2022 Annual Groundwater Monitoring Report

Darr Angell No. 1
Plains SRS Darr Angell #1
Lea County, New Mexico
NMOCD Abatement Permit No. AP-007
Incident ID # nAPP2108851028

Plains All American Pipeline, L.P.

March 29, 2023

Review of Darr Angell No. 1 2022 Annual Groundwater Monitoring Report: **Content Satisfactory**

1. Continue NMOCD-approved quarterly groundwater monitoring events, including sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring and recovery wells with no measurable thickness of LNAPL exhibited on the groundwater.
2. Complete and submit a Work Plan for the plugging and abandonment of monitoring and recovery wells considered dry due to a consistent lack of fluid column and/or gauged dry. Drill and install replacement monitoring wells to evaluate groundwater conditions and maintain plume delineation and replacement recovery wells to enhance LNAPL recovery and to further delineate the extent and magnitude of the plume.
3. 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 (NMOCD) requirements. This report provides the quarterly results of groundwater sampling events and remediation activities completed at Darr Angell No. 1 (Site) during 2022. Quarterly groundwater monitoring events were performed on February 10 and 25, 2022, May 4 - 5, 2022, August 22 - 23, 2022, and November 7 - 8, 2022.

1.1 Site Location and History

The Site is located approximately 11.9 miles northeast of Lovington and in the NW ¼, SE ¼, Section 11, Township 15 South, Range 37 East in Lea County, New Mexico (Site). The coordinates of this Site are 33.0266°N and 103.1666°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.

A crude oil release occurred on May 1, 1997, from an 8-inch EOTT pipeline. The cause of the release was reportedly due to internal pipeline corrosion. On May 1, 1997, 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 approximately 25 barrels (bbls) of crude oil with 15 bbls recovered during initial response actions. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A.

On May 29, 2004, Nova Training and Environmental (NOVA) assumed Site groundwater project management and remediation responsibilities. NOVA drilled and installed 30 monitoring and recovery wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-20, RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, RW-8, RW-9, and RW-10) to delineate the extent and evaluate the concentrations of contaminants of concern (COCs) in impacted groundwater and/or the magnitude and extent of light non-aqueous phase liquid (LNAPL). On May 2, 2011, Conestoga Rovers and Associates, Inc (CRA) (currently known as GHD Services, Inc. [GHD]) assumed Site groundwater project management and remediation responsibilities. Results of groundwater monitoring events and LNAPL recovery prior to May 2, 2011, were provided by Plains.

In October 2014, GHD provided oversight of the plugging and abandonment (P&A) of three (3) monitoring wells (MW-17, MW-19, and MW-20). GHD also provided oversight of the drilling and installation of three (3) monitoring wells (MW-17R, MW-19R, and MW-20R) to maintain plume delineation and two (2) recovery wells (RW-13 and RW-14) to further delineate the magnitude and extent of the LNAPL plume. In February 2017, GHD provided oversight of the plugging and abandonment of four (4) monitoring wells (MW-12, MW-15, MW-16, and MW-18). GHD also provided oversight of the drilling and installation of five (5) monitoring wells (MW-12R, MW-16R, MW-8R, MW-22, and MW-23) to maintain and further delineate groundwater conditions at the Site and one (1) recovery well (RW-12) to further delineate the magnitude and extent of the LNAPL plume. On February 19, 2020, GHD provided oversight to the plugging and abandonment of five (5) monitoring wells (MW-3, MW-11, MW-13, MW-14, and MW-21), and two (2) recovery wells (RW-1 and RW-2). From February 26 through March 3, 2020, GHD provided oversight of the drilling and installation of four (4) monitoring wells (MW-11R, MW-21R, MW-24, and MW-25) and six (6) recovery wells (RW-1R, RW-15, RW-16, RW-17, RW-18, and RW-19) for further plume delineation, evaluate the concentrations of COCs in impacted groundwater, and evaluate the magnitude and extent of the LNAPL plume. A detailed map of the Site with monitoring and recovery well locations depicted is provided on Figure 2.

