW-16	11/26/18	3800.19	LNAPL	73.55	1.40	--	74.95
RW-16	2/26/19	3800.19	75.74	73.64	2.10	3726.15	--
RW-16	4/30/19	3800.19	76.31	73.67	2.64	3726.02	--
RW-16	5/20/19	3800.19	75.60	73.91	1.69	3725.96	--
RW-16	6/11/19	3800.19	--	--	--	--	--
RW-16	6/25/19	3800.19	--	--	--	--	--
RW-16	7/22/19	3800.19	75.21	74.20	1.01	3725.80	--
RW-16	10/21/19	3800.19	74.68	74.60	0.08	3725.57	--
RW-16	2/11/20	3800.19	75.09	74.84	0.25	3725.30	89.95
RW-16	5/1/20	3800.19	--	--	--	--	--
RW-16	5/12/20	3800.19	75.21	75.05	0.16	3725.11	--
RW-16	6/19/20	3800.19	-	-	-	#VALUE!	--
RW-16	7/29/20	3800.19	75.83	75.17	0.66	3724.89	--
RW-16	8/24/20	3800.19	75.99	75.21	0.78	3724.83	--
RW-16	9/14/20	3800.19	76.13	75.27	0.86	3724.76	--
RW-16	11/2/20	3800.19	75.58	75.51	0.07	3724.67	--
RW-16	12/11/20	3800.19	--	--	--	--	--
RW-16	1/26/21	3800.19	--	--	--	--	--
RW-16	2/9/21	3800.19	75.85	75.78	0.07	3724.40	89.95
RW-16	3/25/21	3800.19	76.12	75.87	0.25	3724.27	--
RW-16	4/28/21	3800.19	76.08	75.92	0.16	3724.24	--
RW-16	5/20/21	3800.19	76.42	76.00	0.42	3724.11	--
RW-16	7/26/21	3800.19	76.68	76.13	0.55	3723.96	--
RW-16	8/12/21	3800.19	76.81	76.20	0.61	3723.87	--
RW-16	9/28/21	3800.19	76.97	76.26	0.71	3723.80	89.95
RW-16	10/25/21	3800.19	77.01	76.31	0.70	3723.75	89.95

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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)
RW-16	11/11/21	3800.19	77.13	76.35	0.78	3723.69	89.95
RW-16	12/22/21	3800.19	77.15	76.46	0.69	3723.60	89.95
RW-16	1/28/22	3800.19	77.27	76.50	0.77	3723.54	89.95
RW-16	2/14/22	3800.19	77.43	76.68	0.75	3723.37	89.81
RW-16	3/7/22	3800.19	77.51	76.65	0.86	3723.38	89.81
RW-16	3/7/22	3800.19	76.77	76.13	0.64	3723.94	89.81
RW-16	3/14/22	3800.19	77.28	76.77	0.51	3723.32	89.81
RW-16	4/14/22	3800.19	77.41	76.85	0.56	3723.23	89.81
RW-16	5/5/22	3800.19	77.38	76.84	0.54	3723.25	89.81
RW-16	6/13/22	3800.19	77.55	76.96	0.59	3723.12	89.81
RW-16	7/27/22	3800.19	77.64	77.05	0.59	3723.03	89.81
RW-16	8/23/22	3800.19	77.76	77.17	0.59	3722.91	89.81
RW-16	11/9/22	3800.19	78.08	77.37	0.71	3722.69	89.81
RW-16	12/15/22	3800.19	78.08	77.41	0.67	3722.65	89.81
RW-16	12/15/22	3800.19	77.69	77.66	0.03	3722.52	89.81
RW-17	3/3/17	--	--	--	--	--	--
RW-17	5/16/17	--	--	--	--	--	--
RW-17	5/30/17	3799.82	72.80	72.20	0.60	3727.51	--
RW-17	6/14/17	3799.82	--	--	--	--	--
RW-17	6/27/17	3799.82	--	--	--	--	--
RW-17	8/28/17	3799.82	73.50	72.33	1.17	3727.27	--
RW-17	11/29/17	3799.82	75.63	72.11	3.52	3727.04	--
RW-17	2/26/18	3799.82	76.96	72.04	4.92	3726.85	89.78
RW-17	5/29/18	3799.82	77.72	72.20	5.52	3726.57	
RW-17	8/27/18	3799.82	74.17	73.12	1.05	3726.50	89.78
RW-17	11/26/18	3799.82	74.92	73.28	1.64	3726.23	89.78
RW-17	2/20/19	3799.82	--	--	--	--	--
RW-17	2/26/19	3799.82	73.95	73.74	0.21	3726.04	
RW-17	5/20/19	3799.82	74.45	73.85	0.60	3725.86	
RW-17	6/11/19	3799.82	--	--	--	--	--
RW-17	6/25/19	3799.82	--	--	--	--	--
RW-17	7/22/19	3799.82	74.55	74.04	0.51	3725.68	--
RW-17	10/21/19	3799.82	74.81	74.30	0.51	3725.42	--
RW-17	2/11/20	3799.82	75.21	74.52	0.69	3725.17	89.82
RW-17	5/1/20	3799.82	--	--	--	--	--
RW-17	5/12/20	3799.82	75.27	74.76	0.51	3724.96	-
RW-17	6/19/20	3799.82	--	--	--	--	--
RW-17	7/29/20	3799.82	--	--	--	--	--
RW-17	8/24/20	3799.82	--	--	--	--	--
RW-17	9/14/20	3799.82	75.52	75.08	0.44	3724.66	--
RW-17	11/2/20	3799.82	76.55	75.02	1.53	3724.51	--
RW-17	12/11/20	3799.82	77.25	75	2.25	3724.39	--
RW-17	1/26/21	3799.82	77.83	75.04	2.79	3724.25	--
RW-17	2/9/21	3799.82	77.98	75.04	2.94	3724.22	90.01
RW-17	3/25/21	3799.82	--	--	--	--	--
RW-17	4/28/21	3799.82	--	--	--	--	--
RW-17	5/20/21	3799.82	76.28	75.70	0.58	3724.01	--
RW-17	7/26/21	3799.82	76.10	75.97	0.13	3723.83	--
RW-17	8/12/21	3799.82	76.13	75.99	0.14	3723.80	--
RW-17	9/28/21	3799.82	76.68	76.04	0.64	3723.66	90.01
RW-17	10/25/21	3799.82	76.71	76.12	0.59	3723.59	90.01
RW-17	11/11/21	3799.82	76.73	76.16	0.57	3723.55	90.01
RW-17	12/22/21	3799.82	76.85	76.24	0.61	3723.46	90.01
RW-17	1/28/22	3799.82	76.98	76.36	0.62	3723.34	90.01
RW-17	2/14/22	3799.82	77.39	76.28	1.11	3723.33	89.81
RW-17	3/7/22	3799.82	77.75	74.30	3.45	3724.86	89.81
RW-17	3/7/22	3799.82	75.89	75.12	0.77	3724.55	89.81
RW-17	3/14/22	3799.82	77.26	76.48	0.78	3723.19	89.81
RW-17	4/14/22	3799.82	77.03	76.56	0.47	3723.17	89.81
RW-17	5/5/22	3799.82	77.89	76.42	1.47	3723.12	89.81
RW-17	6/3/22	3799.82	77.13	76.75	0.38	3723.00	89.81
RW-17	6/10/22	3799.82	77.05	76.70	0.35	3723.05	89.81
RW-17	6/13/22	3799.82	77.02	76.73	0.29	3723.03	89.81
RW-17	7/27/22	3799.82	77.74	77.66	0.08	3722.14	89.81
RW-17	8/5/22	3799.82	77.76	76.71	1.05	3722.91	89.81
RW-17	8/5/22	3799.82	73.19	--	0.00	3726.63	89.81
RW-17	8/23/22	3799.82	77.43	76.90	0.53	3722.82	89.81
RW-17	9/1/22	3799.82	77.51	76.88	0.63	3722.82	89.81
RW-17	9/9/22	3799.82	77.61	76.86	0.75	3722.82	89.81
RW-17	11/9/22	3799.82	78.40	76.99	1.41	3722.56	89.81
RW-17	12/15/22	3799.82	78.59	77.01	1.58	3722.51	89.81
RW-17	12/15/22	3799.82	77.92	77.89	0.03	3721.92	89.81
RW-18	3/10/20	--	--	--	--	--	--
RW-18	4/8/20	3799.57	74.77	74.76	0.01	3724.81	93.04
RW-18	4/15/20	3799.57	74.75	--	--	3724.82	--
RW-18	4/16/20	3799.57	74.68	--	--	3724.89	92.68
RW-18	5/1/20	3799.57	74.81	--	--	3724.76	--
RW-18	5/12/20	3799.57	74.85	74.82	0.03	3724.74	--
RW-18	6/19/20	3799.57	74.96	74.88	0.08	3724.67	--
RW-18	7/29/20	3799.57	75.08	75.02	0.06	3724.54	--
RW-18	8/24/20	3799.57	75.14	75.08	0.06	3724.48	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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)
RW-18	9/14/20	3799.57	75.22	75.16	0.06	3724.40	--
RW-18	11/2/20	3799.57	75.36	75.24	0.12	3724.31	--
RW-18	12/11/20	3799.57	75.57	75.33	0.24	3724.19	--
RW-18	1/26/21	3799.57	75.85	75.44	0.41	3724.05	--
RW-18	2/9/21	3799.57	75.97	75.44	0.53	3724.03	93.03
RW-18	3/25/21	3799.57	76.52	75.49	1.03	3723.88	--
RW-18	4/28/21	3799.57	76.98	75.49	1.49	3723.80	--
RW-18	5/20/21	3799.57	77.12	75.57	1.55	3723.71	--
RW-18	7/26/21	3799.57	77.77	75.58	2.19	3723.57	--
RW-18	8/12/21	3799.57	77.95	75.61	2.34	3723.52	--
RW-18	9/28/21	3799.57	78.33	75.62	2.71	3723.44	93.03
RW-18	10/25/21	3799.57	78.26	76.00	2.26	3723.14	93.03
RW-18	11/11/21	3799.57	77.23	75.98	1.25	3723.35	93.03
RW-18	12/22/21	3799.57	78.39	76.13	2.26	3723.01	93.03
RW-18	1/28/22	3799.57	78.55	76.26	2.29	3722.87	93.03
RW-18	2/14/22	3799.57	77.48	76.23	1.25	3723.10	93.08
RW-18	3/7/22	3799.57	77.65	76.29	1.36	3723.02	93.08
RW-18	3/7/22	3799.57	76.94	76.45	0.49	3723.03	93.08
RW-18	3/14/22	3799.57	77.14	76.49	0.65	3722.96	93.08
RW-18	4/14/22	3799.57	77.30	76.51	0.79	3722.91	93.08
RW-18	5/6/22	3799.57	77.41	76.50	0.91	3722.90	93.08
RW-18	6/13/22	3799.57	77.74	76.60	1.14	3722.75	93.08
RW-18	6/30/22	3799.57	77.40	76.76	0.64	3722.69	93.08
RW-18	7/5/22	3799.57	77.37	76.73	0.64	3722.72	93.08
RW-18	7/22/22	3799.57	77.49	76.74	0.75	3722.69	93.08
RW-18	7/27/22	3799.57	77.51	76.77	0.74	3722.66	93.08
RW-18	8/23/22	3799.57	77.72	76.82	0.90	3722.58	93.08
RW-18	9/16/22	3799.57	77.84	76.80	1.04	3722.57	93.08
RW-18	9/16/22	3799.57	76.73	76.71	0.02	3722.86	93.08
RW-18	9/30/22	3799.57	77.41	76.95	0.46	3722.53	93.08
RW-18	10/14/22	3800.57	77.46	77.00	0.46	3723.48	93.08
RW-18	10/21/22	3801.57	77.55	76.97	0.58	3724.49	93.08
RW-18	11/9/22	3799.57	77.59	77.08	0.51	3722.39	93.08
RW-18	11/18/22	3799.57	77.76	77.07	0.69	3722.37	93.08
RW-18	11/18/22	3799.57	77.15	77.10	0.05	3722.46	93.08
RW-18	12/9/22	3799.57	77.76	77.07	0.69	3722.37	93.08
RW-18	12/9/22	3799.57	77.15	77.10	0.05	3722.46	93.08
RW-18	12/15/22	3799.57	77.42	77.26	0.16	3722.28	93.08
RW-18	12/15/22	3799.57	--	--	--	--	93.08
RW-19	3/10/20	--	--	--	--	--	--
RW-19	4/8/20	3799.31	74.54	--	--	3724.77	93.05
RW-19	4/15/20	3799.31	74.54	--	--	3724.77	--
RW-19	4/16/20	3799.31	74.46	--	--	3724.85	92.82
RW-19	5/1/20	3799.31	74.57	--	--	3724.74	--
RW-19	5/12/20	3799.31	74.59	--	--	3724.72	--
RW-19	6/19/20	3799.31	74.69	--	--	3724.62	--
RW-19	7/29/20	3799.31	74.80	--	--	3724.51	--
RW-19	8/24/20	3799.31	74.87	--	--	3724.44	--
RW-19	9/14/20	3799.31	74.94	--	--	3724.37	--
RW-19	11/2/20	3799.31	75.04	--	--	3724.27	--
RW-19	12/11/20	3799.31	75.16	--	--	3724.15	--
RW-19	1/26/21	3799.31	75.31	--	--	3724.00	--
RW-19	2/9/21	3799.31	75.31	--	--	3724.00	92.99
RW-19	3/25/21	3799.31	75.44	--	--	3723.87	--
RW-19	4/28/21	3799.31	75.51	--	--	3723.80	--
RW-19	5/20/21	3799.31	75.58	--	--	3723.73	--
RW-19	7/26/21	3799.31	75.71	--	--	3723.60	--
RW-19	8/12/21	3799.31	75.79	--	--	3723.52	92.92
RW-19	9/28/21	3799.31	75.89	--	--	3723.42	92.99
RW-19	10/25/21	3799.31	75.93	--	--	3723.38	92.99
RW-19	11/11/21	3799.31	75.98	--	--	3723.33	92.99
RW-19	1/28/22	3799.31	76.18	--	--	3723.13	92.99
RW-19	2/14/22	3799.31	76.23	--	--	3723.08	92.82
RW-19	3/14/22	3799.31	76.35	--	--	3722.96	92.82
RW-19	4/14/22	3799.31	76.42	--	--	3722.89	92.82
RW-19	5/6/22	3799.31	76.44	--	--	3722.87	92.82
RW-19	6/13/22	3799.31	76.56	--	--	3722.75	92.82
RW-19	7/27/22	3799.31	76.66	--	--	3722.65	92.82
RW-19	8/15/22	3799.31	76.71	--	--	3722.60	92.82
RW-19	11/9/22	3799.31	76.91	--	--	3722.40	92.82

Notes:
1. Monitoring well gauging data listed from June 2004 and 2011 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 corresponding monitoring well.
7. P&A - Plugged and Abandoned.
8. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimeter (g/cc).

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-1A	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-1A	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-1A	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-1A	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-1A	2/19/20	P&A	--	--	--
MW-1R	5/15/20	<0.000190	<0.000412	<0.00016	<0.000510
MW-1R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R (DUP 1)	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	8/13/21	<0.000190	<0.000412	<0.000160	**0.000745 J**
MW-1R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-1R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	11/9/22	<0.000190	<0.000412	**0.000386 J**	<0.000510
MW-2	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	2/19/20	P&A	--	--	--
MW-2R	5/15/20	<0.000190	<0.000412	<0.00016	<0.000510
MW-2R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R (Dup-2)	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R (DUP-1)	8/13/21	**0.000353 J**	<0.000412	<0.000160	<0.000510
MW-2R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-2R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	11/10/22	<0.000190	**0.000432 J**	**0.000323 J**	<0.000510
MW-3	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-3	10/15/14	P&A			
MW-3R	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R (DUP-2)	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	6/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-3R	3/3/17	**0.00137**	<0.00150	<0.00200	<0.00200
MW-3R	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-3R (DUP-1)	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-3R	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-3R	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-3R	3/1/18	**0.00300**	<0.00200	<0.00200	<0.00200
MW-3R	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-3R	8/28/18	<0.000190	<0.000412	<0.000160	**0.000576 J**
MW-3R	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R (Dup1)	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	7/25/19	<0.000190	<0.000412	**0.000262 J**	<0.000510
MW-3R	10/25/19	<0.000190	<0.000412	<0.000160	**0.000752 J**
MW-3R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/3/20	**0.000209 J**	**0.00137**	**0.002740**	**0.005390**
MW-3R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-3R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/9/22	<0.000190	**0.000428 J**	**0.000372 J**	<0.000510
MW-4	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-4	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	2/23/17	P&A	--	--	--
MW-4R	3/13/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-4R	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	2/28/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	7/25/19	<0.000190	<0.000412	**0.000215 J**	<0.000510
MW-4R	10/25/19	<0.000190	**0.000498 J**	<0.000160	**0.000839 J**
MW-4R	2/13/20	**0.000191 J**	<0.000412	<0.000160	<0.000510
MW-4R	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/3/20	<0.000190	<0.000412	**0.002080**	**0.003620**
MW-4R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R (Dup-1)	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-4R	8/16/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/9/22	<0.000190	**0.000427 J**	**0.000347 J**	<0.000510
MW-5	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	2/19/20	P&A	--	--	--
MW-5R	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-5R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-5R	8/16/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/9/22	<0.000190	<0.000412	**0.000352 J**	<0.000510
MW-6	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	2/27/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-6	5/29/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-6	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	2/19/20	P&A	--	--	--
MW-7	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	2/19/20	P&A	--	--	--
MW-7R	5/15/20	<0.000190	<0.000412	<0.000160	**0.00298**
MW-7R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/3/20	<0.000190	<0.000412	<0.000160	**0.00334**
MW-7R (DUP-1)	11/3/20	<0.000190	<0.000412	<0.000160	**0.00307**
MW-7R	2/23/21	<0.000190	<0.000412	<0.000160	**0.00299**
MW-7R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	8/13/21	<0.000190	<0.000412	<0.000160	**0.000755 J**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-7R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	2/15/22	<0.000190	<0.000412	<0.000160	**0.000872 J**
MW-7R	5/6/22	<0.00493	<0.000998	<0.000462	<0.00132
MW-7R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/9/22	<0.000190	<0.000412	**0.000338 J**	<0.000510
MW-8	3/2/11	<0.00100	<0.00100	**0.00760**	**0.0210**
MW-8	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	9/13/11	<0.00100	<0.00100	<0.00100	**0.00700**
MW-8	2/23/17	P&A	--	--	--
MW-8R	3/13/17	**0.0765**	**0.0791**	**0.0359**	**0.09080**
MW-8R	6/2/17	**0.389**	**0.248**	**0.140**	**0.425**
MW-8R (DUP-2)	6/2/17	**0.375**	**0.267**	**0.147**	**0.453**
MW-8R	8/30/17	**0.618**	**0.285**	**0.322**	**0.325**
MW-8R	11/30/17	**1.35**	**0.134**	**0.551**	**0.387**
MW-8R	3/1/18	**0.352**	**0.0146**	**0.0703**	**0.0696**
MW-8R	6/1/18	**0.0709**	**0.0101**	**0.0132**	**0.0209**
MW-8R	8/28/18	**0.921**	**0.604**	**0.324**	**0.705**
MW-8R	11/28/18	**0.623**	**0.297**	**0.325**	**0.546**
MW-8R	2/28/19	**0.0751**	**0.0121**	**0.00905**	**0.0263**
MW-8R	5/23/19	**0.190**	**0.0326**	**0.0788**	**0.158**
MW-8R (DUP-2)	5/23/19	**0.116**	**0.0201**	**0.0459**	**0.110**
MW-8R	7/25/19	**0.00664**	**0.00343**	**0.00415**	**0.0248**
MW-8R	10/25/19	**0.0338**	**0.00812**	**0.0108**	**0.0687**
MW-8R (Dup-2)	10/25/19	**0.0385**	**0.00766**	**0.0103**	**0.0858**
MW-8R	2/13/20	**0.0254**	<0.000412	**0.00280**	**0.0167**
MW-8R (Dup-2)	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	4/8/20	**0.0180**	<0.000412	**0.000507**	**0.00594**
MW-8R (DUP-2)	4/8/20	**0.0196**	<0.000412	**0.000636**	**0.00490**
MW-8R	5/15/20	**0.00295**	<0.000412	<0.000160	**0.00530**
MW-8R (DUP-2)	5/15/20	**0.00314**	<0.000412	<0.000160	**0.00548**
MW-8R	9/17/20	**0.00893**	<0.000412	<0.000160	<0.000510
MW-8R	11/3/20	**0.0245**	**0.00338**	**0.00382**	**0.0162**
MW-8R (DUP-2)	11/3/20	**0.0195**	**0.00196**	**0.00223**	**0.00924**
MW-8R	2/23/21	**0.0155**	**0.00326**	**0.00343**	**0.0114**
MW-8R	5/21/21	**0.0260**	<0.000412	**0.00228**	**0.00362**
MW-8R	8/13/21	**0.0573**	**0.00122**	**0.00251**	**0.00426**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-8R	11/12/21	**0.00443**	**0.000538 J**	**0.000238 J**	<0.000510
MW-8R (DUP-2)	11/12/21	**0.00575**	**0.000663 J**	**0.000246 J**	<0.000510
MW-8R	2/15/22	**0.0275**	**0.00182**	**0.00507**	**0.0147**
MW-8R (DUP-2)	2/15/22	**0.0206**	**0.00423**	**0.00349**	**0.0157**
MW-8R	5/6/22	**0.00629**	<0.000998	**0.000988 J**	**0.00136 J**
MW-8R	8/16/22	**0.000389 J**	<0.000412	**0.000164 J**	<0.000510
MW-8R	11/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	5/29/14	<0.00100	<0.00100	**0.00110**	**0.00390**
MW-9	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	6/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	2/19/20	P&A	--	--	--
MW-10	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	5/29/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-10	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	2/23/17	P&A	--	--	--
MW-10R	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-10R	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10R	8/30/17	**0.00256**	**0.00291**	<0.00200	<0.00200