Currently, the Site has a network of 39 monitoring and recovery wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-23, MW-24, MW-25, RW-1R, RW-3, RW-4, RW-5, RW-6, RW-7, RW-8, RW-9, RW-10, RW-11, RW-12, 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

concentrations of COCs in impacted groundwater and evaluate the magnitude and extent of the LNAPL plume. All Site monitoring and recovery wells were installed by a licensed New Mexico well driller 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 39 groundwater monitoring and recovery wells at the Site.

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 20.6.2.3103 Section A. The COCs in affected groundwater at the Site are BTEX and PAH. In this Report, groundwater analytical results for the COCs are compared to the NMWQCC standards. For PAH compounds with an undefined NMWQCC standard, the NMOCD requires a concentration of 0.001 milligram per Liter (mg/L) or less.

Table 1 NMWQCC Human Health Standards

Contaminants of Concern	Standards
Benzene	0.01 mg/L
Toluene	0.75 mg/L
Ethylbenzene	0.75 mg/L
Total Xylenes	0.62 mg/L
Benzo(a)pyrene	0.0002 mg/L
Total Naphthalene, 1-Monomethylnaphthalene, and 2-Monomethylnapthalene	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 performed on February 10 and 25, 2022, May 4 - 5, 2022, August 22 - 23, 2022, and November 7 - 8, 2022. Static fluid levels were gauged with an electronic 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 and recovery well, a sample of groundwater was collected using the PVC bailer. Laboratory-supplied containers were filled with groundwater directly from the PVC bailer. The collected samples were labeled with corresponding well information and immediately placed on ice and chilled to a temperature of approximately

4 degrees Celsius (°C) (40 degrees Fahrenheit [°F]). Included in the cooler for quality assurance and quality control (QA/QC) were Duplicate and Trip Blank samples. Proper chain-of-custody documentation accompanied samples to Pace Analytical Laboratory in Mt. Juliet, Tennessee. Samples collected for each quarterly monitoring event were submitted for analysis of BTEX by Environmental Protection Agency (EPA) Method SW846-8021B.

During the fourth quarterly monitoring event, 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, as required by the NMOCD.

Purge 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 licensed disposal facility as directed by Plains. Disposal records are available upon request.

3.2 Potentiometric Surface and Gradient

The direction of groundwater flow was generally southeast during the quarterly gauging events. The average gradient of the potentiometric surface during 2022 was 0.001 feet/foot (ft./ft.), which indicated the average gradient remained steady between November 2021 and November 2022. Magnitudes and direction of these gradients were similar to those recorded during previous monitoring events. Measured depths to groundwater and calculated elevations of the potentiometric surface recorded during 2022 are provided in Table 1.

All monitoring and recovery wells measured exhibited net declines of the elevations of the potentiometric surface between November 2021 and November 2022. The annual evaluation of the potentiometric surface indicated groundwater elevations had declined an average of 0.76 ft. between November 2021 and November 2022. The changes in the groundwater gradients and levels may be attributed to seasonal weather fluctuations. Potentiometric surface maps for the quarterly monitoring events are depicted on Figures 3, 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 Liquids (LNAPL)