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-10R	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10R	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-10R	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-10R	8/28/18	**0.000554**	**0.00101**	**0.000372 J**	<0.000510
MW-10R	11/28/18	**0.000400 J**	<0.000412	<0.000160	<0.000510
MW-10R	2/28/19	**0.000591**	**0.00152**	**0.000303 J**	<0.000510
MW-10R (DUP-1)	2/28/19	**0.000596**	**0.00153**	**0.000383 J**	<0.000510
MW-10R	5/23/19	**0.00119**	**0.00246**	**0.000805**	**0.0120**
MW-10R	7/25/19	<0.000190	<0.000412	**0.000503**	<0.000510
MW-10R	10/25/19	**0.000571**	**0.00169**	**0.000455 J**	**0.00155**
MW-10R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	8/13/21	<0.000190	**0.000511 J**	<0.000160	<0.000510
MW-10R (DUP-2)	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-10R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	2/19/20	P&A	--	--	--
MW-11R	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-11R	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-11R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/9/22	<0.000190	**0.000470 J**	**0.000349 J**	<0.000510
MW-12	12/1/11	**0.210**	<0.00500	**0.0147**	<0.00500
MW-12	6/7/12	**0.303**	**0.134**	**0.397**	**1.2**
MW-12	10/15/14	P&A			
MW-12R	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	6/5/15	<0.00100	<0.00100	**0.0129**	**0.00210**
MW-12R	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	12/3/15	<0.00100	<0.00100	**0.0015**	**0.00320**
MW-12R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	5/27/16	<0.00100	<0.00100	<0.00100	**0.00290**
MW-12R	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-12R	3/3/17	**0.00732**	<0.00150	<0.00200	**0.00417**
MW-12R	6/2/17	**0.0168**	<0.00200	<0.00200	**0.00364**
MW-12R	8/30/17	<0.00200	<0.00200	<0.00200	**0.00396J**
MW-12R (DUP-1)	8/30/17	<0.00200	<0.00200	**0.00158J**	**0.00291**
MW-12R	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R (DUP-1)	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R	3/1/18	**0.00618**	<0.00200	<0.00200	<0.00200
MW-12R	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R (DUP-1)	6/1/18	**0.00461**	<0.00200	<0.00200	**0.00290**
MW-12R	8/28/18	**0.000413 J**	**0.00102**	**0.000546**	<0.000510
MW-12R	11/28/18	<0.000190	<0.000412	**0.000386 J**	<0.000510
MW-12R	2/28/19	<0.000190	**0.00158**	**0.000554**	<0.000510
MW-12R	5/23/19	<0.000190	**0.00132**	**0.000627**	<0.000510
MW-12R	7/25/19	<0.000190	**0.000775 J**	**0.000405 J**	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-12R	10/25/19	<0.000190	**0.000953 J**	**0.000343 J**	**0.000574 J**
MW-12R	2/13/20	<0.000190	<0.000412	**0.000637**	<0.000510
MW-12R	5/15/20	**0.000833**	<0.000412	**0.00113**	<0.000510
MW-12R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12R	11/3/20	**0.001350**	**0.00342**	**0.00164**	**0.000928 J**
MW-12R	2/23/21	**0.000723**	**0.00279**	**0.00136**	**0.000757 J**
MW-12R	5/21/21	**0.000193 J**	<0.000412	**0.00160**	<0.000510
MW-12R	8/13/21	**0.000477 J**	<0.000412	**0.000740**	<0.000510
MW-12R	11/12/21	**0.000216 J**	**0.00121**	**0.000371 J**	<0.000510
MW-12R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-12R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12R	11/9/22	<0.000190	<0.000412	**0.000764**	**0.000633 J**
MW-13	2/19/20	P&A	--	--	--
MW-13R	5/15/2020	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R (DUP 1)	5/15/2020	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	5/21/21	**0.000832**	<0.000412	<0.000160	<0.000510
MW-13R	8/13/21	**0.00224**	<0.000412	<0.000160	<0.000510
MW-13R	11/12/21	**0.00171**	**0.00116**	**0.000406 J**	<0.000510
MW-13R (DUP-1)	11/12/21	**0.00182**	**0.00114**	**0.000406 J**	<0.000510
MW-13R	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R (DUP-1)	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-13R	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-13R	11/9/22	<0.000190	**0.000433 J**	**0.000342 J**	<0.000510
MW-14	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-14	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	2/27/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-14	5/29/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-14	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	6/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-14	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-14	8/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	2/28/19	<0.000190	**0.000423 J**	<0.000160	<0.000510
MW-14	5/23/19	**0.000217 J**	<0.000412	<0.000160	**0.000785 J**
MW-14	10/25/19	Dry	--	--	--
MW-14	2/13/20	Dry	--	--	--
MW-14	5/15/20	Dry	--	--	--
MW-14	9/17/20	Dry	--	--	--
MW-14	11/3/20	Dry	--	--	--
MW-14	2/23/21	Dry	--	--	--
MW-14	5/21/21	Dry	--	--	--

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-14	8/13/21	Dry	--	--	--
MW-15	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	2/27/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-15	5/29/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-15	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-15 (DUP-1)	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	6/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-15	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-15	8/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	11/28/18	<0.000190	**0.000441 J**	<0.000160	<0.000510
MW-15	2/28/19	<0.000190	**0.000451 J**	<0.000160	<0.000510
MW-15	5/23/19	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	7/25/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	10/25/19	<0.000190	<0.000412	<0.000160	**0.000829 J**
MW-15	2/13/20	Dry	--	--	--
MW-15	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	9/17/20	Dry	--	--	--
MW-15	11/3/20	Dry	--	--	--
MW-15	2/23/21	Dry	--	--	--
MW-15	5/21/21	Dry	--	--	--
MW-15	8/13/21	Dry	--	--	--
MW-16	3/2/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	12/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	2/27/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-16	5/29/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-16	9/3/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	6/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-16	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-16	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-16	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-16	8/28/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	11/28/18	**0.000316 J**	<0.000412	<0.000160	<0.000510
MW-16	2/28/19	**0.000235 J**	**0.000558 J**	<0.000160	**0.000898 J**
MW-16	5/23/19	**0.00101**	**0.00396**	**0.000825 B**	**0.0224**
MW-16	7/25/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	10/25/19	<0.000190	**0.000584 J**	<0.000160	**0.00195**
MW-16	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	9/17/20	Dry	--	--	--
MW-16	11/3/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16	5/21/21	Dry	--	--	--
MW-16	8/13/21	Dry	--	--	--
MW-17	3/3/17	**0.0131**	**0.00158**	**0.00699**	**0.0103**
MW-17	6/2/17	**0.0430**	**0.0172**	**0.0178**	**0.0904**
MW-17	8/30/17	**0.00190J**	**0.00477**	**0.00393**	**0.0209**
MW-17	11/30/17	**0.01170**	**0.00366**	**0.00381**	**0.0219**
MW-17	3/1/18	**0.00847**	**0.00223**	**0.00335**	**0.0146**
MW-17 (DUP-1)	3/1/18	**0.00877**	**0.00201**	**0.00343**	**0.0143**
MW-17	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-17	8/28/18	**0.00506**	**0.00176**	**0.00360**	**0.0217**
MW-17 (DUP-2)	8/28/18	**0.00794**	**0.00266**	**0.00559**	**0.0339**
MW-17	11/28/18	**0.00227**	**0.00165**	**0.00499**	**0.0273**
MW-17	2/28/19	**0.00385**	**0.00170**	**0.00764**	**0.0402**
MW-17	5/23/19	**0.000666**	**0.000472 J**	**0.00463**	**0.0331**
MW-17	7/25/19	**0.000692**	<0.000412	**0.00169**	**0.0163**
MW-17 (DUP-2)	7/25/19	**0.000456 J**	<0.000412	**0.00130**	**0.0128**
MW-17	10/25/19	<0.000190	<0.000412	<0.000160	**0.00137 J**
MW-17	2/13/20	<0.000190	<0.000412	**0.000663**	**0.00222**
MW-17 (DUP-1)	2/13/20	**0.0244**	<0.000412	**0.00222**	**0.0169**
MW-17	4/8/20	<0.000190	<0.000412	**0.000255 J**	**0.00288**
MW-17 (DUP-1)	4/8/20	<0.000190	<0.000412	**0.000318 J**	**0.00149 J**
MW-17	5/15/20	<0.000190	<0.000412	**0.000318 J**	**0.00324**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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-17	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-17	11/3/20	<0.000190	<0.000412	<0.000160	**0.00117 J**
MW-17	2/23/21	<0.000190	<0.000412	**0.000354 J**	**0.00439**
MW-17	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17	8/13/21	<0.000190	<0.000412	**0.000204 J**	**0.00283**
MW-17	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17	2/15/22	<0.000190	<0.000412	<0.000160	**0.00107 J**
MW-17	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-17	8/18/22	**0.000206 J**	<0.000412	<0.000160	<0.000510
MW-17	11/9/22	**0.000322 J**	<0.000412	**0.000264 J**	**0.000820 J**
MW-17 (DUP-1)	11/9/22	**0.000404 J**	<0.000412	**0.000343 J**	**0.00107 J**
MW-18	5/15/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	9/17/20	**0.000309 J**	<0.000412	<0.000160	<0.000510
MW-18	11/3/20	**0.000288 J**	<0.000412	<0.000160	<0.000510
MW-18	2/23/21	**0.000304 J**	<0.000412	<0.000160	<0.000510
MW-18	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-18	8/15/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	11/9/22	<0.000190	<0.000412	**0.000316 J**	<0.000510
RW-5	3/2/11	**0.00830**	<0.00100	**0.0206**	**0.0360**
RW-5	6/15/11	**0.0109**	<0.00100	<0.00100	<0.00100
RW-5	9/13/11	**0.0151**	**0.00850**	**0.247**	**0.382**
RW-5	12/1/11	<0.00100	**0.0478**	**0.354**	**0.758**
RW-5	3/7/12	**0.0548**	**0.0550**	**0.268**	**0.675**
RW-5	6/7/12	<0.00100	**0.0092**	**0.220**	**0.592**
RW-5	9/12/12	**0.0337**	<0.00100	**0.111**	**0.289**
RW-5	12/7/12	<0.00100	<0.00100	**0.0498**	**0.0488**
RW-5	3/7/13	<0.00100	<0.00100	**0.0294**	**0.0132**
RW-5	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
RW-5	11/14/13	<0.00100	<0.00100	<0.00100	<0.00100
RW-5	2/27/14	<0.00100	<0.00100	**0.0072**	<0.00300
RW-5	5/29/14	**0.00100**	<0.00100	**0.00250**	<0.00300
RW-5	9/3/14	<0.00100	<0.00100	**0.00140**	**0.00780**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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**
RW-5	3/5/15	<0.00500	<0.00500	<0.00500	<0.00500
RW-5	2/23/17	P&A	--	--	--
RW-5R	3/3/17	<0.00200	<0.00150	**0.00209**	**0.00723**
RW-5R	6/2/17	**0.00582**	**0.00430**	**0.00656**	**0.0295**
RW-5R	8/30/17	<0.00200	<0.00200	**0.00504**	**0.0580**
RW-5R (DUP-2)	8/30/17	<0.00200	<0.00200	**0.00484**	**0.0540**
RW-5R	11/30/17	<0.00200	**0.00219**	<0.00200	**0.0209**
RW-5R (DUP-2)	11/30/17	<0.00200	<0.00200	<0.00200	**0.0203**
RW-5R	3/1/18	<0.00200	<0.00200	<0.00200	**0.0101**
RW-5R (DUP-2)	3/1/18	<0.00200	<0.00200	<0.00200	**0.0111**
RW-5R	6/1/18	<0.00200	<0.00200	<0.00200	**0.0361**
RW-5R (DUP-2)	6/1/18	<0.00200	<0.00200	<0.00200	**0.0255**
RW-5R	8/28/18	**0.000574**	<0.000412	**0.000846**	**0.0100**
RW-5R (DUP-1)	8/28/18	**0.000615**	<0.000412	**0.000890**	**0.0110**
RW-5R	11/28/18	**0.00175**	<0.000412	**0.00286**	**0.0223**
RW-5R	2/28/19	**0.00325**	<0.000412	**0.00382**	**0.0412**
RW-5R	5/23/19	**0.00341**	**0.000517 J**	**0.00593**	**0.0634**
RW-5R	7/25/19	**0.00177**	<0.000412	**0.00482**	**0.0175**
RW-5R (DUP-1)	7/25/19	**0.00181**	<0.000412	**0.00507**	**0.0184**
RW-5R	10/25/19	**0.00104**	**0.000575 J**	**0.000704**	**0.00263**
RW-5R	2/13/20	**0.000901**	<0.000412	**0.000350**	**0.00313**
RW-5R	5/15/20	**0.000961**	<0.000412	<0.000160	**0.0366**
RW-5R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
RW-5R	11/3/20	<0.000190	<0.000412	<0.000160	**0.00420**
RW-5R	2/23/21	<0.000190	<0.000412	**0.000444 J**	**0.0232**
RW-5R	5/21/21	<0.000190	<0.000412	<0.000160	**0.00167**
RW-5R	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-5R	11/12/21	<0.000190	<0.000412	<0.000160	**0.00106 J**
RW-5R	2/15/22	<0.000190	<0.000412	<0.000160	**0.00377**
RW-5R	5/6/22	<0.000493	<0.000998	<0.000462	**0.00235 J**
RW-5R	8/16/22	<0.000190	<0.000412	<0.000160	<0.000510
RW-5R	11/10/22	<0.000190	<0.000412	**0.000193 J**	**0.00106 J**
RW-6	12/1/11	**0.0794**	**0.129**	**0.639**	**1.75**
RW-6	2/23/17	P&A	--	--	--
RW-7	3/13/17	<0.00200	<0.00150	**0.00222**	**0.0101**
RW-7	6/2/17	**0.00541**	**0.00255**	**0.00638**	**0.0145**

Table 2

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Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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**
RW-7	8/30/17	<0.00200	**0.00560**	**0.00500**	**0.00886**
RW-7	11/30/17	<0.00200	**0.00273**	**0.00340**	<0.00200
RW-7	3/1/18	<0.00200	**0.0109**	**0.00593**	**0.0262**
RW-7	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
RW-7	8/28/18	**0.000653**	<0.000412	<0.000160	**0.00820**
RW-7	11/28/18	**0.00119**	<0.000412	**0.00297**	**0.0211**
RW-7	2/28/19	**0.000838**	<0.000412	<0.000160	**0.00339**
RW-7	5/23/19	Dry	--	--	--
RW-7	7/25/19	Dry	--	--	--
RW-7	10/25/19	Dry	--	--	--
RW-7	2/13/20	Dry	--	--	--
RW-7	5/15/20	Dry	--	--	--
RW-7	9/17/20	Dry	--	--	--
RW-7	11/3/20	Dry	--	--	--
RW-7	2/23/21	Dry	--	--	--
RW-7	5/21/21	Dry	--	--	--
RW-7	8/13/21	Dry	--	--	--
RW-8	12/1/11	**1.21**	**1.57**	**0.685**	**2.55**
RW-8	6/7/12	**1.55**	**0.184**	**0.520**	**1.90**
RW-8	2/19/20	P&A	--	--	--
RW-10R	5/15/20	**0.372**	**0.223**	**0.0802**	**0.322**
RW-10R	9/17/20	**0.785**	**0.411**	**0.244**	**0.995**
Dup-1 (RW-10R)	9/17/20	**1.08**	**0.491**	**0.298**	**1.19**
RW-10R	2/23/21	LNAPL	--	--	--
RW-10R	5/21/21	LNAPL	--	--	--
RW-10R	8/13/21	LNAPL	--	--	--
RW-12	6/7/12	**0.303**	**0.134**	**0.397**	**1.20**
RW-12	2/19/20	P&A	--	--	--
RW-13	3/2/11	**1.21**	**0.910**	**0.914**	**2.15**
RW-13	12/1/11	**1.08**	**0.219**	**0.311**	**0.776**
RW-13	9/1/16	**0.0273**	<0.00100	**0.0179**	**0.0229**
RW-13	3/13/17	**0.00674**	<0.00150	**0.00578**	**0.0351**
RW-13	6/2/17	**0.0430**	**0.00584**	**0.0515**	**0.0499**
RW-13	8/30/17	**0.0749**	**0.00910**	**0.104**	**0.0743**
RW-13	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
RW-13	3/1/18	**0.0239**	**0.324**	**0.155**	**0.601**

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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**
RW-13	2/28/19	**0.00955**	<0.000412	<0.000160	<0.000510
RW-13	5/23/19	Dry	--	--	--
RW-13	7/25/19	Dry	--	--	--
RW-13	10/25/19	Dry	--	--	--
RW-13	2/13/20	Dry	--	--	--
RW-13	5/15/20	Dry	--	--	--
RW-13	9/17/20	Dry	--	--	--
RW-13	11/3/20	Dry	--	--	--
RW-13	2/23/21	Dry	--	--	--
RW-13	5/21/21	Dry	--	--	--
RW-13	8/13/21	Dry	--	--	--
RW-14	11/20/14	**0.052**	<0.00100	**0.0493**	**0.0123**
RW-14	3/5/15	**0.0756**	<0.00100	**0.0663**	**0.0217**
RW-14	8/13/15	<0.00100	<0.00100	<0.00100	**0.00100**
RW-14	12/3/15	**0.0217**	<0.00100	<0.00100	**0.00240**
RW-14	2/11/16	**0.112**	<0.00100	**0.0588**	**0.00650**
RW-14	5/27/16	**0.0653**	<0.00100	**0.0129**	**0.00590**
RW-14	9/1/16	**0.133**	<0.00100	**0.0212**	**0.01830**
RW-14	11/4/16	**0.146**	<0.00100	**0.0209**	**0.01150**
RW-14 (DUP-1)	11/4/16	**0.151**	<0.00100	**0.0208**	**0.01150**
RW-14	3/3/17	**0.0625**	**0.00189**	**0.0179**	**0.01760**
RW-14	6/2/17	**0.0751**	<0.00200	**0.0303**	**0.0397**
RW-14	8/30/17	**0.0103**	<0.00200	<0.00200	**0.00391**
RW-14	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
RW-14	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
RW-14	6/1/18	<0.00200	<0.00200	<0.00200	<0.00200
RW-14	8/28/18	<0.000190	<0.000412	**0.000392 J**	<0.000510
RW-14	11/28/18	<0.000190	**0.000877 J**	<0.000160	<0.000510
RW-14 (Dup2)	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	2/28/19	**0.000963**	**0.00132**	**0.000419 J**	**0.000592 J**
RW-14 (DUP-2)	2/28/19	**0.000859**	**0.00127**	**0.000356 J**	<0.000510
RW-14	5/23/19	**0.00100**	**0.00109**	**0.000595**	<0.000510
RW-14 (DUP-1)	5/23/19	**0.000950**	**0.00122**	**0.000702**	<0.000510
RW-14	7/25/19	**0.00373**	**0.00241**	**0.00121**	**0.00260**
RW-14	10/25/19	**0.00355**	**0.00204**	**0.00120**	**0.00159**
RW-14 (Dup-1)	10/25/19	**0.00309**	**0.00112**	**0.000811**	**0.00125 J**

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Lea County, New Mexico
NMOCD AP-007