Measurable thicknesses of LNAPL were found in monitoring and recovery wells: MW-1 (0.72 ft., 0.54 ft., and 0.18 ft.,) during the first, second, and fourth quarterly monitoring events; MW-5 (3.92 ft., 1.36 ft., 1.48 ft., and 0.87 ft.) during all quarterly monitoring events; MW-8 (0.47 ft., 0.12 ft., 0.13 ft., and 0.16 ft.) during all quarterly monitoring events; MW-9 (1.64 ft. and 1.46 ft) during the first and second quarterly monitoring events; MW-23 (5.09 ft., 1.45 ft., 1.47 ft., and 0.53 ft.) during all quarterly monitoring events; RW-1R (5.98 ft., 5.02 ft., 4.40 ft., and 4.93 ft.) during all quarterly monitoring events; RW-4 (0.20 ft. and 0.03 ft.) during the first and second quarterly monitoring events; RW-7 (0.32 ft. and 0.14 ft) during the first and second quarterly monitoring events; RW-9 (0.20 ft., 0.04 ft., 0.05 ft., and 0.07 ft.) during all quarterly monitoring events; RW-11 (3.60 ft., 1.15 ft., 0.94 ft., and 1.09 ft.) during all quarterly monitoring events; RW-13 (4.40 ft., 2.04 ft., and 5.92 ft.) during the first, second, and fourth quarterly monitoring events; RW-14 (7.25 ft., 3.21 ft., 3.00 ft., and 2.25 ft.) during all quarterly monitoring events; RW-15 (1.59 ft., 0.90 ft., 0.60 ft., and 1.27 ft.) during all quarterly monitoring events; RW-16 (5.70 ft., 5.88 ft., and 6.83 ft.) during the first, second, and fourth quarterly monitoring events; RW-17 (6.08 ft., 5.23 ft., 5.25 ft., and 4.68 ft.) during all quarterly monitoring events; RW-18 (5.11 ft., 5.14 ft., and 5.82 ft.) during the first, second, and fourth quarterly monitoring events; and RW-19 (6.18 ft., 4.88 ft., 3.23 ft., and 1.49 ft.) during all quarterly monitoring events. The LNAPL thickness decreased by a net average of 1.75 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 criteria. The analytical results for all Site monitoring and recovery wells for each respective quarterly sampling