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**
RW-14	2/13/20	**0.00158**	<0.000412	**0.000912**	<0.000510
RW-14	5/15/20	**0.000464 J**	**0.00112**	**0.000461 J**	**0.00123 J**
RW-14	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	11/3/20	<0.000190	**0.000623 J**	**0.000219 J**	<0.000510
RW-14	2/23/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	2/15/22	<0.000190	<0.000412	<0.000160	<0.000510
RW-14	5/6/22	<0.00493	<0.000998	<0.000462	<0.00132
RW-14	8/15/22	<0.000190	**0.000546 J**	<0.000160	<0.000510
RW-14	11/10/22	**0.000486 J**	**0.00159**	**0.000381 J**	<0.000510
RW-15	11/20/14	**0.0101**	**0.0117**	**0.0122**	**0.128**
RW-15	3/5/15	**0.0262**	**0.0059**	**0.0495**	**0.120**
RW-15	6/5/15	**0.0714**	<0.00100	**0.0539**	**0.0345**
RW-15 (DUP-1)	6/5/15	**0.0823**	<0.00100	**0.0726**	**0.0355**
RW-15	8/13/15	**0.325**	**0.0908**	**0.1630**	**0.763**
RW-15	8/13/15	**0.315**	**0.0887**	**0.1760**	**0.761**
RW-15	12/3/15	**0.413**	**0.0962**	**0.2200**	**0.455**
RW-15 (DUP-1)	12/3/15	**0.422**	**0.1050**	**0.1780**	**0.423**
RW-15	2/11/16	**0.250**	<0.0500	**0.3250**	**0.279**
RW-15 (DUP-1)	2/11/16	**0.282**	<0.0500	**0.2250**	**0.247**
RW-15	5/27/16	**0.120**	<0.00100	**0.0506**	**0.0396**
RW-15 (DUP-1)	5/27/16	**0.116**	**0.00590**	**0.0494**	**0.0564**
RW-15	9/1/16	**0.0762**	**0.00370**	**0.0548**	**0.111**
RW-15 (DUP-1)	9/1/16	**0.0672**	**0.00290**	**0.0498**	**0.0992**
RW-15	11/4/16	**0.0138**	<0.00100	**0.0059**	**0.0111**
RW-15	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
RW-15 (DUP-1)	3/3/17	<0.00200	<0.00150	<0.00200	<0.00200
RW-15	6/2/17	<0.00200	<0.00200	<0.00200	<0.00200
RW-15	8/30/17	<0.00200	<0.00200	<0.00200	**0.00802**
RW-15	11/30/17	<0.00200	<0.00200	<0.00200	<0.00200
RW-15	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
RW-15	6/1/18	<0.00200	<0.00200	<0.00200	**0.00216**
RW-15	8/28/18	**0.000461 J**	**0.000414 J**	**0.000413 J**	**0.00110 J**
RW-15	11/28/18	<0.000190	<0.000412	<0.000160	<0.000510

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Plains All American Pipeline, L.P.
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Lea County, New Mexico
NMOCD AP-007

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**
RW-15	2/28/19	**0.000332**	**0.00134**	**0.000641**	**0.00167**
RW-15	5/23/19	<0.000190	**0.00131**	**0.000354**	**0.00195**
RW-15	7/25/19	**0.000707**	**0.00192**	**0.000801**	**0.00401**
RW-15	10/25/19	**0.000631**	**0.00165**	**0.000707**	**0.00209**
RW-15	2/13/20	<0.000190	<0.000412	**0.000738**	<0.000510
RW-15	5/15/20	<0.000190	<0.000412	**0.000554**	**0.00272**
RW-15	9/17/20	**0.000885**	<0.000412	<0.000160	<0.000510
Dup-2 (RW-15)	9/17/20	<0.000190	**0.00117**	**0.000593**	<0.000510
RW-15	11/3/20	**0.00110**	**0.00129**	**0.000854**	**0.000620 J**
RW-15	2/23/21	**0.00386 J**	**0.00112**	**0.000534**	**0.00110 J**
RW-15	5/21/21	<0.000190	<0.000412	**0.000262 J**	<0.000510
RW-15	8/13/21	<0.000190	<0.000412	**0.000302 J**	<0.000510
RW-15	11/12/21	<0.000190	<0.000412	**0.000330 J**	<0.000510
RW-15	2/15/22	**0.000202 J**	<0.000412	**0.000377 J**	<0.000510
RW-15	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
RW-15	8/16/22	**0.000367 J**	**0.000943 J**	**0.000350 J**	<0.000510
RW-15	11/10/22	**0.000244 J**	<0.000412	**0.000245 J**	<0.000510
RW-15 (DUP-2)	11/10/22	<0.000190	<0.000412	**0.000279 J**	**0.000522 J**
RW-16	3/3/17	**0.0221**	**0.0608**	**0.0514**	**0.193**
RW-16	2/13/20	LNAPL	--	--	--
RW-16	5/15/20	LNAPL	--	--	--
RW-16	9/17/20	LNAPL	--	--	--
RW-16	11/3/20	LNAPL	--	--	--
RW-16	2/23/21	LNAPL	--	--	--
RW-16	5/21/21	LNAPL	--	--	--
RW-16	8/13/21	LNAPL	--	--	--
RW-17	3/3/17	**0.0702**	**0.157**	**0.127**	**0.37**
RW-17	2/13/20	LNAPL	--	--	--
RW-17	5/15/20	LNAPL	--	--	--
RW-17	9/17/20	LNAPL	--	--	--
RW-17	11/3/20	LNAPL	--	--	--
RW-17	2/23/21	LNAPL	--	--	--
RW-17	5/21/21	LNAPL	--	--	--
RW-17	8/13/21	LNAPL	--	--	--
RW-19	5/15/20	<0.000190	**0.000467 J**	**0.000889**	**0.0062**
RW-19	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510

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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**
RW-19	11/3/20	<0.000190	<0.000412	**0.000388 J**	**0.001820**
RW-19	2/23/21	**0.00227**	<0.000412	**0.00147**	**0.00777**
RW-19	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-19 (DUP 2)	5/21/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-19	8/13/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-19	11/12/21	<0.000190	<0.000412	<0.000160	<0.000510
RW-19	2/15/22	**0.000213 J**	<0.000412	<0.000160	**0.00119 J**
RW-19	5/6/22	<0.000493	<0.000998	<0.000462	<0.00132
RW-19	8/18/22	<0.000190	<0.000412	<0.000160	<0.000510
RW-19	11/10/22	<0.000190	**0.000536 J**	**0.000540**	<0.000510
Trip Blank	3/1/18	<0.00200	<0.00200	<0.00200	<0.00200
Trip Blank	8/28/18	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/28/19	**0.000371 J**	**0.00110**	<0.000160	**0.000948 J**
Equip Blank	11/10/22	<0.000190	**0.000464 J**	**0.000342 J**	<0.000510

Notes:
1. Sample results listed prior to March 2011 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. -- - No analytical data reported for corresponding date.
12. P&A - Plugged and Abandoned.

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	Pyrene	Phenanthrene	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-1A	12/3/08	<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-1A	12/1/09	<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	**0.000974**	<0.000183	<0.000183
MW-1A	11/20/14	<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	<0.00195	<0.000195
P&A																				
MW-1R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-1R	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-2	12/3/08	<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	12/1/09	<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
P&A																				
MW-2R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-2R	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-3	12/3/08	<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-3	12/1/09	<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
P&A																				
MW-3R	12/3/15	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-3R	11/4/16	<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	<0.000184	<0.000184	<0.000184
MW-4	12/3/08	<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	0.000209	<0.000183	<0.000183	<0.000183	<0.000183
MW-4	12/1/09	<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
P&A																				
MW-4R	11/30/17	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000382	<0.000191	<0.000191
MW-4R	11/28/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000284 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.0000987 B J**	<0.00000821	<0.00000902
MW-5	12/3/08	<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-5	12/1/09	<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
P&A																				
MW-5R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-5R	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-6	12/3/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000285**	<0.000183	<0.000183	<0.000183	**0.000391**	<0.000183	<0.000183	<0.000183	<0.000183
MW-6	12/1/09	<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-6	12/1/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
P&A																				
MW-7	12/3/08	<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-7	12/1/09	<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
P&A																				
MW-7R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-7R	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-8	12/3/08	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	**0.00451**	<0.000192	**0.00604**	<0.000192	**0.00597**	<0.000192	**0.00205**	**0.0108**	**0.00967**
MW-8	12/1/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.00402**	<0.000917	**0.0617**	<0.000917	**0.00241**	<0.000917	<0.000917	<0.000917	<0.000917
P&A																				

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	Pyrene	Phenanthrene	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-8R	11/30/17	<0.000190	**0.000190**	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.000789**	<0.000190	**0.000323**	<0.000190	**0.000540**	<0.000190	**0.0108**	---	---
MW-8R	11/28/18	**0.000147**	**0.000210**	<0.0000120	<0.00000410	<0.0000116	**0.00000390 J**	<0.00000227	<0.0000136	**0.0000108 J**	<0.00000396	**0.00207**	<0.0000157	**0.00151**	<0.0000148	**0.00166**	<0.0000117	**0.0311**	**0.0245**	**0.0249**
MW-8R	10/25/19	**0.0000497 J**	**0.000113**	<0.000012	<0.0000041	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.000473**	<0.000015	**0.000349**	<0.0000148	**0.000535**	**0.0000117 J**	**0.00112**	**0.00106**	**0.000356**
MW-8R	11/3/20	<0.0000190	**0.0000311 J**	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	**0.000231**	0	**0.0000834**	<0.0000158	<0.0000180	<0.0000169	**0.000106 J**	<0.0000687	<0.0000674
MW-9	12/3/08	<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	12/1/09	<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
P&A																				
MW-10	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-10	12/1/09	<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
P&A																				
MW-10R	11/30/17	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000189	<0.000378	<0.000189	<0.000189
MW-10R	11/28/18	**0.0000152 J**	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000540 B J**	<0.0000157	<0.00000850	<0.0000148	**0.0000185 J**	<0.0000117	**0.000157 B J**	<0.00000821	<0.00000902
MW-11	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-11	12/1/09	<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
P&A																				
MW-11R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-11R	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-12	12/3/08	<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	12/1/09	<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
P&A																				
MW-12R	11/20/14	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-12R	12/3/15	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-12R	11/28/18	<0.0000140	**0.0000496 J**	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.000426**	<0.0000157	<0.00000850	<0.0000148	**0.0000646**	<0.0000117	**0.000143 B J**	**0.0000292 J**	**0.0000282 J**
MW-13	12/3/08	<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-13	12/1/09	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201	<0.000201
P&A																				
MW-13R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-13R	11/12/21	<0.0000190	**0.000109**	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	**0.000598**	0	<0.0000169	<0.0000158	**0.000215**	<0.0000169	**0.000205 J**	**0.00069**	**0.0000798 J**
MW-14	12/3/08	<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-14	12/1/09	<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-15	12/3/08	<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-15	12/2/09	<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	12/3/08	<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	12/1/09	<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-17	11/30/17	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000373	**0.000304**	**0.000524**
MW-17	11/28/18	<0.0000280	<0.0000200	<0.0000240	<0.00000820	<0.0000232	<0.00000424	<0.00000454	<0.0000272	<0.0000216	<0.00000792	**0.0000407 J**	<0.0000314	<0.0000170	<0.0000296	<0.0000164	<0.0000234	**0.000202 B J**	**0.0000304 J**	<0.0000180
MW-18	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-18	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

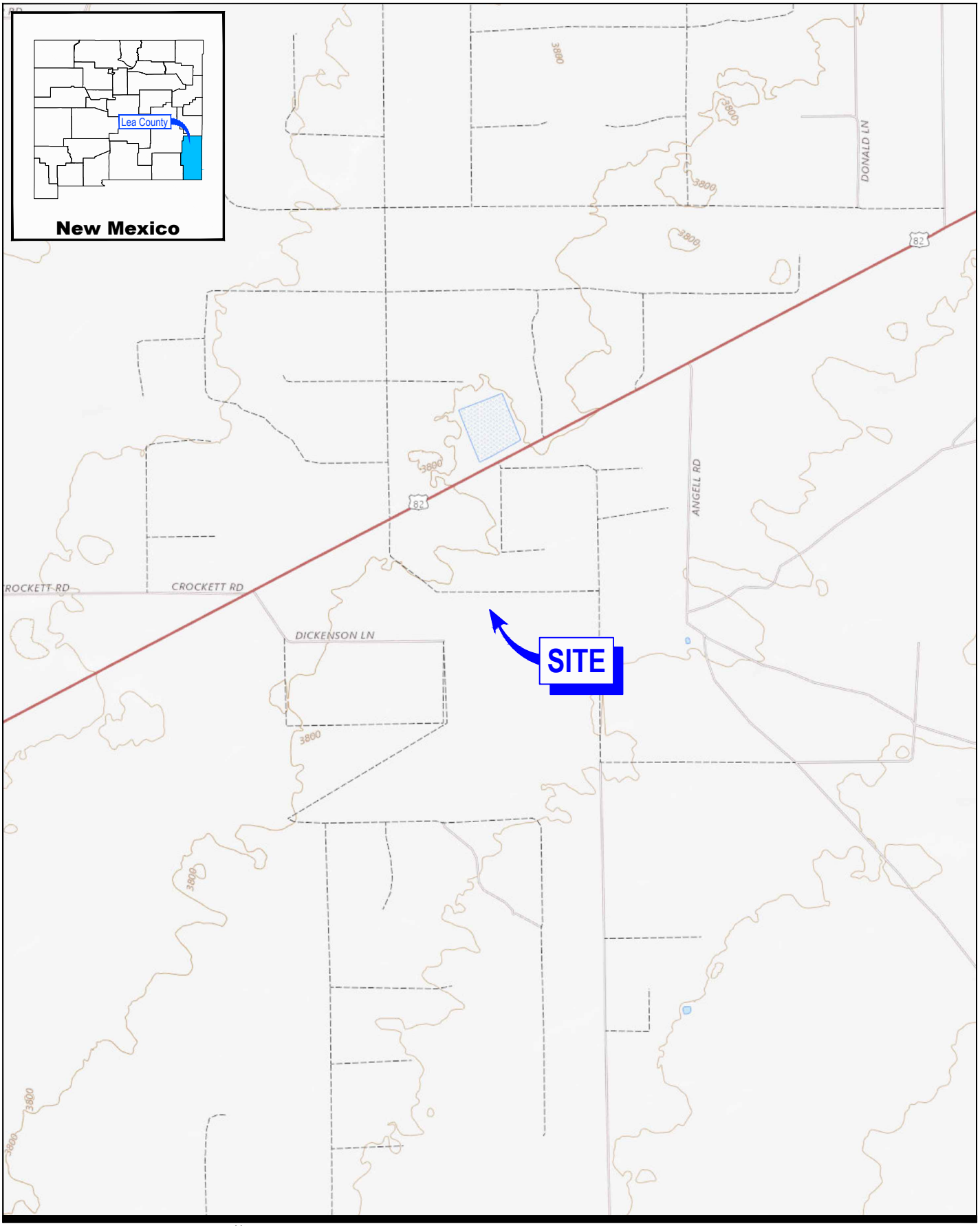
Monitoring Well ID	Sample Date	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Pyrene	Phenanthrene	Naphthalene	1-Methylnaphthalene	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**		
RW-1	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00414**	<0.000184	**0.00669**	<0.000184	**0.0084**	<0.000184	**0.0278**	**0.0518**	**0.0478**
P&A																				
RW-2	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0115**	<0.000184	**0.019**	<0.000184	**0.0227**	<0.000184	**0.0656**	**0.166**	**0.153**
RW-2	12/2/09	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	**0.145**	<0.00461	**0.248**	<0.00461	**0.336**	<0.00461	**0.808**	**2.17**	**3.02**
P&A																				
RW-5	12/3/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00133**	<0.000183	**0.00148**	<0.000183	0.000841	<0.000183	**0.0254**	**0.0160**	**0.0144**
RW-5	12/2/09	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	**0.000674**	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	**0.00763**	**0.00624**	**0.00263**
RW-5	12/7/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00171**	<0.000190	<0.000190	<0.000190	0.00213	<0.000190	**0.013**	**0.0137**	**0.00994**
P&A																				
RW-5R	11/30/17	<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	<0.000366	---	---
RW-5R	11/28/18	**0.0000170 J**	**0.000197**	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00163**	<0.0000157	**0.0000252 J**	<0.0000148	**0.00112**	<0.0000117	**0.000329 B**	**0.000480**	**0.0000800 J**
RW-5R	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	**0.0000251 J**	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
RW-5R	11/12/21	<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	<0.000366	<0.0000687	<0.0000674
RW-6	12/2/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00257**	<0.000183	**0.00340**	<0.000183	**0.00476**	<0.000183	**0.0382**	**0.0445**	**0.0553**
RW-6	11/23/10	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00378**	<0.000183	**0.00513**	<0.000183	<0.000183	<0.000183	**0.0486**	**0.0529**	**0.0633**
RW-6	12/1/11	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
P&A																				
RW-7	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0118**	<0.000184	**0.0179**	<0.000184	**0.0232**	<0.000184	**0.0942**	**0.172**	**0.158**
RW-7	12/2/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0240**	<0.000183	**0.0400**	<0.000183	**0.0570**	<0.000183	**0.172**	**0.408**	**0.506**
RW-7	11/30/17	**0.00140**	**0.00185**	**0.000956**	**0.00311**	**0.00124**	<0.000187	<0.000187	<0.000187	**0.00254**	<0.000187	**0.00258**	**0.000846**	**0.00505**	<0.000187	**0.0112**	**0.000932**	**0.00324**	**0.00775**	**0.00136**
RW-7	11/28/18	<0.0000420	**0.000841**	<0.0000360	**0.00204**	<0.0000348	**0.000420**	**0.000333**	<0.0000408	**0.000939**	<0.0000119	**0.00115**	<0.0000471	**0.00239**	<0.0000444	**0.00557**	**0.00183**	**0.00165**	**0.00310**	**0.00270**
Dry																				
RW-8	12/3/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00891**	<0.000183	**0.0128**	<0.000183	**0.0164**	<0.000183	**0.0496**	**0.115**	**0.106**
RW-8	12/2/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00772**	<0.000183	**0.0106**	<0.000183	**0.0145**	<0.000183	**0.0534**	**0.102**	**0.128**
P&A																				
RW-9	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00642**	<0.000184	**0.00907**	<0.000184	**0.0112**	<0.000184	**0.0574**	**0.0859**	**0.0791**
RW-9	12/2/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0320**	<0.000917	**0.0488**	<0.000917	**0.0679**	<0.000917	**0.215**	**0.473**	**0.625**
LNAPL																				
RW-10	12/3/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0193**	<0.000183	**0.0265**	<0.000183	**0.0346**	<0.000183	**0.121**	**0.279**	**0.257**
P&A																				
RW-11	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00494**	<0.000184	**0.0076**	<0.000184	**0.0093**	<0.000184	**0.053**	**0.066**	**0.0609**
LNAPL																				
RW-12	12/3/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0143**	<0.000183	**0.0193**	<0.000183	**0.0242**	<0.000183	**0.11**	**0.198**	**0.182**
RW-12	12/2/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0081**	<0.000184	**0.0127**	<0.000184	**0.0182**	<0.000184	**0.049**	**0.112**	**0.141**
P&A																				
RW-13	12/3/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00409**	<0.000184	**0.0131**	<0.000184	**0.0187**	<0.000184	**0.0234**	<0.000184	**0.0608**	**0.139**	**0.128**
RW-13	12/2/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000891**	<0.000183	**0.0013**	<0.000183	**0.00156**	<0.000183	**0.00094**	**0.00489**	**0.00337**
RW-13	11/30/17	**0.00299**	**0.00345**	**0.00227**	**0.00573**	**0.000502**	**0.000718**	**0.000692**	**0.000996**	**0.00396**	**0.000279**	**0.00792**	**0.00179**	**0.0115**	**0.000277**	**0.0205**	**0.00262**	**0.00741**	**0.0303**	**0.00513**

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 4 SRS #2001-10876
Lea County, New Mexico
NMOCD AP-007

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	Pyrene	Phenanthrene	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**		
Dry																				
RW-14	11/20/14	<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
RW-14	12/3/15	<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
RW-15	11/20/14	<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	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
RW-15	12/3/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	**0.00098**	<0.000200	**0.00103**	<0.000200	**0.000442**	<0.000200	**0.00952**	**0.0111**	**0.00569**
RW-15	11/4/16	<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	<0.000184	<0.000184	<0.000184
RW-15	11/30/17	<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	<0.000366	<0.000183	<0.000183
RW-19	11/3/20	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	<0.0000191	0	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
RW-19	11/12/21	<0.0000190	<0.0000190	1	<0.0000203	4	<0.0000168	<0.0000184	2	<0.0000179	<0.0000160	**0.0000372 J**	0	**0.0000203 J**	<0.0000158	**0.00014**	<0.0000169	<0.0000180	**0.0000757 J**	<0.0000674

Notes:
1. Sample results listed prior to March 2011 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 Standards.
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 0.003 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.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