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

3.4.1 First Quarter Summary

GHD conducted the first quarterly groundwater gauging, purging, and sampling event on February 10 and 25, 2022. Monitoring wells (MW-4 and MW-10), and recovery wells (RW-3, RW-5, RW-6, RW-8, and RW-10) were gauged dry. Measurable thicknesses of LNAPL were gauged in monitoring wells MW-1 (0.72 ft.), MW-5 (3.92 ft.), MW-8 (0.47 ft.), MW-9 (1.64 ft.), and MW-23 (5.09 ft.), and in recovery wells RW-1R (5.98 ft.), RW-4 (0.20 ft.), RW-7 (0.32 ft.), RW-9 (0.20 ft.), RW-11 (3.60 ft.), RW-13 (4.40 ft.), RW-14 (7.25 ft.), RW-15 (1.59 ft.), RW-16 (5.70 ft.), RW-17 (6.08 ft.), RW-18 (5.11 ft.), and RW-19 (6.18 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-2, MW-6, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-24, and MW-25), and recovery well (RW-12). A groundwater sample was not collected from monitoring well MW-7 due to a reduced sampling schedule to semi-annual, which was approved by the NMOCD in March 2020. Approximately 115 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated no monitoring or recovery wells exhibited BTEX concentrations greater than NMWQCC criteria. 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 4 - 5, 2022. Monitoring wells (MW-4 and MW-10), and recovery wells (RW-3, RW-5, RW-6, RW-8, and RW-10) were gauged dry. Measurable thicknesses of LNAPL were gauged in monitoring wells MW-1 (0.54 ft.), MW-5 (1.36 ft.), MW-8 (0.12 ft.), MW-9 (1.46 ft.), and MW-23 (1.45 ft.), and in recovery wells RW-1R (5.02 ft.), RW-4 (0.03 ft.), RW-7 (0.14 ft.), RW-9 (0.04 ft.), RW-11 (1.15 ft.), RW-13 (2.04 ft.), RW-14 (3.21 ft.), RW-15 (0.90 ft.), RW-16 (5.88 ft.), RW-17 (5.23 ft.), RW-18 (5.14 ft.), and RW-19 (4.88 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-2, MW-6, MW-7, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-24, and MW-25), and recovery well (RW-12). Approximately 112 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated no monitoring or recovery wells exhibited BTEX concentrations greater than the NMWQCC criteria. No field duplicate 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 22 - 23, 2022. Monitoring wells (MW-1, MW-4, and MW-10), and recovery wells (RW-3, RW-5, RW-6, RW-7, RW-8, and RW-10) were gauged dry. Monitoring well (MW-2) was considered dry due to an insufficient column of groundwater in the well, monitoring well MW-9 fluid levels were not recorded due to an obstruction in the well. Recovery wells RW-13, RW-16, and RW-18 were not gauged due to pumps remaining in the wells. Measurable thicknesses of LNAPL were gauged in monitoring wells MW-5 (1.48 ft.), MW-8 (0.13 ft.), and MW-23 (1.47 ft.), and in recovery wells RW-1R (4.40 ft.), RW-9 (0.05 ft.), RW-11 (0.94 ft.), RW-14 (3.00 ft.), RW-15 (0.60 ft.), RW-17 (5.25 ft.), and RW-19 (3.23 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-6, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-24, and MW-25), and recovery well (RW-12). A groundwater sample was not collected from monitoring well MW-7 due a reduced sampling schedule of semi-annually. Approximately 107 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated no monitoring or recovery wells exhibited BTEX concentrations greater than the NMWQCC criteria. No field duplicate 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 7 - 8, 2022. Monitoring wells (MW-2, MW-4, and MW-10), and recovery wells (RW-3, RW-4, RW-5, RW-6, RW-7, RW-8, and RW-10) were gauged dry. Monitoring well MW-9 fluid levels were not recorded due to an obstruction in the well. Measurable thicknesses of LNAPL were gauged in monitoring wells MW-1 (0.18 ft.), MW-5 (0.87 ft.), MW-8 (0.16 ft.), and MW-23 (0.53 ft.), and in recovery wells RW-1R (4.93 ft.), RW-9 (0.07 ft.), RW-11 (1.09 ft.), RW-13 (5.92 ft.), RW-14 (2.25 ft.), RW-15 (1.27 ft.), RW-16 (6.83 ft.), RW-17 (4.68 ft.), RW-18 (5.82 ft.), and RW-19 (1.49 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-06, MW-07, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-24, and MW-25), and recovery well (RW-12). Approximately 117 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated no monitoring or recovery wells exhibited BTEX concentrations greater than NMWQCC criteria. 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.

No groundwater samples were submitted for analysis of PAH due to sampled monitoring and recovery wells meeting the two consecutive year criteria for PAH constituents being less than the NMWQCC Human Health Standard.

4. Remediation Activities

GHD field personnel conducted weekly LNAPL abatement via hand bailing or monsoon pump. Approximately 505 gallons of LNAPL were recovered during 2022.

A trailer-mounted mobile dual-phase extraction unit was installed and began operating at the Site in October 2012. LNAPL and impacted groundwater recovery is conducted daily via trailer-mounted, automated system which operates four (4) total-fluid recovery pumps with vacuum for enhanced fluid recovery. The pumps were installed and operated in recovery wells (RW-13, RW-16, and RW-18) throughout 2022. The fourth pump did not operate during 2022 and is presently being evaluated for either repairs or replacement. GHD field personnel performed routine operation and maintenance (O&M) activities each week to maintain efficient system operation and fluid recovery. O&M activities included inspections of well-heads and flow lines, servicing the air supply, vacuum and total fluid pumps, adjustment of pump depths, gauging of recovered fluid levels in the storage tank, and general housekeeping tasks. For 2022, the remediation system operated for 222 days with approximately 1,628 gallons of LNAPL and approximately 11,014 gallons of impacted groundwater being recovered in the on-Site AST. All recovered fluids were later transported off-site for disposal to a NMOCD-approved disposal facility.