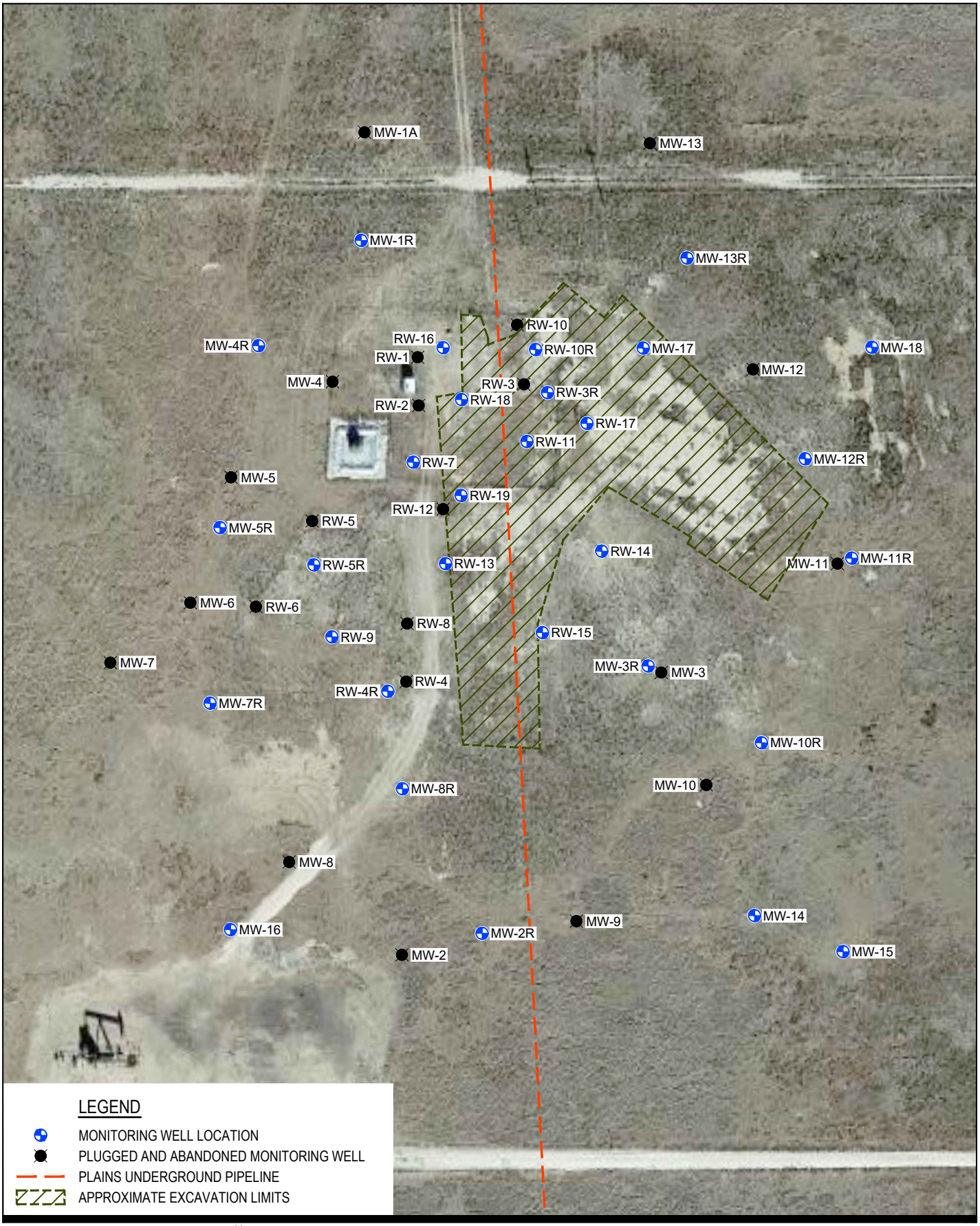
Project No. **12572710**
Date **March 2023**

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: USGS 7.5 Minute Quad "Prairieview, New Mexico"
Lat/Long: 33.0264° North, 103.1667° West



0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

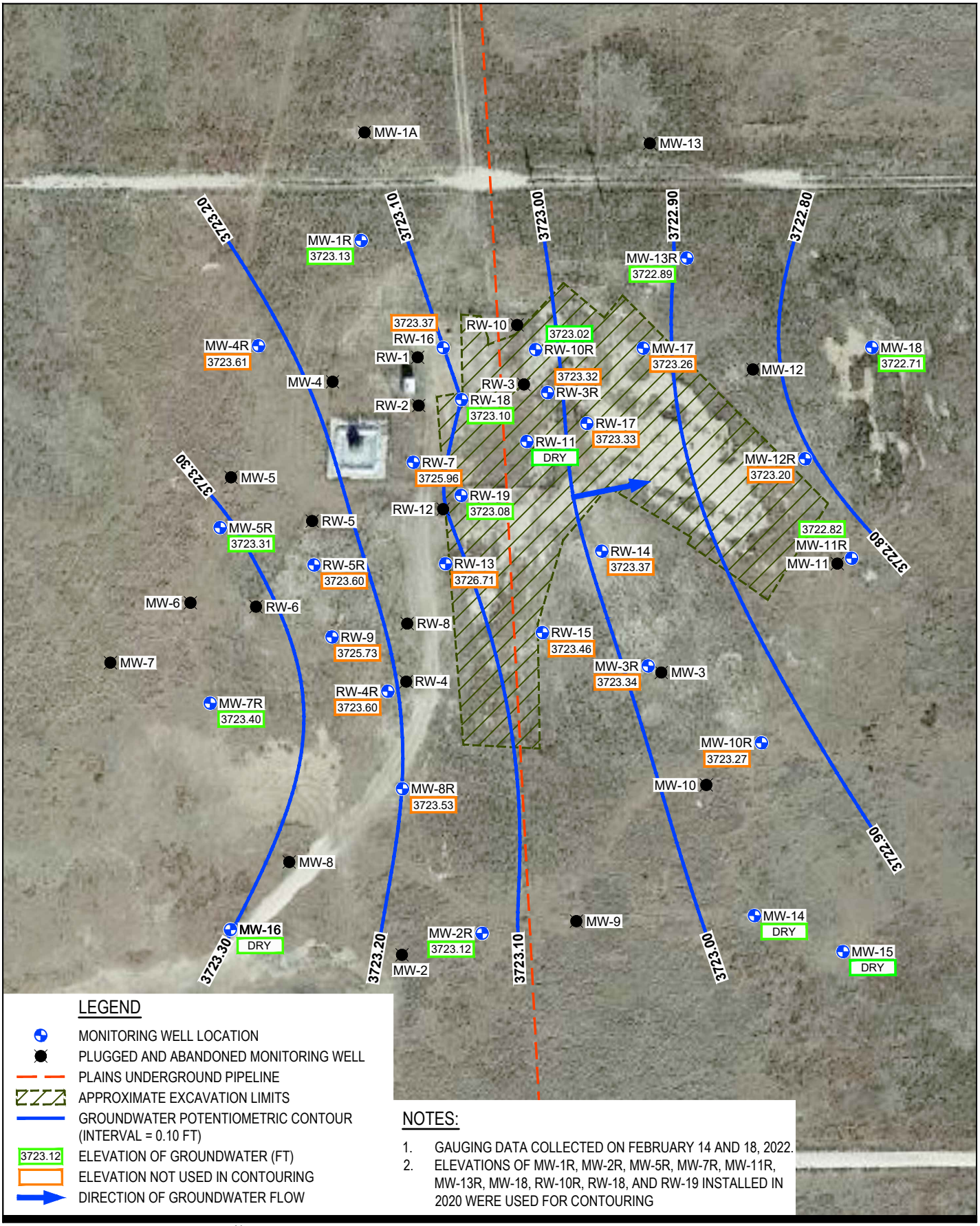
Project No. **12572710**
Date **March 2023**

SITE DETAILS MAP

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.10 FT)
- 3723.12 ELEVATION OF GROUNDWATER (FT)
- ELEVATION NOT USED IN CONTOURING
- DIRECTION OF GROUNDWATER FLOW

NOTES:

1. GAUGING DATA COLLECTED ON FEBRUARY 14 AND 18, 2022.
2. ELEVATIONS OF MW-1R, MW-2R, MW-5R, MW-7R, MW-11R, MW-13R, MW-18, RW-10R, RW-18, AND RW-19 INSTALLED IN 2020 WERE USED FOR CONTOURING

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

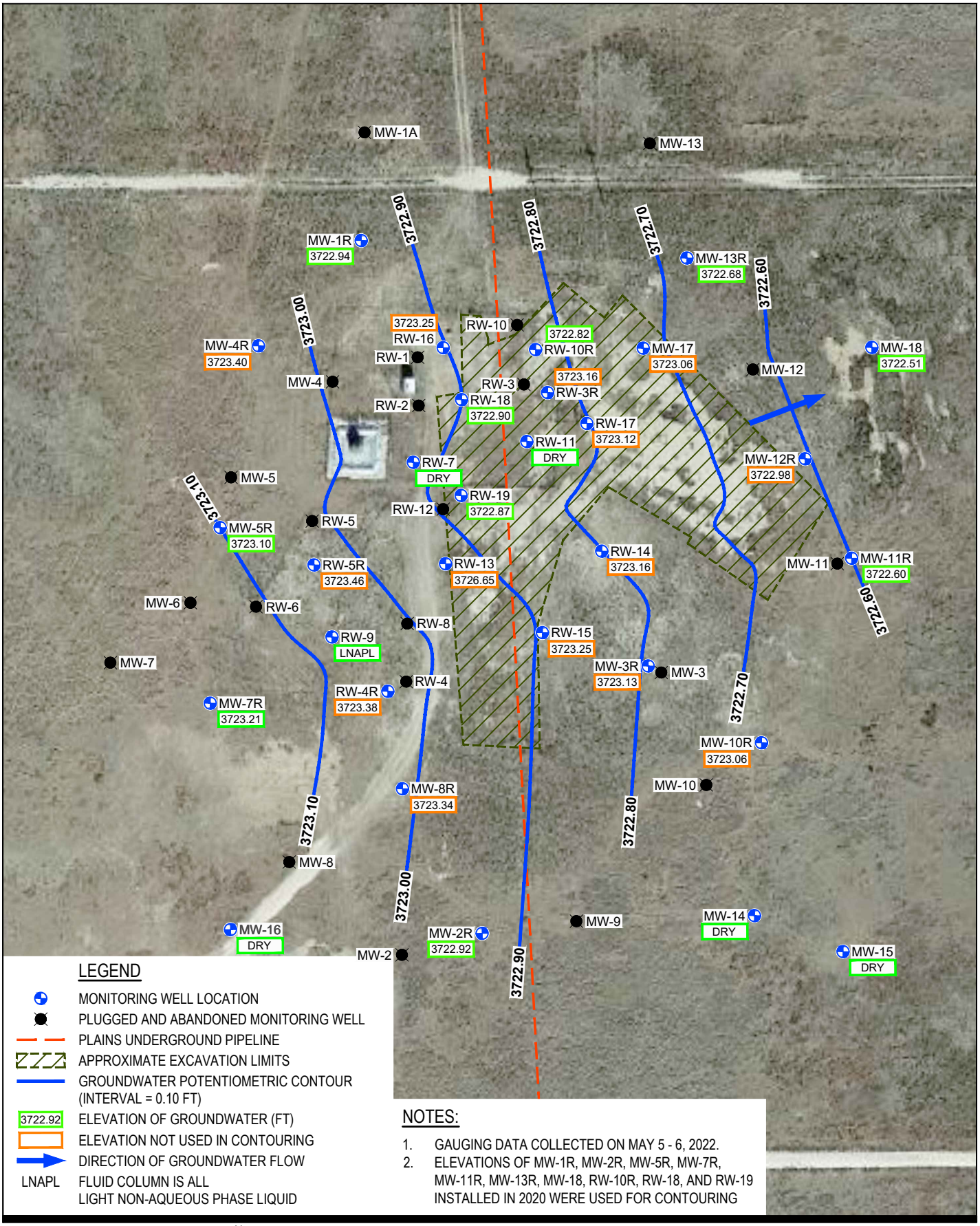
GROUNDWATER GRADIENT MAP
FEBRUARY 14 AND 18, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 3

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.10 FT)
- 3722.92 ELEVATION OF GROUNDWATER (FT)
- ELEVATION NOT USED IN CONTOURING
- DIRECTION OF GROUNDWATER FLOW
- LNAPL FLUID COLUMN IS ALL LIGHT NON-AQUEOUS PHASE LIQUID

NOTES:

1. GAUGING DATA COLLECTED ON MAY 5 - 6, 2022.
2. ELEVATIONS OF MW-1R, MW-2R, MW-5R, MW-7R, MW-11R, MW-13R, MW-18, RW-10R, RW-18, AND RW-19 INSTALLED IN 2020 WERE USED FOR CONTOURING

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

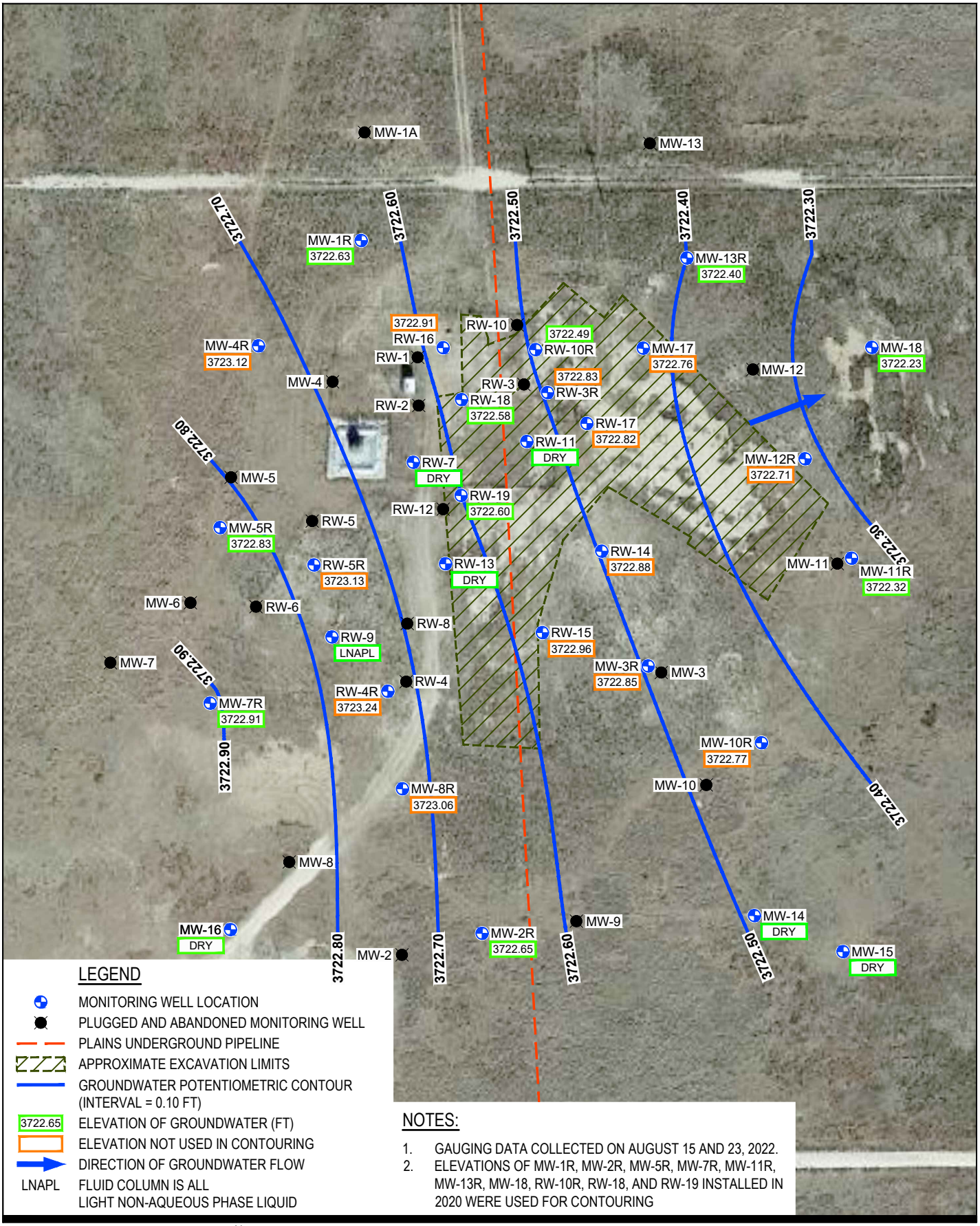
GROUNDWATER GRADIENT MAP
MAY 5 - 6, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 4

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.10 FT)
- 3722.65 ELEVATION OF GROUNDWATER (FT)
- ELEVATION NOT USED IN CONTOURING
- DIRECTION OF GROUNDWATER FLOW
- LNAPL FLUID COLUMN IS ALL LIGHT NON-AQUEOUS PHASE LIQUID

NOTES:

1. GAUGING DATA COLLECTED ON AUGUST 15 AND 23, 2022.
2. ELEVATIONS OF MW-1R, MW-2R, MW-5R, MW-7R, MW-11R, MW-13R, MW-18, RW-10R, RW-18, AND RW-19 INSTALLED IN 2020 WERE USED FOR CONTOURING

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

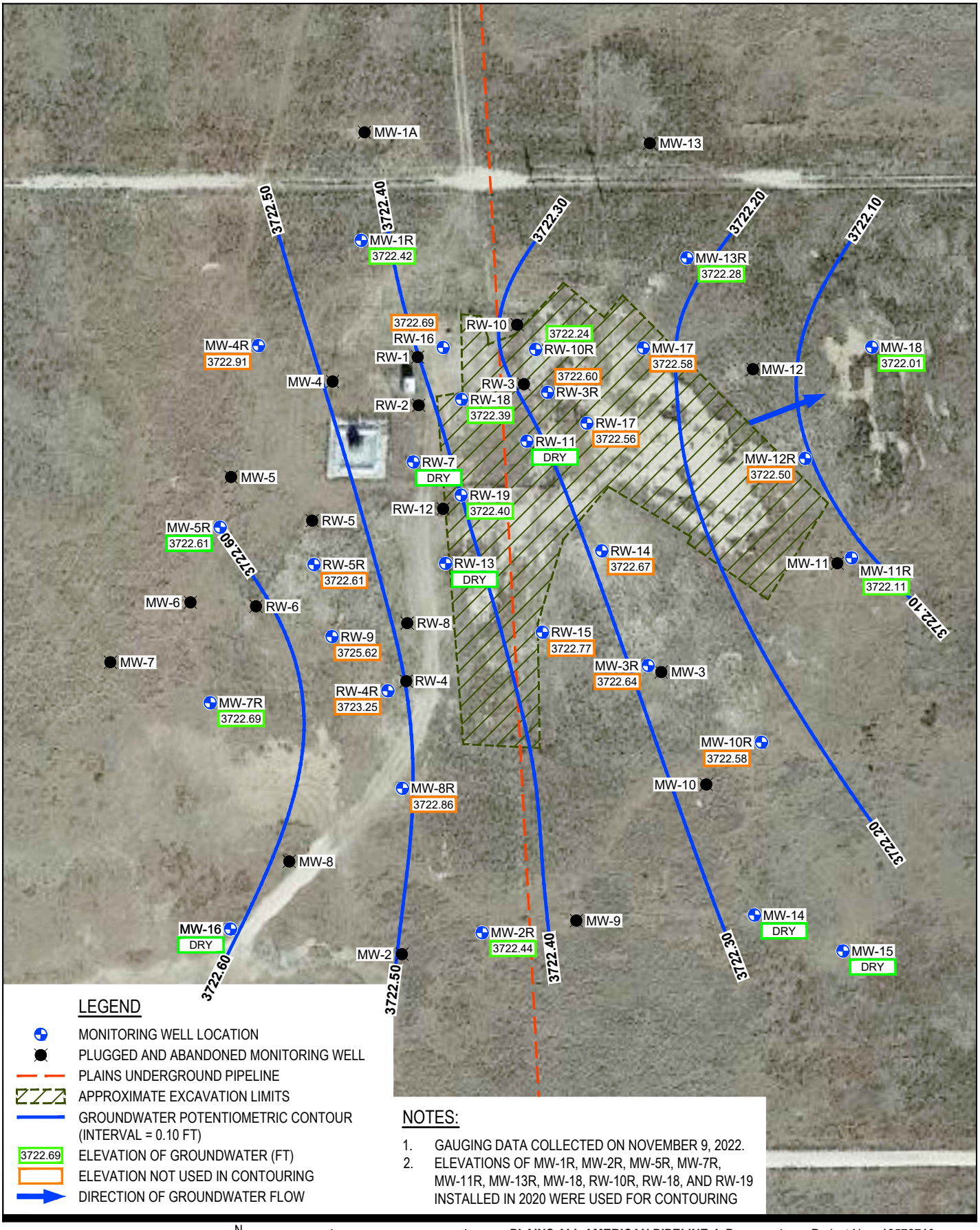
GROUNDWATER GRADIENT MAP
AUGUST 15 AND 23, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 5

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.10 FT)
- 3722.69 ELEVATION OF GROUNDWATER (FT)
- ELEVATION NOT USED IN CONTOURING
- DIRECTION OF GROUNDWATER FLOW

NOTES:

1. GAUGING DATA COLLECTED ON NOVEMBER 9, 2022.
2. ELEVATIONS OF MW-1R, MW-2R, MW-5R, MW-7R, MW-11R, MW-13R, MW-18, RW-10R, RW-18, AND RW-19 INSTALLED IN 2020 WERE USED FOR CONTOURING

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER GRADIENT MAP
NOVEMBER 9, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 6

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
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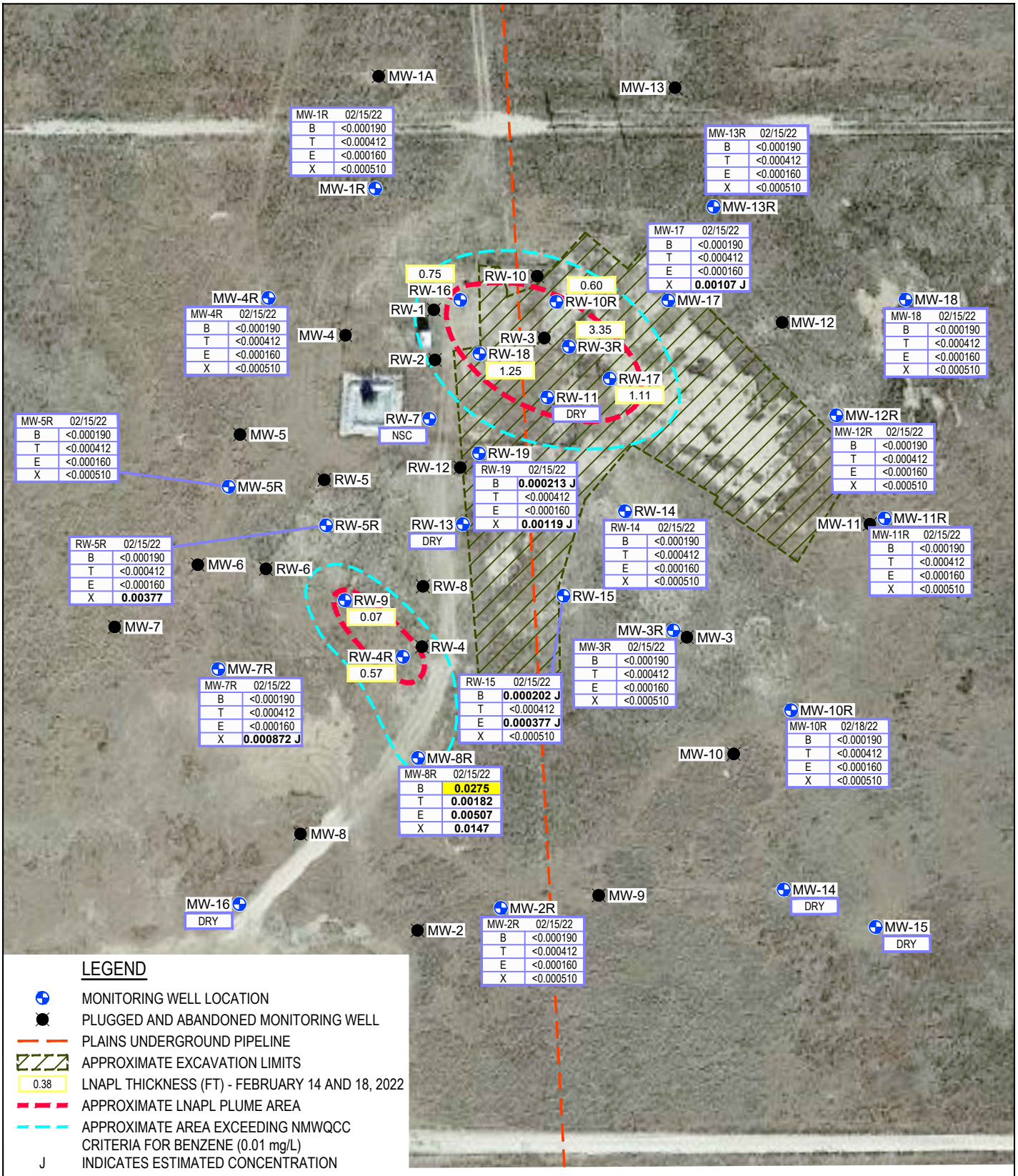
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- 0.38 LNAPL THICKNESS (FT) - FEBRUARY 14 AND 18, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-7R	02/15/22	DATE SAMPLED
BENZENE	B	0.0275	RESULT (mg/L)
TOLUENE	T	0.00182	
ETHYLBENZENE	E	0.00507	
XYLENES	X	0.0147	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON FEBRUARY 15, 2022.
2. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

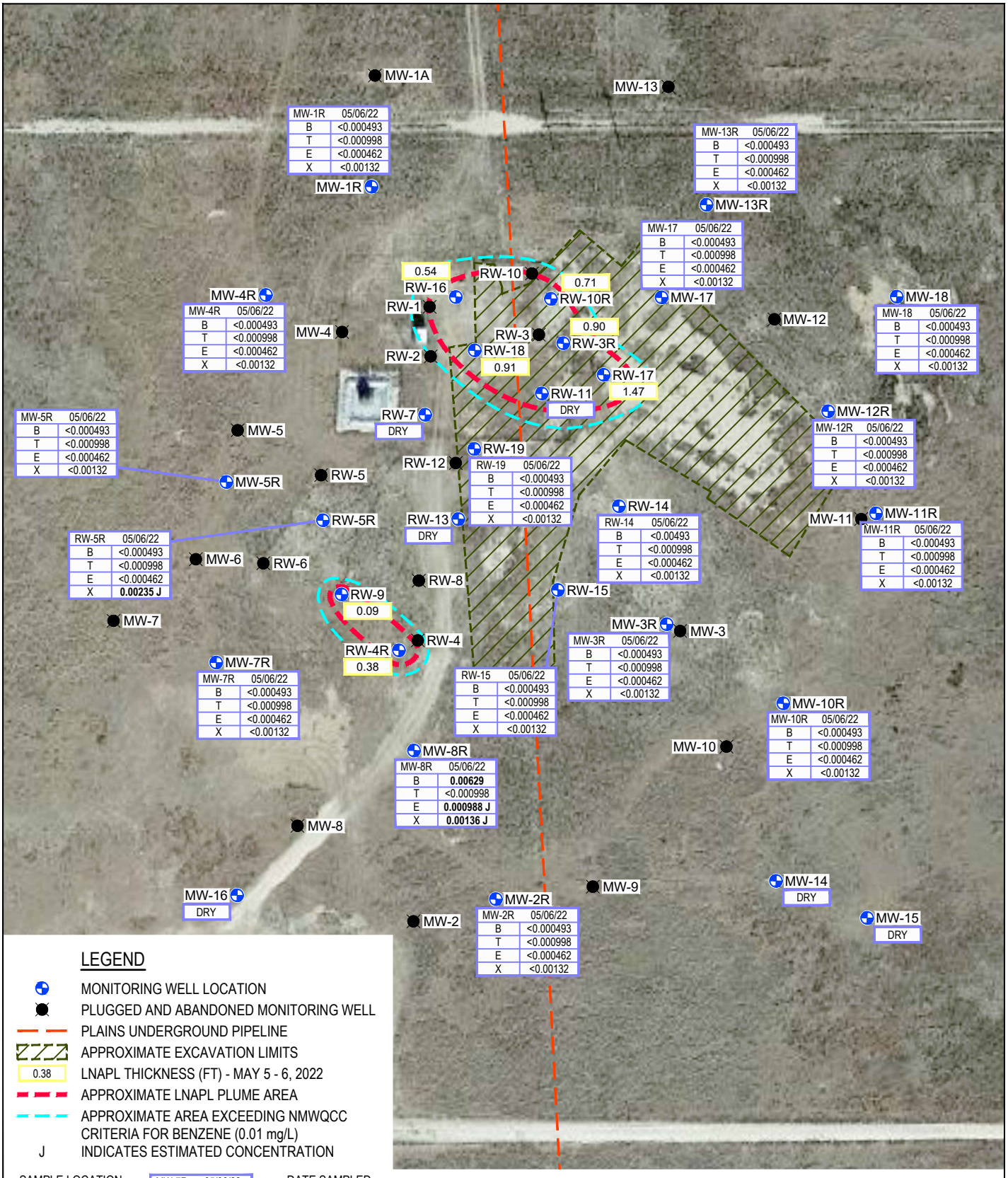
GROUNDWATER BTEX CONCENTRATION MAP
FEBRUARY 15, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 7

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- 0.38 LNAPL THICKNESS (FT) - MAY 5 - 6, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-7R	05/06/22	DATE SAMPLED
BENZENE	B	<0.000493	RESULT (mg/L)
TOLUENE	T	<0.000998	
ETHYLBENZENE	E	<0.000462	
XYLENES	X	<0.00132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON MAY 6, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

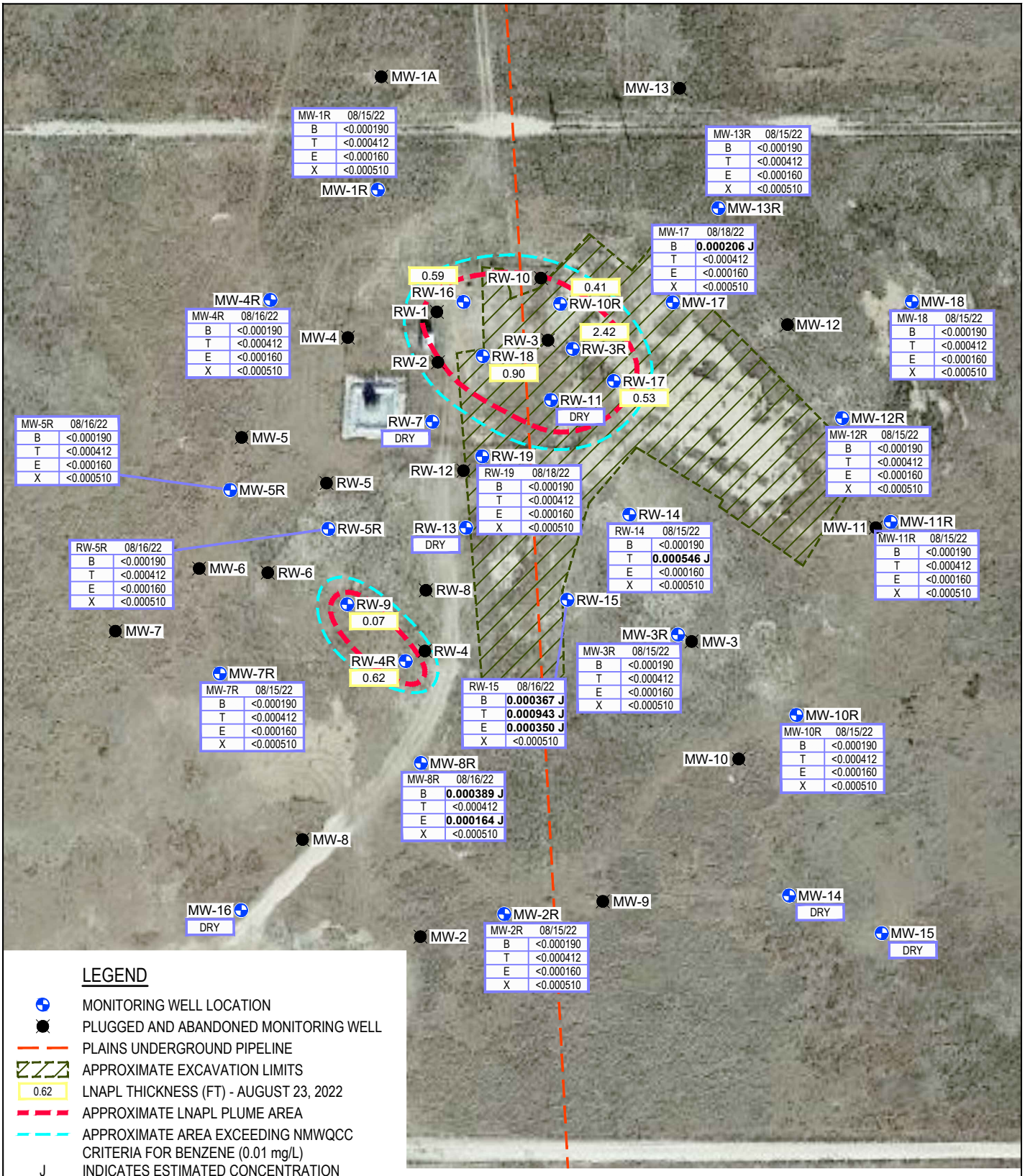
GROUNDWATER BTEX CONCENTRATION MAP MAY 6, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 8

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- 0.62 LNAPL THICKNESS (FT) - AUGUST 23, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-7R	08/15/22	DATE SAMPLED
BENZENE	B	<0.000493	RESULT (mg/L)
TOLUENE	T	<0.000998	
ETHYLBENZENE	E	<0.000462	
XYLENES	X	<0.00132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON AUGUST 15 - 16 AND 18, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

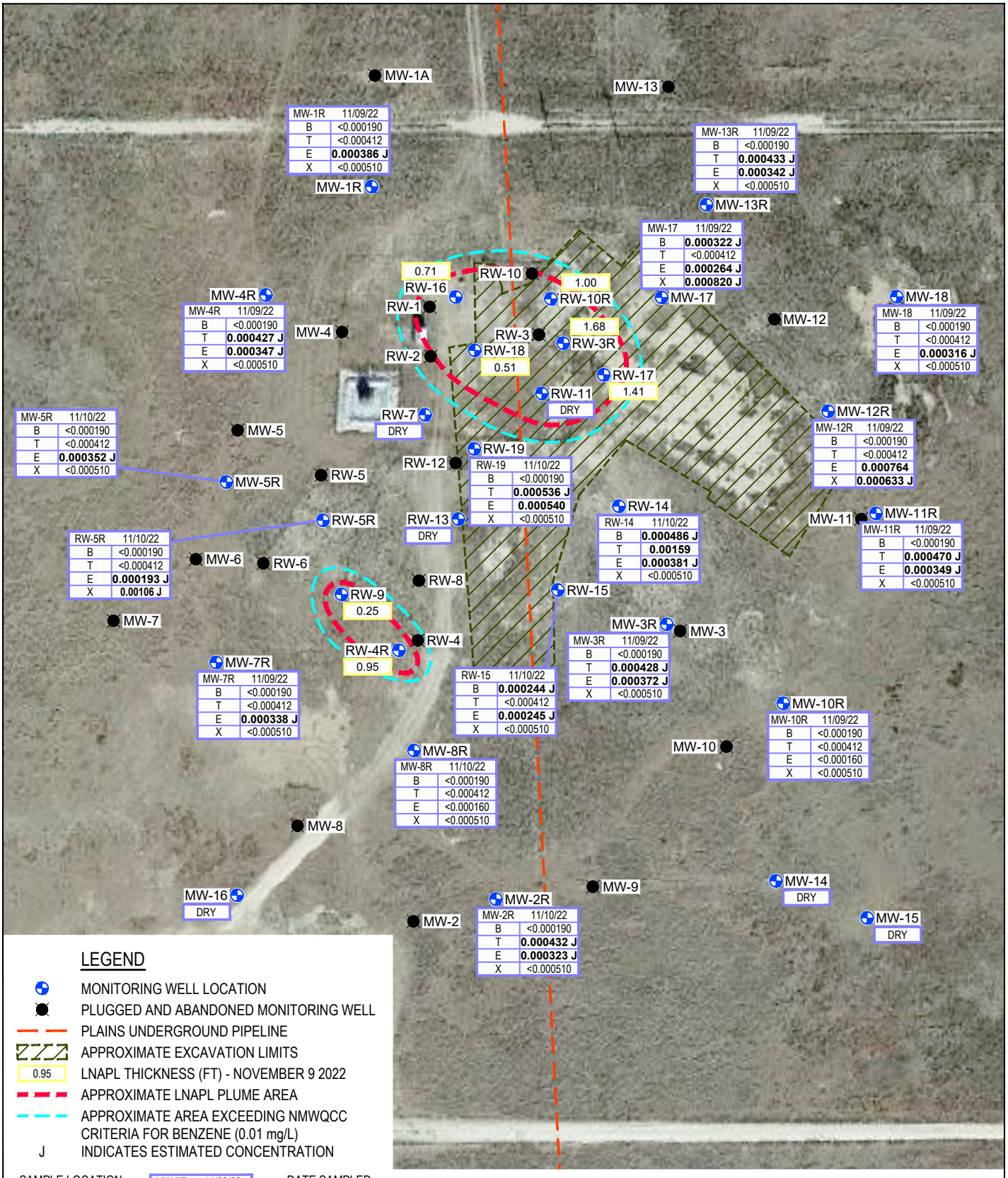
GROUNDWATER BTEX CONCENTRATION MAP
AUGUST 15 - 16 AND 18, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 9

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- PLAINS UNDERGROUND PIPELINE
- APPROXIMATE EXCAVATION LIMITS
- 0.95 LNAPL THICKNESS (FT) - NOVEMBER 9 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-7R	11/09/22	DATE SAMPLED
BENZENE	B	<0.000190	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	0.000338 J	
XYLENES	X	<0.000510	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON NOVEMBER 9 - 10, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.4 SRS #2001-10876
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP NOVEMBER 9 - 10, 2022

Project No. **12572710**
Date **March 2023**

FIGURE 10

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572710\Digital_Design\ACAD\Figures\GWR 2022\12572710 GHD 0000 RPT EN 0101_DL 2022.dwg
Plot Date: 22 March 2023 8:09 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0264° North, 103.1667° West

Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company	Plains Pipeline, LP	Contact:	Camille Reynolds
Address:	3705 E. Hwy 158, Midland, TX 79706	Telephone No.	505-441-0965
Facility Name	Darr Angell # 4	Facility Type:	Steel Pipeline

Surface Owner: Darr Angell	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	11	15S	37E					Lea

Latitude 33 degrees 02' 17.4 N **Longitude** 103 degrees 10' 04.4" W

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 150 bbls	Volume Recovered 95 bbls
Source of Release: Steel Pipeline	Date and Hour of Occurrence 02/02/2001	Date and Hour of Discovery 02/02/2001 05:15 AM
Was Immediate Notice Given? Yes ☒ No ☐ Not Required	If YES, To Whom? Sylvia Dickey - NMOCD	
By Whom? Wayne Brunette	Date and Hour 02/02/01 05:20 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Internal corrosion of the pipeline.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. The aerial extent of surface impact was approximately 80' x 150'.
NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 3/21/2005 Phone: (505)441-0965	

* Attach Additional Sheets If Necessary

Appendix B

Certified Laboratory Analytical Reports

ANALYTICAL REPORT

February 23, 2022

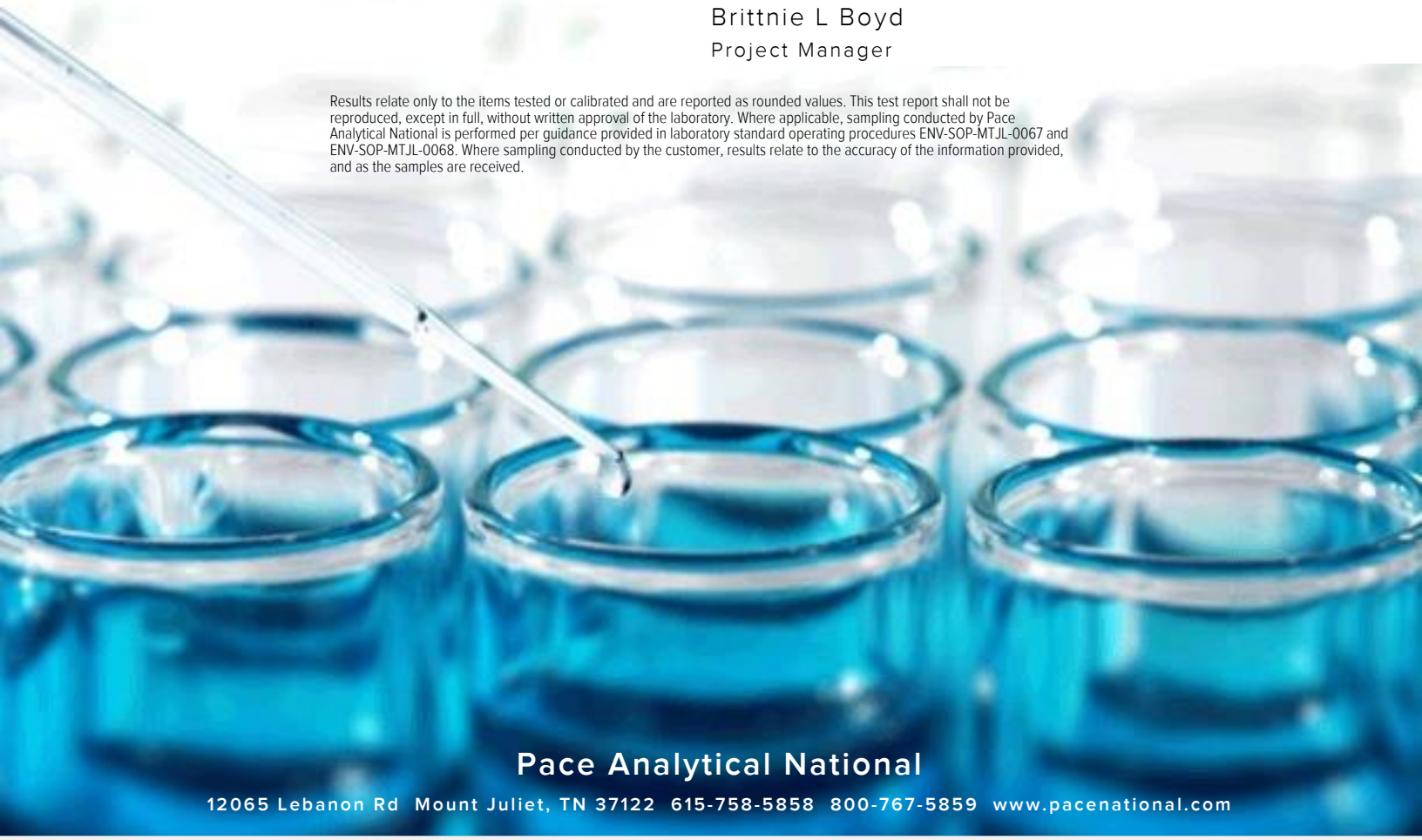
Plains All American, LP - GHD

Sample Delivery Group:	L1462468
Samples Received:	02/17/2022
Project Number:	12572710/01
Description:	Darr Angell #4
Site:	SRS2001-10876
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-2R L1462468-01 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 09:15 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 04:30	02/18/22 04:30	BMB	Mt. Juliet, TN