On March 28, 2022, June 6, 2022, and September 12, 2022, air samples were collected from the vacuum system's effluent discharge and were used to calculate emission rates and total emissions. During September, the vacuum system was shut down; therefore, an air sample was not collected during the fourth quarter. For 2022, calculations using the designed effluent flow rate of 40 cubic feet per minute determined the total maximum rate of emissions was 5.0511 pounds (lbs.) of total petroleum hydrocarbons per hour (TPH/hour) with a total mass of emissions of 3.900 tons of TPH.

5. Summary of Findings

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

– Measurable LNAPL thicknesses were measured on the groundwater of monitoring and recovery wells (MW-1, MW-5, MW-8, MW-9, MW-23, RW-1R, RW-4, RW-7, RW-9, RW-11, RW-13, RW-14, RW-15, RW-16, RW-17,

RW-18, and RW-19) during the four quarterly monitoring events. Monitoring wells (MW-1, MW-5, MW-8, MW-9, and MW-23), and recovery wells (RW-1R, RW-4, RW-7, RW-9, RW-11, RW-13, RW-14, RW-16, RW-17, RW-18, and RW-19) exhibited a decrease in LNAPL thickness and recovery well (RW-15) exhibited an increase in LNAPL thickness. Overall, the LNAPL thickness decreased by a net average of 1.75 ft. between November 2021 and November 2022.

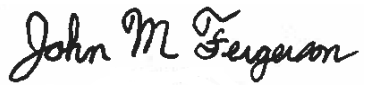
- Monitoring well (MW-1) was gauged dry during the third quarterly monitoring event in 2022. MW-2 was considered dry during the third quarterly monitoring event and gauged dry during the fourth quarterly monitoring event. Monitoring wells (MW-4 and MW-10) were gauged dry during all quarterly monitoring events. Monitoring well (MW-9) was gauged dry during the first quarterly monitoring event. Recovery wells (RW-3, RW-5, RW-6, RW-8, and RW-10) were gauged dry during all quarterly monitoring events. Recovery wells (RW-4 and RW-7) were gauged dry during the third and fourth quarterly monitoring events.
- Monitoring well (MW-9) was determined to have an obstruction in the well and fluid levels were not recorded during the third and fourth quarterly events.
- The groundwater flow direction was generally southeast during the quarterly events. The average gradient of the potentiometric surface during 2022 was 0.001 ft./ft.
- The potentiometric surface indicates groundwater elevations have declined an average of 0.76 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-2, MW-6, MW-6R, MW-7, MW-11R, MW-12R, MW-16R, MW-17R, MW-18R, MW-19R, MW-20R, MW-21R, MW-22, MW-24, and MW-25), and recovery well (RW-12) were purged and sampled using a hand bailer for determination of the BTEX concentrations. MW-2 was only sampled during the first and second quarterly events due to the well being considered dry during the third quarterly event and gauged dry during the fourth quarterly event. MW-7 was only sampled during the second and fourth quarterly events due to a semi-annual sampling schedule approved by the NMOCD.
- BTEX concentrations were less than NMWQCC criteria for all monitoring and recovery wells sampled during the quarterly events.
- Weekly LNAPL abatement was conducted during 2022 with approximately 505 gallons recovered.
- For 2022, the remediation system operated for 222 days. Remediation pumps operated in RW-13, RW-16, and RW-18 and recovered approximately 1,628 gallons of LNAPL and 11,014 gallons of impacted groundwater.
- A fourth total-fluid recovery pump did not operate in a well during 2022 due to needed repairs.
- The remediations system's vacuum system operated during the first, second, and third quarters with a rate of emissions of 5.0511 lbs. of TPH/hour and with a total emissions mass of 3.900 tons of TPH.
- The vacuum system was shut down in mid-September 2022 and an air sample was not collected during the fourth quarter due to the vacuum system being shut down.