MW-3R L1462468-02 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 09:40 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 04:52	02/18/22 04:52	BMB	Mt. Juliet, TN

MW-4R L1462468-03 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 10:10 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 05:14	02/18/22 05:14	BMB	Mt. Juliet, TN

MW-5R L1462468-04 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 10:35 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 05:36	02/18/22 05:36	BMB	Mt. Juliet, TN

MW-11R L1462468-05 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 11:05 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 05:57	02/18/22 05:57	BMB	Mt. Juliet, TN

RW-19 L1462468-06 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 11:35 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 06:19	02/18/22 06:19	BMB	Mt. Juliet, TN

MW-18 L1462468-07 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 11:50 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 06:41	02/18/22 06:41	BMB	Mt. Juliet, TN

RW-14 L1462468-08 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 12:20 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 07:02	02/18/22 07:02	BMB	Mt. Juliet, TN

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

MW-1R L1462468-09 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 12:50 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 07:24	02/18/22 07:24	BMB	Mt. Juliet, TN

MW-7R L1462468-10 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 13:10 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 07:46	02/18/22 07:46	BMB	Mt. Juliet, TN

MW-10R L1462468-11 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 13:40 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 08:08	02/18/22 08:08	BMB	Mt. Juliet, TN

MW-17 L1462468-12 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 14:05 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 08:30	02/18/22 08:30	BMB	Mt. Juliet, TN

RW-15 L1462468-13 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 14:30 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 08:51	02/18/22 08:51	BMB	Mt. Juliet, TN

RW-5R L1462468-14 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 15:00 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 09:13	02/18/22 09:13	BMB	Mt. Juliet, TN

MW-12R L1462468-15 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 15:25 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 09:35	02/18/22 09:35	BMB	Mt. Juliet, TN

MW-13R L1462468-16 GW

Collected by: David Fletcher | Collected date/time: 02/15/22 16:10 | Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 09:56	02/18/22 09:56	BMB	Mt. Juliet, TN

MW-8R L1462468-17 GW

Collected by: David Fletcher
Collected date/time: 02/15/22 16:40
Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820021	1	02/18/22 10:18	02/18/22 10:18	BMB	Mt. Juliet, TN

DUP-1 L1462468-18 GW

Collected by: David Fletcher
Collected date/time: 02/15/22 00:00
Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820458	1	02/19/22 13:33	02/19/22 13:33	MGF	Mt. Juliet, TN

DUP-2 L1462468-19 GW

Collected by: David Fletcher
Collected date/time: 02/15/22 00:00
Received date/time: 02/17/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1820458	1	02/19/22 13:54	02/19/22 13:54	JBE	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

Laboratory Review Checklist: Reportable Data

Revised May 2010

Laboratory Name: Pace Analytical National	LRC Date: 02/23/2022 14:33
Project Name: Darr Angell #4	Laboratory Job Number: L1462468-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1820021 and WG1820458

#[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			1
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).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 02/23/2022 14:33
Project Name: Darr Angell #4	Laboratory Job Number: L1462468-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1820021 and WG1820458

#[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: 02/23/2022 14:33
Project Name: Darr Angell #4	Laboratory Job Number: L1462468-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1820021 and WG1820458

ER #[1]	Description
1	8021B WG1820458 Benzene: 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	02/18/2022 04:30	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 04:30	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 04:30	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 04:30	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.1*				*79.0-125*		*02/18/2022 04:30*	WG1820021

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	02/18/2022 04:52	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 04:52	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 04:52	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 04:52	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.5*				*79.0-125*		*02/18/2022 04:52*	WG1820021

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	02/18/2022 05:14	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 05:14	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 05:14	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 05:14	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.2*				*79.0-125*		*02/18/2022 05:14*	WG1820021

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	02/18/2022 05:36	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 05:36	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 05:36	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 05:36	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.2*				*79.0-125*		*02/18/2022 05:36*	WG1820021

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	02/18/2022 05:57	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 05:57	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 05:57	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 05:57	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.2*				*79.0-125*		*02/18/2022 05:57*	WG1820021

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	0.000213	J	0.000190	0.000500	0.000500	1	02/18/2022 06:19	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 06:19	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 06:19	WG1820021
Total Xylene	0.00119	B J	0.000510	0.00150	0.00150	1	02/18/2022 06:19	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*02/18/2022 06:19*	WG1820021

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	02/18/2022 06:41	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 06:41	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 06:41	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 06:41	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.3*				*79.0-125*		*02/18/2022 06:41*	WG1820021

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	02/18/2022 07:02	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 07:02	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 07:02	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 07:02	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.3*				*79.0-125*		*02/18/2022 07:02*	WG1820021

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	02/18/2022 07:24	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 07:24	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 07:24	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 07:24	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.3*				*79.0-125*		*02/18/2022 07:24*	WG1820021

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	02/18/2022 07:46	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 07:46	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 07:46	WG1820021
Total Xylene	0.000872	B J	0.000510	0.00150	0.00150	1	02/18/2022 07:46	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.0*				*79.0-125*		*02/18/2022 07:46*	WG1820021

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	02/18/2022 08:08	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 08:08	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 08:08	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 08:08	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.3*				*79.0-125*		*02/18/2022 08:08*	WG1820021

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	02/18/2022 08:30	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 08:30	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 08:30	WG1820021
Total Xylene	0.00107	B J	0.000510	0.00150	0.00150	1	02/18/2022 08:30	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.4*				*79.0-125*		*02/18/2022 08:30*	WG1820021

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	0.000202	J	0.000190	0.000500	0.000500	1	02/18/2022 08:51	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 08:51	WG1820021
Ethylbenzene	0.000377	B J	0.000160	0.000500	0.000500	1	02/18/2022 08:51	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 08:51	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*97.8*				*79.0-125*		*02/18/2022 08:51*	WG1820021

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	02/18/2022 09:13	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 09:13	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 09:13	WG1820021
Total Xylene	0.00377	B	0.000510	0.00150	0.00150	1	02/18/2022 09:13	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*02/18/2022 09:13*	WG1820021

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	02/18/2022 09:35	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 09:35	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 09:35	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 09:35	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.1*				*79.0-125*		*02/18/2022 09:35*	WG1820021

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	02/18/2022 09:56	WG1820021
Toluene	U		0.000412	0.00100	0.00100	1	02/18/2022 09:56	WG1820021
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/18/2022 09:56	WG1820021
Total Xylene	U		0.000510	0.00150	0.00150	1	02/18/2022 09:56	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*99.5*				*79.0-125*		*02/18/2022 09:56*	WG1820021

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	0.0275		0.000190	0.000500	0.000500	1	02/18/2022 10:18	WG1820021
Toluene	0.00182		0.000412	0.00100	0.00100	1	02/18/2022 10:18	WG1820021
Ethylbenzene	0.00507		0.000160	0.000500	0.000500	1	02/18/2022 10:18	WG1820021
Total Xylene	0.0147		0.000510	0.00150	0.00150	1	02/18/2022 10:18	WG1820021
(S) a,a,a-Trifluorotoluene(PID)	*98.4*				*79.0-125*		*02/18/2022 10:18*	WG1820021

DUP-1
Collected date/time: 02/15/22 00:00
L1462468

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	J3	0.000190	0.000500	0.000500	1	02/19/2022 13:33	WG1820458
Toluene	U		0.000412	0.00100	0.00100	1	02/19/2022 13:33	WG1820458
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/19/2022 13:33	WG1820458
Total Xylene	U		0.000510	0.00150	0.00150	1	02/19/2022 13:33	WG1820458
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/19/2022 13:33*	WG1820458

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	0.0206		0.000190	0.000500	0.000500	1	02/19/2022 13:54	WG1820458
Toluene	0.00423		0.000412	0.00100	0.00100	1	02/19/2022 13:54	WG1820458
Ethylbenzene	0.00349		0.000160	0.000500	0.000500	1	02/19/2022 13:54	WG1820458
Total Xylene	0.0157		0.000510	0.00150	0.00150	1	02/19/2022 13:54	WG1820458
(S) a,a,a-Trifluorotoluene(PID)	*98.0*				*79.0-125*		*02/19/2022 13:54*	WG1820458

Method Blank (MB)

(MB) R3762251-4 02/18/22 03:02

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	0.000163	J	0.000160	0.000500
Total Xylene	0.00117	J	0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.4*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3762251-1 02/18/22 01:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0511	102	77.0-122	
Toluene	0.0500	0.0471	94.2	80.0-121	
Ethylbenzene	0.0500	0.0501	100	80.0-123	
Total Xylene	0.150	0.144	96.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*99.0*	*79.0-125*	

Method Blank (MB)

(MB) R3762923-3 02/19/22 12:29

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	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) R3762923-1 02/19/22 10:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0417	83.4	77.0-122	
Toluene	0.0500	0.0437	87.4	80.0-121	
Ethylbenzene	0.0500	0.0419	83.8	80.0-123	
Total Xylene	0.150	0.151	101	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*101*	*79.0-125*	

L1462468-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462468-18 02/19/22 13:33 • (MS) R3762923-4 02/19/22 20:45 • (MSD) R3762923-5 02/19/22 21:06

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	0.0583	0.0414	117	82.8	1	10.0-160		J3	33.9	21
Toluene	0.0500	U	0.0492	0.0421	98.4	84.2	1	12.0-148			15.6	21
Ethylbenzene	0.0500	U	0.0475	0.0400	95.0	80.0	1	22.0-149			17.1	21
Total Xylene	0.150	U	0.166	0.143	111	95.3	1	13.0-155			14.9	21
(S) a,a,a-Trifluorotoluene(PID)					*100*	*99.9*		*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
B	The same analyte is found in the associated blank.
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.

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

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace PEOPLE ADVANCING SCIENCE
L1462468
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

Report to: Becky Haskell
Email To: becky.haskell@ghd.com;glenn.quinney@ghd.co

Project Description: Darr Angell #4
City/State Collected:
Please Circle: PT MT CT ET

Phone: 432-686-0086
Client Project # 12572710/01
Lab Project # PLAINSGHD-12572710

D029

Collected by (print): David Fletcher
Site/Facility ID # SRS2001-10876
P.O. #

Table #

Collected by (signature): David Fletcher
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

Immediately Packed on Ice N ___ Y ✓

Acctnum: PLAINSGHD
Template: T202563
Prelogin: P900176
PM: 823 - Olivia Studebaker
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-2R	GRAB	GW	NA	2-15-22	915	3	X		-01
MW-3R	↓	GW	↓	↓	940	↓	↓		-02
MW-4R	↓	GW	↓	↓	1010	↓	↓		-03
MW-5R	↓	GW	↓	↓	1035	↓	↓		-04
MW-11R	↓	GW	↓	↓	1105	↓	↓		-05
RW-19	↓	GW	↓	↓	1135	↓	↓		-06
MW-18	↓	GW	↓	↓	1150	↓	↓		-07
RW-14	↓	GW	↓	↓	1220	↓	↓		-08
MW-1R	↓	GW	↓	↓	1250	↓	↓		-09
MW-7R	↓	GW	↓	↓	1310	↓	↓		-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) David Fletcher — Date: 2-16-22 — Time: 800 — Received by: (Signature) Kendell Cumpkis
Trip Blank Received: Yes / No (circled) HCL / MeOH TBR

Relinquished by : (Signature) — Date: — Time: — Received by: (Signature)
Temp: °C 3.0+0=3.0 — Bottles Received: 57
If preservation required by Login: Date/Time

Relinquished by : (Signature) — Date: — Time: — Received for lab by: (Signature) D. Ramsey
Date: 2-17-22 Time: 800
Hold:
Condition: NCF / OK (circled)

BAA7 L4+0=1.4

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

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

Analysis / Container / Preservative: BTEX 40mlAmb-HCl

Report to: Becky Haskell

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

Project Description: Darr Angell #4

City/State Collected:

Please Circle: PT MT CT ET

Phone: 432-686-0086

Client Project #: 12572710/01

Lab Project #: PLAINSGHD-12572710

Collected by (print): David Fletcher

Site/Facility ID #: SRS2001-10876

P.O. #

Quote #

Collected by (signature): David Fletcher

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

Immediately Packed on Ice N ___ Y ✓

SDG # L1462468

Table #

Acctnum: PLAINSGHD
Template: T202563
Prelogin: P900176
PM: 823 - Olivia Studebaker
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-10R	GRAB	GW	NA	2-15-22	1340	3	✓		-11
MW-17	↓	GW	↓	↓	1405	↓	↓		-12
RW-15	↓	GW	↓	↓	1430	↓	↓		-13
RW-5R	↓	GW	↓	↓	1500	↓	↓		-14
MW-12R	↓	GW	↓	↓	1525	↓	↓		-15
MW-13R	↓	GW	↓	↓	1610	↓	↓		-16
MW-8R	↓	GW	↓	↓	1640	↓	↓		-17
DUP-1	↓	GW	↓	↓		↓	↓		-18
DUP-2	↓	GW	↓	↓		↓	↓		-19
	↓	GW	↓	↓					

* 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	
David Fletcher	2-16-22	800	Kendall Cumpkins		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.4 °C	Bottles Received: 57
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) D. Ramsey	Date: 2-17-22	Time: 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

BAAZ 1.4 + 0 = 1.4

ANALYTICAL REPORT

May 11, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1490692
Samples Received:	05/07/2022
Project Number:	11209899/02
Description:	Darr Angell #4 SRS2001-10876
Site:	SRS2001-10876
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 Services, LLC -Dallas
400 W. Bethany Drive Suite 190 Allen, TX 75013 972-727-1123 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

MW-1R-050622 L1490692-01 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 08:58 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 21:13	05/09/22 21:13	NSR	Allen, TX

MW-2R-050622 L1490692-02 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 09:19 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 21:30	05/09/22 21:30	NSR	Allen, TX

MW-3R-050622 L1490692-03 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 09:45 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 21:48	05/09/22 21:48	NSR	Allen, TX

MW-4R-050622 L1490692-04 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 10:11 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 22:06	05/09/22 22:06	NSR	Allen, TX

MW-5R-050622 L1490692-05 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 10:46 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 22:24	05/09/22 22:24	NSR	Allen, TX

MW-10R-050622 L1490692-06 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 11:12 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 22:42	05/09/22 22:42	NSR	Allen, TX

MW-11R-050622 L1490692-07 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 11:45 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 23:00	05/09/22 23:00	NSR	Allen, TX

MW-12R-050622 L1490692-08 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 12:20 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861076	1	05/09/22 23:18	05/09/22 23:18	NSR	Allen, TX

SAMPLE SUMMARY

MW-13R-050622 L1490692-09 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 12:55 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 17:58	05/10/22 17:58	ZST	Allen, TX

MW-I8-050622 L1490692-10 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 13:19 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 18:16	05/10/22 18:16	ZST	Allen, TX

RW-14-050622 L1490692-11 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 13:30 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 18:34	05/10/22 18:34	ZST	Allen, TX

MW-7R-050622 L1490692-12 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 13:45 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 18:52	05/10/22 18:52	ZST	Allen, TX

MW-17-050622 L1490692-13 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 14:05 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 19:10	05/10/22 19:10	ZST	Allen, TX

RW-5R-050622 L1490692-14 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 14:20 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 19:28	05/10/22 19:28	ZST	Allen, TX

RW-15-050622 L1490692-15 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 14:35 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 19:46	05/10/22 19:46	ZST	Allen, TX

RW-19-050622 L1490692-16 GW

Collected by: David Fletcher | Collected date/time: 05/06/22 14:50 | Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 20:04	05/10/22 20:04	ZST	Allen, TX

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

SAMPLE SUMMARY

MW-8R-050622 L1490692-17 GW

Collected by: David Fletcher
Collected date/time: 05/06/22 15:10
Received date/time: 05/07/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260	WG1861796	1	05/10/22 20:22	05/10/22 20:22	ZST	Allen, TX

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

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: 05/11/2022 14:02
Project Name: Darr Angell #4 SRS2001-10876	Laboratory Job Number: L1490692-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861076 and WG1861796

#[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: 05/11/2022 14:02
Project Name: Darr Angell #4 SRS2001-10876	Laboratory Job Number: L1490692-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861076 and WG1861796

#[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.
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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: 05/11/2022 14:02
Project Name: Darr Angell #4 SRS2001-10876	Laboratory Job Number: L1490692-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861076 and WG1861796

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/MS) by Method 8260

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 21:13	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 21:13	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 21:13	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 21:13	WG1861076
(S) 1,2-Dichloroethane-d4	*120*				*70.0-130*		*05/09/2022 21:13*	WG1861076
(S) 4-Bromofluorobenzene	*98.2*				*70.0-130*		*05/09/2022 21:13*	WG1861076
(S) Toluene-d8	*98.3*				*70.0-130*		*05/09/2022 21:13*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 21:30	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 21:30	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 21:30	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 21:30	WG1861076
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*05/09/2022 21:30*	WG1861076
(S) 4-Bromofluorobenzene	*96.0*				*70.0-130*		*05/09/2022 21:30*	WG1861076
(S) Toluene-d8	*98.9*				*70.0-130*		*05/09/2022 21:30*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 21:48	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 21:48	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 21:48	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 21:48	WG1861076
(S) 1,2-Dichloroethane-d4	*121*				*70.0-130*		*05/09/2022 21:48*	WG1861076
(S) 4-Bromofluorobenzene	*98.7*				*70.0-130*		*05/09/2022 21:48*	WG1861076
(S) Toluene-d8	*97.7*				*70.0-130*		*05/09/2022 21:48*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 22:06	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 22:06	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 22:06	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 22:06	WG1861076
(S) 1,2-Dichloroethane-d4	*122*				*70.0-130*		*05/09/2022 22:06*	WG1861076
(S) 4-Bromofluorobenzene	*98.4*				*70.0-130*		*05/09/2022 22:06*	WG1861076
(S) Toluene-d8	*98.8*				*70.0-130*		*05/09/2022 22:06*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 22:24	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 22:24	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 22:24	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 22:24	WG1861076
(S) 1,2-Dichloroethane-d4	*123*				*70.0-130*		*05/09/2022 22:24*	WG1861076
(S) 4-Bromofluorobenzene	*98.8*				*70.0-130*		*05/09/2022 22:24*	WG1861076
(S) Toluene-d8	*98.3*				*70.0-130*		*05/09/2022 22:24*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 22:42	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 22:42	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 22:42	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 22:42	WG1861076
(S) 1,2-Dichloroethane-d4	*107*				*70.0-130*		*05/09/2022 22:42*	WG1861076
(S) 4-Bromofluorobenzene	*96.7*				*70.0-130*		*05/09/2022 22:42*	WG1861076
(S) Toluene-d8	*101*				*70.0-130*		*05/09/2022 22:42*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 23:00	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 23:00	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 23:00	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 23:00	WG1861076
(S) 1,2-Dichloroethane-d4	*123*				*70.0-130*		*05/09/2022 23:00*	WG1861076
(S) 4-Bromofluorobenzene	*98.4*				*70.0-130*		*05/09/2022 23:00*	WG1861076
(S) Toluene-d8	*93.9*				*70.0-130*		*05/09/2022 23:00*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/09/2022 23:18	WG1861076
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/09/2022 23:18	WG1861076
Toluene	U		0.000998	0.00500	0.00500	1	05/09/2022 23:18	WG1861076
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/09/2022 23:18	WG1861076
(S) 1,2-Dichloroethane-d4	*122*				*70.0-130*		*05/09/2022 23:18*	WG1861076
(S) 4-Bromofluorobenzene	*100*				*70.0-130*		*05/09/2022 23:18*	WG1861076
(S) Toluene-d8	*98.1*				*70.0-130*		*05/09/2022 23:18*	WG1861076

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 17:58	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 17:58	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 17:58	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 17:58	WG1861796
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*05/10/2022 17:58*	WG1861796
(S) 4-Bromofluorobenzene	*94.8*				*70.0-130*		*05/10/2022 17:58*	WG1861796
(S) Toluene-d8	*98.2*				*70.0-130*		*05/10/2022 17:58*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 18:16	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 18:16	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 18:16	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 18:16	WG1861796
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*05/10/2022 18:16*	WG1861796
(S) 4-Bromofluorobenzene	*96.8*				*70.0-130*		*05/10/2022 18:16*	WG1861796
(S) Toluene-d8	*97.3*				*70.0-130*		*05/10/2022 18:16*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 18:34	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 18:34	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 18:34	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 18:34	WG1861796
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*05/10/2022 18:34*	WG1861796
(S) 4-Bromofluorobenzene	*96.5*				*70.0-130*		*05/10/2022 18:34*	WG1861796
(S) Toluene-d8	*98.7*				*70.0-130*		*05/10/2022 18:34*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 18:52	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 18:52	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 18:52	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 18:52	WG1861796
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*05/10/2022 18:52*	WG1861796
(S) 4-Bromofluorobenzene	*95.3*				*70.0-130*		*05/10/2022 18:52*	WG1861796
(S) Toluene-d8	*98.1*				*70.0-130*		*05/10/2022 18:52*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 19:10	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 19:10	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 19:10	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 19:10	WG1861796
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*05/10/2022 19:10*	WG1861796
(S) 4-Bromofluorobenzene	*94.6*				*70.0-130*		*05/10/2022 19:10*	WG1861796
(S) Toluene-d8	*99.5*				*70.0-130*		*05/10/2022 19:10*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 19:28	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 19:28	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 19:28	WG1861796
Xylenes, Total	0.00235	J	0.00132	0.00600	0.00600	1	05/10/2022 19:28	WG1861796
(S) 1,2-Dichloroethane-d4	*114*				*70.0-130*		*05/10/2022 19:28*	WG1861796
(S) 4-Bromofluorobenzene	*97.3*				*70.0-130*		*05/10/2022 19:28*	WG1861796
(S) Toluene-d8	*103*				*70.0-130*		*05/10/2022 19:28*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 19:46	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 19:46	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 19:46	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 19:46	WG1861796
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*05/10/2022 19:46*	WG1861796
(S) 4-Bromofluorobenzene	*93.8*				*70.0-130*		*05/10/2022 19:46*	WG1861796
(S) Toluene-d8	*104*				*70.0-130*		*05/10/2022 19:46*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000493	0.00200	0.00200	1	05/10/2022 20:04	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 20:04	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 20:04	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 20:04	WG1861796
(S) 1,2-Dichloroethane-d4	*123*				*70.0-130*		*05/10/2022 20:04*	WG1861796
(S) 4-Bromofluorobenzene	*76.6*				*70.0-130*		*05/10/2022 20:04*	WG1861796
(S) Toluene-d8	*91.2*				*70.0-130*		*05/10/2022 20:04*	WG1861796

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00629		0.000493	0.00200	0.00200	1	05/10/2022 20:22	WG1861796
Ethylbenzene	0.000988	J	0.000462	0.00200	0.00200	1	05/10/2022 20:22	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 20:22	WG1861796
Xylenes, Total	0.00136	J	0.00132	0.00600	0.00600	1	05/10/2022 20:22	WG1861796
(S) 1,2-Dichloroethane-d4	*119*				*70.0-130*		*05/10/2022 20:22*	WG1861796
(S) 4-Bromofluorobenzene	*88.6*				*70.0-130*		*05/10/2022 20:22*	WG1861796
(S) Toluene-d8	*101*				*70.0-130*		*05/10/2022 20:22*	WG1861796

Method Blank (MB)

(MB) R3790166-2 05/09/22 14:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000493	0.00200
Ethylbenzene	U		0.000462	0.00200
Toluene	U		0.000998	0.00500
Xylenes, Total	U		0.00132	0.00600
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*
(S) 4-Bromofluorobenzene	*96.9*			*70.0-130*
(S) Toluene-d8	*97.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3790166-1 05/09/22 12:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0200	0.0199	99.5	73.0-131	
Ethylbenzene	0.0200	0.0216	108	76.0-129	
Toluene	0.0200	0.0195	97.5	73.0-130	
Xylenes, Total	0.0600	0.0598	99.7	78.0-124	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	
(S) 4-Bromofluorobenzene			*98.1*	*70.0-130*	
(S) Toluene-d8			*99.7*	*70.0-130*	

L1490692-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1490692-01 05/09/22 21:13 • (MS) R3790166-3 05/09/22 20:19 • (MSD) R3790166-4 05/09/22 20:37

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	0.0200	U	0.0203	0.0197	102	98.5	1	74.0-130			3.00	20
Ethylbenzene	0.0200	U	0.0229	0.0222	115	111	1	77.0-127			3.10	20
Toluene	0.0200	U	0.0204	0.0197	102	98.5	1	74.0-127			3.49	20
Xylenes, Total	0.0600	U	0.0632	0.0611	105	102	1	71.0-133			3.38	20
(S) 1,2-Dichloroethane-d4					*111*	*110*		*70.0-130*				
(S) 4-Bromofluorobenzene					*96.5*	*97.3*		*70.0-130*				
(S) Toluene-d8					*102*	*102*		*70.0-130*				

Method Blank (MB)

(MB) R3790408-2 05/10/22 15:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000493	0.00200
Ethylbenzene	U		0.000462	0.00200
Toluene	U		0.000998	0.00500
Xylenes, Total	U		0.00132	0.00600
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*
(S) 4-Bromofluorobenzene	*98.0*			*70.0-130*
(S) Toluene-d8	*98.4*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3790408-1 05/10/22 15:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0200	0.0206	103	73.0-131	
Ethylbenzene	0.0200	0.0228	114	76.0-129	
Toluene	0.0200	0.0241	121	73.0-130	
Xylenes, Total	0.0600	0.0633	105	78.0-124	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	
(S) 4-Bromofluorobenzene			*96.2*	*70.0-130*	
(S) Toluene-d8			*118*	*70.0-130*	

L1490692-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1490692-09 05/10/22 17:58 • (MS) R3790408-3 05/10/22 17:05 • (MSD) R3790408-4 05/10/22 17:23

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	0.0200	U	0.0207	0.0201	104	101	1	74.0-130			2.94	20
Ethylbenzene	0.0200	U	0.0222	0.0225	111	113	1	77.0-127			1.34	20
Toluene	0.0200	U	0.0205	0.0201	103	101	1	74.0-127			1.97	20
Xylenes, Total	0.0600	U	0.0611	0.0620	102	103	1	71.0-133			1.46	20
(S) 1,2-Dichloroethane-d4					*100*	*111*		*70.0-130*				
(S) 4-Bromofluorobenzene					*121*	*97.0*		*70.0-130*				
(S) Toluene-d8					*102*	*101*		*70.0-130*				

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.

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-22-34
Iowa	408	Oklahoma	8727
Louisiana	30686		

[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: Darr Angell #4
City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS 2001-10876
Lab Project # SRS 2001-10876

Collected by (print): David Fletcher
Site/Facility ID # SRS 2001-10876
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

Chain of Custody Page 1 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# L490692
Table #
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-1R-050622	GRAB	GW	NA	5-6-22	858	3	X	-01	
MW-2R-050622					919			-02	
MW-3R-050622					945			-03	
MW-4R-050622					1011			-04	
MW-5R-050622					1046			-05	
MW-10R-050622					1112			-06	
MW-11R-050622					1145			-07	
MW-12R-050622					1220			-08	
MW-13R-050622					1255			-09	
MW-18-050622					1319			-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-12572710

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)
David Fletcher	5-6-22	1600	
	5/6/22	1700	SWA
SWA	5/7/22	0800	5/7/22 800

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:
Date: Time:

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

Pres Chk

Analysis / Container / Preservative

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

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Darr Angell #4

City/State Collected: Lovington, NM

L# L1490692

Phone: 432-250-7917
Fax:

Client Project #: SRS 2001-10876

Lab Project #: SRS 2001-10876

Table #

Collected by (print):

Site/Facility ID #: SRS 2001-10876

P.O. #

Acctnum:

Collected by (signature):

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

Quote #

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Immediately Packed on Ice N ___ Y ___

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)
Rw-14 - 050622	GRAB	GW	NA	5-6-22	1330	3	✓	-11	
MW-7R - 050622	↓	↓	↓	↓	1345	↓	↓	-12	
MW-17 - 050622	↓	↓	↓	↓	1405	↓	↓	-13	
RW-5R - 050622	↓	↓	↓	↓	1420	↓	↓	-14	
RW-15 - 050622	↓	↓	↓	↓	1435	↓	↓	-15	
Rw-19 - 050622	↓	↓	↓	↓	1450	↓	↓	-16	
MW-8R - 050622	↓	↓	↓	↓	1510	↓	↓	-17	
					~~1525~~				

* 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-12572710

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)	
[signature]	5-6-22	5/6/22	[signature]	Trip Blank Received: Yes / No HCL / MeoH TBR
[signature]	5/6/22	1700	SWA	Temp: °C Bottles Received:
			Received for lab by: (Signature)	Date: Time:

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 DIV AMERICAN Project Work order (place label):

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

Tracking #: _____

L1490692

Custody Seal on Cooler/Box: Yes ☐ No ☑

Received on ice: Wet ☑ Blue ☐ No ice ☐

Receiving Lab 1 Thermometer Used: IR-18 Cooler Temp °C: 4.2 (Recorded) 0.2 (Correction Factor) 4.0 (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: MARK CIMINO Date: 5/7/22

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

Login Person: SM Date: 5/7/22

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: _____

ANALYTICAL REPORT

September 26, 2022

Revised Report

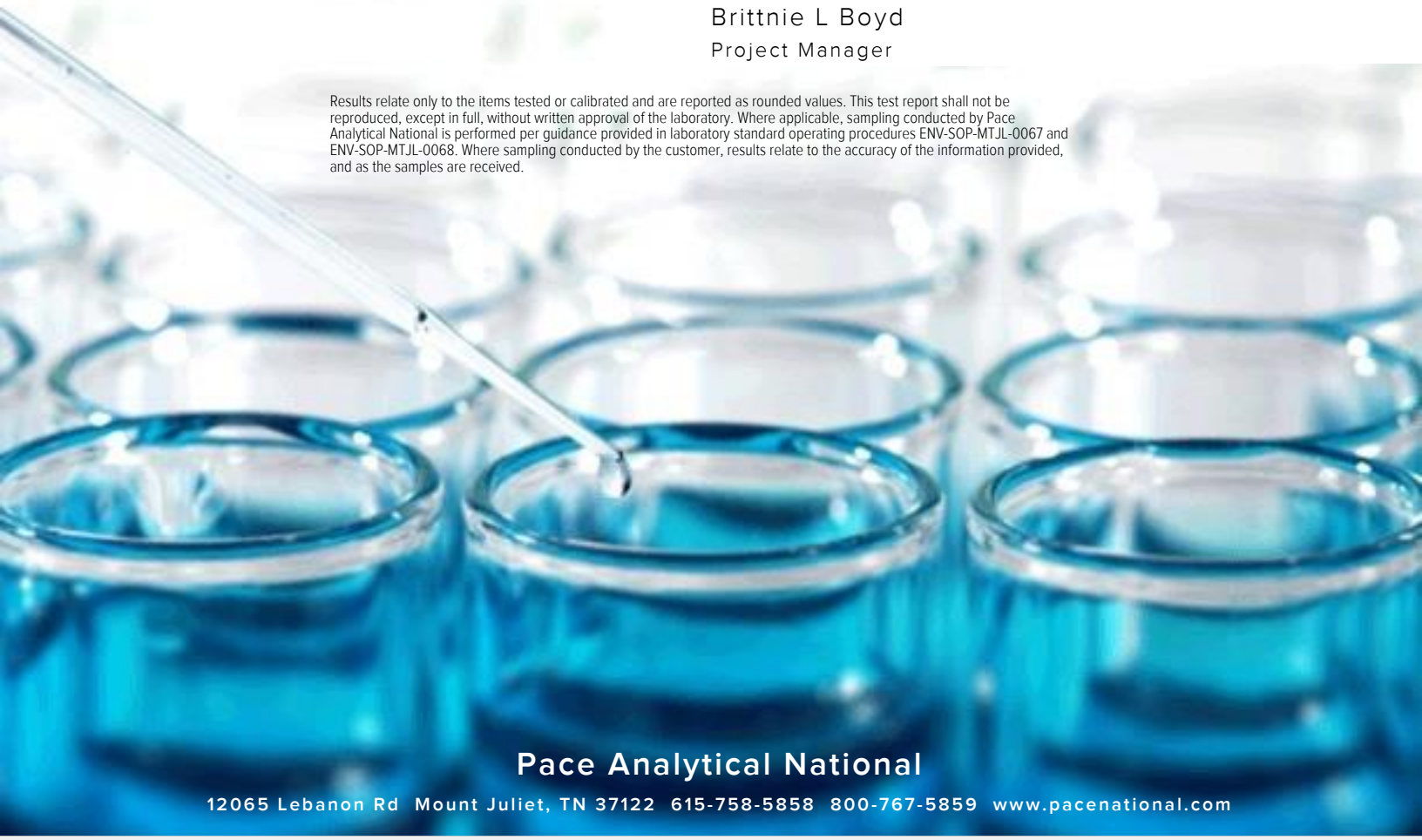
Plains All American, LP - GHD

Sample Delivery Group:	L1527745
Samples Received:	08/20/2022
Project Number:	12572710/01
Description:	Darr Angell #4
Site:	SRS2001-10876
Report To:	Glenn Quinney 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

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4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

MW-12R-081522 L1527745-01 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 12:10 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/25/22 23:33	08/25/22 23:33	JAH	Mt. Juliet, TN

RW-19-081822 L1527745-02 GW

Collected by: Ryan Livingston | Collected date/time: 08/18/22 11:30 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/25/22 23:54	08/25/22 23:54	JAH	Mt. Juliet, TN

MW-17-081822 L1527745-03 GW

Collected by: Ryan Livingston | Collected date/time: 08/18/22 10:40 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 00:16	08/26/22 00:16	JAH	Mt. Juliet, TN

MW-8R-081622 L1527745-04 GW

Collected by: Ryan Livingston | Collected date/time: 08/16/22 10:45 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 00:37	08/26/22 00:37	JAH	Mt. Juliet, TN

MW-18-081522 L1527745-05 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 11:55 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 00:59	08/26/22 00:59	JAH	Mt. Juliet, TN

MW-5R-081622 L1527745-06 GW

Collected by: Ryan Livingston | Collected date/time: 08/16/22 11:20 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 01:20	08/26/22 01:20	JAH	Mt. Juliet, TN

MW-11R-081522 L1527745-07 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 12:40 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 01:50	08/26/22 01:50	JAH	Mt. Juliet, TN

MW-10R-081522 L1527745-08 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 13:05 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 02:26	08/26/22 02:26	JAH	Mt. Juliet, TN

MW-7R-081522 L1527745-09 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 11:35 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 03:08	08/26/22 03:08	JAH	Mt. Juliet, TN

MW-4R-081622 L1527745-10 GW

Collected by: Ryan Livingston | Collected date/time: 08/16/22 12:15 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 03:33	08/26/22 03:33	JAH	Mt. Juliet, TN

MW-3R-081522 L1527745-11 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 14:25 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 03:58	08/26/22 03:58	JAH	Mt. Juliet, TN

RW-5R-081622 L1527745-12 GW

Collected by: Ryan Livingston | Collected date/time: 08/16/22 12:00 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 04:19	08/26/22 04:19	JAH	Mt. Juliet, TN

MW-13R-081522 L1527745-13 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 11:24 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 04:41	08/26/22 04:41	JAH	Mt. Juliet, TN

MW-2R-081522 L1527745-14 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 13:38 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 05:02	08/26/22 05:02	JAH	Mt. Juliet, TN

MW-1R-081522 L1527745-15 GW

Collected by: Ryan Livingston | Collected date/time: 08/15/22 10:45 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 05:24	08/26/22 05:24	JAH	Mt. Juliet, TN

RW-15-081622 L1527745-16 GW

Collected by: Ryan Livingston | Collected date/time: 08/16/22 09:55 | Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1916773	1	08/26/22 05:45	08/26/22 05:45	JAH	Mt. Juliet, TN

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

SAMPLE SUMMARY

RW-14-081522 L1527745-17 GW

Collected by: Ryan Livingston
Collected date/time: 08/15/22 10:30
Received date/time: 08/20/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917184	1	08/27/22 00:51	08/27/22 00:51	ACG	Mt. Juliet, TN

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

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: 08/29/22 13:43

Project Narrative

Updated Sample ID's

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1527745-01	MW-12R-081522	8021B

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: 09/26/2022 14:50
Project Name: Darr Angell #4	Laboratory Job Number: L1527745-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1916773 and WG1917184

#[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: 09/26/2022 14:50
Project Name: Darr Angell #4	Laboratory Job Number: L1527745-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1916773 and WG1917184

#[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: 09/26/2022 14:50
Project Name: Darr Angell #4	Laboratory Job Number: L1527745-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1916773 and WG1917184

ER #[1]	Description
1	8021B WG1916773 L1527745-01: 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	U		0.000190	0.000500	0.000500	1	08/25/2022 23:33	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/25/2022 23:33	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/25/2022 23:33	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/25/2022 23:33	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*95.9*				*79.0-125*		*08/25/2022 23:33*	WG1916773

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	08/25/2022 23:54	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/25/2022 23:54	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/25/2022 23:54	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/25/2022 23:54	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.3*				*79.0-125*		*08/25/2022 23:54*	WG1916773

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	0.000206	J	0.000190	0.000500	0.000500	1	08/26/2022 00:16	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 00:16	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 00:16	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 00:16	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*96.0*				*79.0-125*		*08/26/2022 00:16*	WG1916773

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	0.000389	J	0.000190	0.000500	0.000500	1	08/26/2022 00:37	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 00:37	WG1916773
Ethylbenzene	0.000164	J	0.000160	0.000500	0.000500	1	08/26/2022 00:37	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 00:37	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.2*				*79.0-125*		*08/26/2022 00:37*	WG1916773

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	08/26/2022 00:59	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 00:59	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 00:59	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 00:59	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.8*				*79.0-125*		*08/26/2022 00:59*	WG1916773

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	08/26/2022 01:20	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 01:20	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 01:20	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 01:20	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*96.7*				*79.0-125*		*08/26/2022 01:20*	WG1916773

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	08/26/2022 01:50	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 01:50	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 01:50	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 01:50	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*08/26/2022 01:50*	WG1916773

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	08/26/2022 02:26	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 02:26	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 02:26	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 02:26	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*95.4*				*79.0-125*		*08/26/2022 02:26*	WG1916773

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	08/26/2022 03:08	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 03:08	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 03:08	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 03:08	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*98.5*				*79.0-125*		*08/26/2022 03:08*	WG1916773

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	08/26/2022 03:33	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 03:33	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 03:33	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 03:33	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.5*				*79.0-125*		*08/26/2022 03:33*	WG1916773

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	08/26/2022 03:58	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 03:58	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 03:58	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 03:58	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.5*				*79.0-125*		*08/26/2022 03:58*	WG1916773

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	08/26/2022 04:19	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 04:19	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 04:19	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 04:19	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*95.7*				*79.0-125*		*08/26/2022 04:19*	WG1916773

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	08/26/2022 04:41	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 04:41	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 04:41	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 04:41	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*98.3*				*79.0-125*		*08/26/2022 04:41*	WG1916773

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	08/26/2022 05:02	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 05:02	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 05:02	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 05:02	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.8*				*79.0-125*		*08/26/2022 05:02*	WG1916773

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	08/26/2022 05:24	WG1916773
Toluene	U		0.000412	0.00100	0.00100	1	08/26/2022 05:24	WG1916773
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/26/2022 05:24	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 05:24	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.6*				*79.0-125*		*08/26/2022 05:24*	WG1916773

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	0.000367	J	0.000190	0.000500	0.000500	1	08/26/2022 05:45	WG1916773
Toluene	0.000943	J	0.000412	0.00100	0.00100	1	08/26/2022 05:45	WG1916773
Ethylbenzene	0.000350	J	0.000160	0.000500	0.000500	1	08/26/2022 05:45	WG1916773
Total Xylene	U		0.000510	0.00150	0.00150	1	08/26/2022 05:45	WG1916773
(S) a,a,a-Trifluorotoluene(PID)	*97.2*				*79.0-125*		*08/26/2022 05:45*	WG1916773

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	08/27/2022 00:51	WG1917184
Toluene	0.000546	J	0.000412	0.00100	0.00100	1	08/27/2022 00:51	WG1917184
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/27/2022 00:51	WG1917184
Total Xylene	U		0.000510	0.00150	0.00150	1	08/27/2022 00:51	WG1917184
(S) a,a,a-Trifluorotoluene(PID)	*97.4*				*79.0-125*		*08/27/2022 00:51*	WG1917184

Method Blank (MB)

(MB) R3830907-3 08/25/22 20:04

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)	*98.0*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3830907-1 08/25/22 18:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0467	93.4	77.0-122	
Toluene	0.0500	0.0456	91.2	80.0-121	
Ethylbenzene	0.0500	0.0462	92.4	80.0-123	
Total Xylene	0.150	0.136	90.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*97.5*	*79.0-125*	

Method Blank (MB)

(MB) R3831425-3 08/26/22 20:14

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)	*97.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3831425-1 08/26/22 18:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0479	95.8	77.0-122	
Toluene	0.0500	0.0459	91.8	80.0-121	
Ethylbenzene	0.0500	0.0458	91.6	80.0-123	
Total Xylene	0.150	0.133	88.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*97.8*	*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

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

Project Description: Darr Angell #4

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Phone: 432-686-0086

Client Project # 12572710/01

Lab Project # PLAINSGHD-12572710

Collected by (print): Ryder Livingston

Site/Facility ID # SRS2001-10876

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

No. of Cntrs

Analysis / Container / Preservative

BTEX 40ml Amb-HCl

Chain of Custody Page 1 of 2

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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 # L527745