6. Recommendations

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

- Continue NMOCD-approved quarterly groundwater monitoring events, including sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring and recovery wells with no measurable thickness of LNAPL exhibited on the groundwater.
- Continue weekly LNAPL abatement via hand-bailing or monsoon pump on monitoring and recovery wells with no pump installed and have $\geq$ 1.0 ft. of LNAPL on the groundwater.
- Conduct quarterly enhanced fluid recovery (EFR) events on monitoring and recovery wells with $\geq$ 1.0 ft. of LNAPL on the groundwater.
- Continue daily operation of the trailer mounted, automated remediation system.

- Have total-fluid recovery pump repaired or replaced and put back into operation.
- Perform vacuum line and well attachment apparatus repairs and upgrade the system with new gauges and air flow meters to resume operation and provide performance information.
- Continue weekly operation, maintenance, and evaluation of the remediation system.
- Complete and submit a Work Plan for the plugging and abandonment of monitoring and recovery wells considered dry due to a consistent lack of fluid column and/or gauged dry. Drill and install replacement monitoring wells to evaluate groundwater conditions and maintain plume delineation and replacement recovery wells to enhance LNAPL recovery and to further delineate the extent and magnitude of the plume.



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. 1 SRS Darr Angell #1
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-1	2/28/17	3787.62	LNAPL	65.00	4.03	--	69.03
MW-1	4/3/17	3787.62	--	--	--	--	--
MW-1	5/10/17	3787.62	--	--	--	--	--
MW-1	5/30/17	3787.62	LNAPL	65.12	4.10	--	69.22
MW-1	6/6/17	3787.62	--	--	--	--	--
MW-1	6/14/17	3787.62	--	--	--	--	--
MW-1	7/6/17	3790.02	--	--	--	--	--
MW-1	7/14/17	3790.02	--	--	--	--	--
MW-1	7/26/17	3790.02	--	--	--	--	--
MW-1	8/1/17	3790.02	--	--	--	--	--
MW-1	8/10/17	3790.02	--	--	--	--	--
MW-1	8/30/17	3790.02	LNAPL	65.34	3.89	--	69.23
MW-1	9/6/17	3790.02	--	--	--	--	--
MW-1	9/12/17	3790.02	--	--	--	--	--
MW-1	9/20/17	3790.02	--	--	--	--	--
MW-1	10/12/17	3790.02	--	--	--	--	--
MW-1	10/18/17	3790.02	--	--	--	--	--
MW-1	10/24/17	3790.02	--	--	--	--	--
MW-1	11/22/17	3790.02	--	--	--	--	--
MW-1	11/30/17	3790.02	LNAPL	64.50	3.82	--	68.32
MW-1	12/5/17	3790.02	--	--	--	--	--
MW-1	12/12/17	3790.02	--	--	--	--	--
MW-1	12/20/17	3790.02	--	--	--	--	--
MW-1	2/27/18	3790.02	LNAPL	64.80	3.40	--	68.20
MW-1	5/29/18	3790.02	LNAPL	65.87	3.26	--	69.13
MW-1	8/29/18	3790.02	LNAPL	65.95	3.18	--	67.16