M133

Acctnum: PLAINSGHD
Template: T202563
Prelogin: P921206
PM: 829 - Brittnie L Boyd
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40ml Amb-HCl	Remarks	Sample # (lab only)
MW-12R-081522	G	GW		8-15-22	1210	3	X		-01
RW-19-081822		GW		8-18-22	1130				-02
MW-17-081822		GW		8-18-22	1040				-03
MW-8R-081622		GW		8-16-22	1045				-04
MW-18-081522		GW		8-15-22	1155				-05
MW-5R-081622		GW		8-16-22	1120				-06
MW-11R-081522		GW		8-15-22	1240				-07
MW-19R-081522		GW		8-15-22	1305				-08
MW-7R-081522		GW		8-15-22	1135				-09
MW-4R-081622	G	GW		8-16-22	1215	3	X		-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	If preservation required by Login: Date/Time
	8/19/22	1100			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.0 °C Bottles Received: 51	
	8/19/22	1250	FedEx		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/20/22 Time: 0800	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

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #4**

City/State Collected: Lovington, NM

Please Circle: PT (MT) CT ET

Phone: **432-686-0086**

Client Project # **12572710/01**

Lab Project # **PLAINSGHD-12572710**

Collected by (print): Ryan Livingston

Site/Facility ID # **SRS2001-10876**

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

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-3R-081522	G	GW		8-15-22	14:25	3	X		-11
RW-5R-081622		GW		8-16-22	1200	3	X		-12
MW-13R-		GW		8-15-22	1124				-13
MW-2R-081522		GW		8-15-22	1338				-14
MW-1R-081522		GW		8-15-22	1045				-15
RW-15-081622		GW		8-16-22	9:55				-16
RW-14-081522		GW		8-15-22	10:30	4			-17
		GW							
		GW							
		GW							

Chain of Custody Page ___ of ___

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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 # U527745

Table #

Acctnum: **PLAINSGHD**

Template: **T202563**

Prelogin: **P921206**

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:

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

	Date:	Time:	
Relinquished by : (Signature)	8/19/22	1100	Received by: (Signature)
Relinquished by : (Signature)	8/19/22	12:58	Received by: (Signature) FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 3.0 °C Bottles Received: 51

Date: 8/20/22 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

November 29, 2022

Revised Report

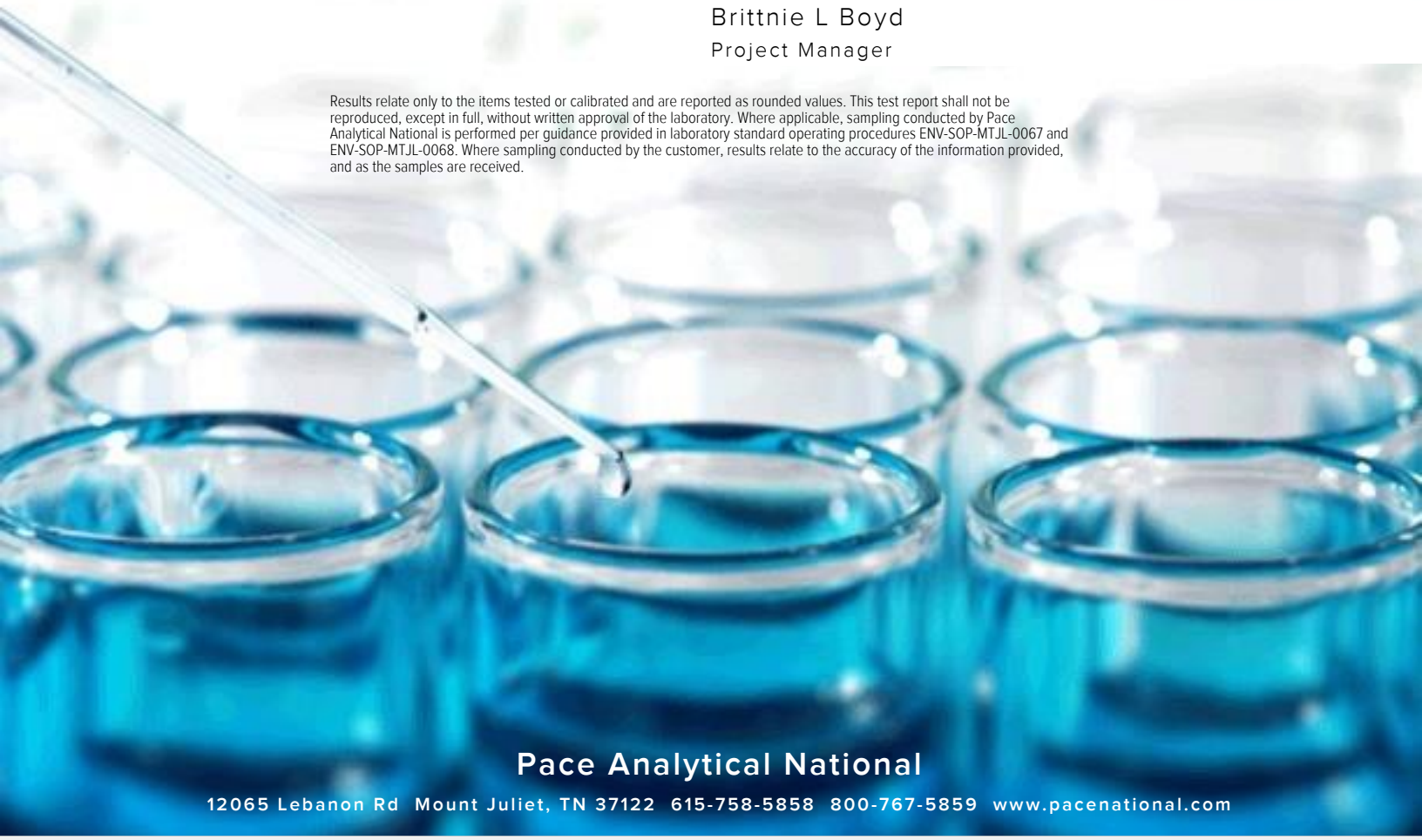
Plains All American, LP - GHD

Sample Delivery Group:	L1557300
Samples Received:	11/12/2022
Project Number:	SRS 2001-10876
Description:	Darr Angell #4
Site:	SRS2001-10876
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

D4-MW-1R-110922 L1557300-01 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 12:10 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 12:37	11/15/22 12:37	BAM	Mt. Juliet, TN

D4-MW-3R-110922 L1557300-02 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 13:30 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 12:59	11/15/22 12:59	BAM	Mt. Juliet, TN

D4-MW-4R-110922 L1557300-03 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 11:30 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 13:21	11/15/22 13:21	BAM	Mt. Juliet, TN

D4-MW-5R-110922 L1557300-04 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 11:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 13:43	11/15/22 13:43	BAM	Mt. Juliet, TN

D4-MW-10R-110922 L1557300-05 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 13:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 14:05	11/15/22 14:05	BAM	Mt. Juliet, TN

D4-MW-11R-110922 L1557300-06 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 13:00 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 14:27	11/15/22 14:27	BAM	Mt. Juliet, TN

D4-MW-12R-110922 L1557300-07 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 12:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 14:49	11/15/22 14:49	BAM	Mt. Juliet, TN

D4-MW-13R-110922 L1557300-08 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 12:20 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 15:11	11/15/22 15:11	BAM	Mt. Juliet, TN

D4-MW-18-110922 L1557300-09 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 12:50 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 15:33	11/15/22 15:33	BAM	Mt. Juliet, TN

D4-MW-17-110922 L1557300-10 GW

Collected by: Mitchell Clemens | Collected date/time: 11/09/22 13:10 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 12:15	11/15/22 12:15	BAM	Mt. Juliet, TN

D4-MW-2R-111022 L1557300-11 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 09:50 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 15:55	11/15/22 15:55	BAM	Mt. Juliet, TN

D4-MW-7R-111022 L1557300-12 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 09:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 16:17	11/15/22 16:17	BAM	Mt. Juliet, TN

D4-RW-5R-111022 L1557300-13 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 09:20 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 16:38	11/15/22 16:38	BAM	Mt. Juliet, TN

D4-RW-19-111022 L1557300-14 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 09:45 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 17:00	11/15/22 17:00	BAM	Mt. Juliet, TN

D4-MW-8R-111022 L1557300-15 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 10:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 17:22	11/15/22 17:22	BAM	Mt. Juliet, TN

D4-RW-14-111022 L1557300-16 GW

Collected by: Mitchell Clemens | Collected date/time: 11/10/22 11:40 | Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 17:44	11/15/22 17:44	BAM	Mt. Juliet, TN

D4-RW-15-111022 L1557300-17 GW

Collected by: Mitchell Clemens
Collected date/time: 11/10/22 11:50
Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 18:06	11/15/22 18:06	BAM	Mt. Juliet, TN

D4-DUP-1-111022 L1557300-18 GW

Collected by: Mitchell Clemens
Collected date/time: 11/10/22 00:00
Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 18:28	11/15/22 18:28	BAM	Mt. Juliet, TN

D4-DUP-2-111022 L1557300-19 GW

Collected by: Mitchell Clemens
Collected date/time: 11/10/22 00:00
Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 18:50	11/15/22 18:50	BAM	Mt. Juliet, TN

EQUIP-BLANK L1557300-20 GW

Collected by: Mitchell Clemens
Collected date/time: 11/10/22 00:00
Received date/time: 11/12/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1959879	1	11/15/22 19:11	11/15/22 19:11	BAM	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: 11/21/22 16:44

Project Narrative

Corrected Sample IDs

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: 11/29/2022 15:01
Project Name: Darr Angell #4	Laboratory Job Number: L1557300-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1959879

#[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: 11/29/2022 15:01
Project Name: Darr Angell #4	Laboratory Job Number: L1557300-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1959879

#[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: 11/29/2022 15:01
Project Name: Darr Angell #4	Laboratory Job Number: L1557300-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1959879

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).

D4-MW-IR-110922
Collected date/time: 11/09/22 12:10
L1557300

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	11/15/2022 12:37	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 12:37	WG1959879
Ethylbenzene	0.000386	B J	0.000160	0.000500	0.000500	1	11/15/2022 12:37	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 12:37	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/15/2022 12:37*	WG1959879

D4-MW-3R-110922
Collected date/time: 11/09/22 13:30
L1557300

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	11/15/2022 12:59	WG1959879
Toluene	0.000428	B J	0.000412	0.00100	0.00100	1	11/15/2022 12:59	WG1959879
Ethylbenzene	0.000372	B J	0.000160	0.000500	0.000500	1	11/15/2022 12:59	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 12:59	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/15/2022 12:59*	WG1959879

D4-MW-4R-110922
Collected date/time: 11/09/22 11:30
L1557300

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	11/15/2022 13:21	WG1959879
Toluene	0.000427	B J	0.000412	0.00100	0.00100	1	11/15/2022 13:21	WG1959879
Ethylbenzene	0.000347	B J	0.000160	0.000500	0.000500	1	11/15/2022 13:21	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 13:21	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/15/2022 13:21*	WG1959879

D4-MW-3R-110922
Collected date/time: 11/09/22 11:40
L1557300

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	11/15/2022 13:43	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 13:43	WG1959879
Ethylbenzene	0.000352	B J	0.000160	0.000500	0.000500	1	11/15/2022 13:43	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 13:43	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 13:43*	WG1959879

D4-MW-10R-110922
Collected date/time: 11/09/22 13:40
L1557300

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	11/15/2022 14:05	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 14:05	WG1959879
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/15/2022 14:05	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 14:05	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 14:05*	WG1959879

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

D4-MW-TR-110922
Collected date/time: 11/09/22 13:00
L1557300

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	11/15/2022 14:27	WG1959879
Toluene	0.000470	B J	0.000412	0.00100	0.00100	1	11/15/2022 14:27	WG1959879
Ethylbenzene	0.000349	B J	0.000160	0.000500	0.000500	1	11/15/2022 14:27	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 14:27	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/15/2022 14:27*	WG1959879

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

D4-MW-12R-110922
Collected date/time: 11/09/22 12:40
L1557300

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	11/15/2022 14:49	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 14:49	WG1959879
Ethylbenzene	0.000764	B	0.000160	0.000500	0.000500	1	11/15/2022 14:49	WG1959879
Total Xylene	0.000633	J	0.000510	0.00150	0.00150	1	11/15/2022 14:49	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/15/2022 14:49*	WG1959879

D4-MW-ISR-110922
Collected date/time: 11/09/22 12:20
L1557300

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	11/15/2022 15:11	WG1959879
Toluene	0.000433	B J	0.000412	0.00100	0.00100	1	11/15/2022 15:11	WG1959879
Ethylbenzene	0.000342	B J	0.000160	0.000500	0.000500	1	11/15/2022 15:11	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 15:11	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 15:11*	WG1959879

D4-MW-18-110922
Collected date/time: 11/09/22 12:50
L1557300

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	11/15/2022 15:33	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 15:33	WG1959879
Ethylbenzene	0.000316	B J	0.000160	0.000500	0.000500	1	11/15/2022 15:33	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 15:33	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/15/2022 15:33*	WG1959879

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

D4-MW-17-110922
Collected date/time: 11/09/22 13:10
L1557300

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	0.000322	J	0.000190	0.000500	0.000500	1	11/15/2022 12:15	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 12:15	WG1959879
Ethylbenzene	0.000264	B J	0.000160	0.000500	0.000500	1	11/15/2022 12:15	WG1959879
Total Xylene	0.000820	J	0.000510	0.00150	0.00150	1	11/15/2022 12:15	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 12:15*	WG1959879

D4-MW-ZR-111022
Collected date/time: 11/10/22 09:50
L1557300

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	11/15/2022 15:55	WG1959879
Toluene	0.000432	B J	0.000412	0.00100	0.00100	1	11/15/2022 15:55	WG1959879
Ethylbenzene	0.000323	B J	0.000160	0.000500	0.000500	1	11/15/2022 15:55	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 15:55	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 15:55*	WG1959879

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	11/15/2022 16:17	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 16:17	WG1959879
Ethylbenzene	0.000338	B J	0.000160	0.000500	0.000500	1	11/15/2022 16:17	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 16:17	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 16:17*	WG1959879

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	11/15/2022 16:38	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 16:38	WG1959879
Ethylbenzene	0.000193	B J	0.000160	0.000500	0.000500	1	11/15/2022 16:38	WG1959879
Total Xylene	0.00106	J	0.000510	0.00150	0.00150	1	11/15/2022 16:38	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 16:38*	WG1959879

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	11/15/2022 17:00	WG1959879
Toluene	0.000536	B J	0.000412	0.00100	0.00100	1	11/15/2022 17:00	WG1959879
Ethylbenzene	0.000540	B	0.000160	0.000500	0.000500	1	11/15/2022 17:00	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 17:00	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/15/2022 17:00*	WG1959879

D4-MW-8R-111022
Collected date/time: 11/10/22 10:40
L1557300

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	11/15/2022 17:22	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 17:22	WG1959879
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/15/2022 17:22	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 17:22	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 17:22*	WG1959879

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	0.000486	J	0.000190	0.000500	0.000500	1	11/15/2022 17:44	WG1959879
Toluene	0.00159	B	0.000412	0.00100	0.00100	1	11/15/2022 17:44	WG1959879
Ethylbenzene	0.000381	B J	0.000160	0.000500	0.000500	1	11/15/2022 17:44	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 17:44	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 17:44*	WG1959879

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	0.000244	J	0.000190	0.000500	0.000500	1	11/15/2022 18:06	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 18:06	WG1959879
Ethylbenzene	0.000245	B J	0.000160	0.000500	0.000500	1	11/15/2022 18:06	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 18:06	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 18:06*	WG1959879

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	0.000404	J	0.000190	0.000500	0.000500	1	11/15/2022 18:28	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 18:28	WG1959879
Ethylbenzene	0.000343	B J	0.000160	0.000500	0.000500	1	11/15/2022 18:28	WG1959879
Total Xylene	0.00107	J	0.000510	0.00150	0.00150	1	11/15/2022 18:28	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 18:28*	WG1959879

D4-DUP-2-111022
Collected date/time: 11/10/22 00:00
L1557300

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	11/15/2022 18:50	WG1959879
Toluene	U		0.000412	0.00100	0.00100	1	11/15/2022 18:50	WG1959879
Ethylbenzene	0.000279	B J	0.000160	0.000500	0.000500	1	11/15/2022 18:50	WG1959879
Total Xylene	0.000522	J	0.000510	0.00150	0.00150	1	11/15/2022 18:50	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/15/2022 18:50*	WG1959879

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	11/15/2022 19:11	WG1959879
Toluene	0.000464	B J	0.000412	0.00100	0.00100	1	11/15/2022 19:11	WG1959879
Ethylbenzene	0.000342	B J	0.000160	0.000500	0.000500	1	11/15/2022 19:11	WG1959879
Total Xylene	U		0.000510	0.00150	0.00150	1	11/15/2022 19:11	WG1959879
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/15/2022 19:11*	WG1959879

Method Blank (MB)

(MB) R3862409-2 11/15/22 11:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000598	J	0.000412	0.00100
Ethylbenzene	0.000318	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*108*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3862409-1 11/15/22 10:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0572	114	77.0-122	
Toluene	0.0500	0.0491	98.2	80.0-121	
Ethylbenzene	0.0500	0.0566	113	80.0-123	
Total Xylene	0.150	0.152	101	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*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
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.

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
Report to: John Fergerson	Email To:
Project Description: Darr Angell #4	City/State Collected: NM; Please Circle: PT MT CT ET
Phone: 432-894-7848	Client Project # SRS 2001-10876; Lab Project # PLAINSGHD-12572710
Collected by (print): Mitchell Clemen	Site/Facility ID # SRS 2001-10876; P.O. #
Collected by (signature): Mitchell Clemen	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
Immediately Packed on Ice N ___ Y √	

Analysis / Container / Preservative: BTEX 8021 40mLAmb-HCL; PAHSIMLVI 40mLAmb-NoPres-WT

Chain of Custody Page ___ of ___

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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

SDG # L1557300
Table #
Acctnum: PLAINSGHD
Template: T217802
Prelogin: P960986
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)
D4-MW-1R-110922	Grab	GW	-	11-9-22	12:10	3	X			-01 ~~11~~
D4-MW-3R-110922	↓	↓	↓	↓	13:30	↓	↓			-02 ~~12~~
D4-MW-4R-110922					11:30					-03 ~~13~~
D4-MW-5R-110922					11:40					-04 ~~14~~
D4-MW-10R-110922					13:40					-05 ~~15~~
D4-MW-11R-110922					13:00					-06 ~~16~~
D4-MW-12R-110922					12:40					-07 ~~17~~
D4-MW-13R-110922					12:20					-08 ~~18~~
D4-MW-18-110922					12:50					-09 ~~19~~
D4-MW-17-110922					13:10					-10 ~~20~~

NV 11/29/22

* 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)	
[signature]	11/11/22	0830	Kendell Shumpkin	Trip Blank Received: Yes / (No) HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.0+0=2.1 °C Bottles Received: 60
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 11/12 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

Report to: **John Fergerson**

Email To:

Project Description: Darr Angell #4

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **SRS 2001-10876**

Lab Project # **PLAINSGHD-12572710**

Collected by (print): Mitchell Clem

Site/Facility ID # **SRS 2001-10876**

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

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No of Cntrs	BTEX 8021 40mLAmb-HCL	PAHSIMLVI 40mLAmb-NoPres-WT
D4-MW-2R-111022	Grab	GW	-	11-10-22	9:50	3	X	
D4-MW-7R-111022					9:40			
D4-RW-5R-111022					9:20			
D4-RW-19-111022					9:45			
D4-MW-8R-111022					10:40			
D4-RW-14-111022					11:40			
D4-RW-15-111022					11:50			
D4-DUP-1-111022				11-9-22	-			
D4-DUP-2-111022				11-10-22	-			
Equip-blank		OT	-	11-9-22	-			

Chain of Custody Page ___ o

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12065 Lebanon Rd Mount Juliet, TN 3712
Phone: 615-758-5858 Alt: 800-767-5859

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

SDG # 155 Ba
J193

Acctnum: PLAINSGHD
Template: T217802
Prelogin: P960986
PM: Brittnie L Boyd
PB:
Shipped Via:

Remarks	Sample # (lab on
-11	01
-12	02
-13	03
-14	04
-15	05
-16	06
-17	07
-18	08
-19	09
-20	10

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

Remarks: Some samples taken on 11-10-22 were marked for 11-9-22, those dates were crossed out and corrected

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

Sample Receipt Checklist

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

	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	11/11/22	0830	Kendall Limb
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp °C Bottles Received:
2.4 to 22.1 60

Date: 11/12 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 202804

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 202804
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	1. Continue NMOCD-approved quarterly groundwater monitoring events for sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells. 2. Conduct quarterly enhanced fluid recovery (EFR) events on recovery well RW-4R to reduce and remove LNAPL plume. 3. Conduct weekly BTEX abatement in conjunction with LNAPL abatement on recovery wells RW-3R, RW-4R, RW-9, RW-10R, RW-16, RW-17, and RW-18. 4. Complete and submit a Work Plan for plugging and abandoning of monitoring wells and recovery wells considered dry due to a lack of fluid column or gauged dry. Drill and install replacement monitoring and recovery wells to evaluate the Site's groundwater conditions and maintain delineation, and to evaluate the extent a magnitude of the LNAPL plume. 5. Survey the new monitoring well's top-of-casing and ground surface elevations and re-survey the existing monitoring well and recovery well's top-of-casing and ground surface elevations. -Submit Annual by 3/31/24	5/10/2023