MW-1	10/3/18	3790.02	--	--	--	--	--
MW-1	11/27/18	3790.02	LNAPL	65.10	3.17	--	68.27
MW-1	1/29/19	3790.02	--	--	--	--	--
MW-1	2/5/19	3790.02	--	--	--	--	--
MW-1	2/25/19	3790.02	LNAPL	65.30	2.97	--	--
MW-1	3/6/19	3790.02	-	-	-	--	--
MW-1	4/30/19	3790.02	69.33	66.39	2.94	--	--
MW-1	5/20/19	3790.02	LNAPL	66.48	2.63	--	--
MW-1	6/11/19	3790.02	--	--	--	--	--
MW-1	6/18/19	3790.02	--	--	--	--	--
MW-1	6/25/19	3790.02	--	--	--	--	--
MW-1	7/2/19	3790.02	--	--	--	--	--
MW-1	7/8/19	3790.02	--	--	--	--	--
MW-1	7/22/19	3790.02	LNAPL	66.65	2.56	--	69.21
MW-1	8/6/19	3790.02	--	--	--	--	--
MW-1	8/13/19	3790.02	--	--	--	--	--
MW-1	8/20/19	3790.02	--	--	--	--	--
MW-1	8/28/19	3790.02	--	--	--	--	--
MW-1	9/10/19	3790.02	--	--	--	--	--
MW-1	9/25/19	3790.02	--	--	--	--	--
MW-1	10/2/19	3790.02	--	--	--	--	--
MW-1	10/21/19	3790.02	68.19	65.82	2.37	3723.75	69.35
MW-1	10/23/19	3790.02	LNAPL	66.82	2.53	--	-
MW-1	11/20/19	3790.02	--	--	--	--	--
MW-1	12/11/19	3790.02	--	--	--	--	--
MW-1	12/18/19	3790.02	--	--	--	--	--
MW-1	12/24/19	3790.02	--	--	--	--	--
MW-1	1/8/20	3790.02	--	--	--	--	--
MW-1	1/15/20	3790.02	--	--	--	--	--
MW-1	1/29/20	3790.02	--	--	--	--	--
MW-1	2/11/20	3790.02	LNAPL	66.85	2.05	--	68.90
MW-1	4/28/20	3790.02	LNAPL	66.17	1.93	--	68.10
MW-1	5/12/20	3790.02	LNAPL	67.17	1.73	--	68.90
MW-1	6/19/20	3790.02	LNAPL	67.25	1.65	--	68.90
MW-1	7/29/20	3790.02	LNAPL	67.36	1.84	--	69.20
MW-1	8/27/20	3790.02	LNAPL	67.41	1.60	--	69.01
MW-1	9/14/20	3790.02	LNAPL	66.48	1.85	--	68.33
MW-1	10/29/20	3790.02	LNAPL	66.59	1.77	--	68.36
MW-1	12/7/20	3790.02	LNAPL	67.63	1.45	--	69.08
MW-1	1/25/21	3790.02	LNAPL	67.77	1.25	--	69.02
MW-1	2/8/21	3790.02	LNAPL	67.80	1.51	--	69.31
MW-1	3/22/21	3790.02	LNAPL	66.90	1.42	--	68.32
MW-1	5/3/21	3790.02	LNAPL	68.00	1.02	--	69.02
MW-1	5/10/21	3790.02	LNAPL	67.99	1.31	--	69.30
MW-1	7/28/21	3790.02	LNAPL	68.19	0.83	--	69.02
MW-1	8/10/21	3790.02	LNAPL	67.21	2.10	--	69.31
MW-1	9/29/21	3790.02	LNAPL	68.33	0.98	--	69.31
MW-1	10/27/21	3790.02	LNAPL	68.37	0.94	--	69.31

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-1	11/10/21	3790.02	LNAPL	68.37	0.94	--	69.31
MW-1	12/21/21	3790.02	LNAPL	68.49	0.82	--	69.31
MW-1	1/24/22	3790.02	LNAPL	68.63	0.68	--	69.31
MW-1	2/10/22	3790.02	LNAPL	68.58	0.72	--	69.30
MW-1	3/10/22	3790.02	LNAPL	67.68	1.62	--	69.30
MW-1	3/10/22	3790.02	LNAPL	68.02	1.28	--	69.30
MW-1	3/17/22	3790.02	LNAPL	67.68	1.62	--	69.30
MW-1	3/25/22	3790.02	LNAPL	67.72	0.23	--	67.95
MW-1	3/31/22	3790.02	Dry	--	--	--	67.95
MW-1	4/7/22	3790.02	LNAPL	67.72	0.59	--	68.31
MW-1	4/13/22	3790.02	Dry	--	--	--	67.95
MW-1	4/21/22	3790.02	69.30	68.98	0.32	3720.98	67.95
MW-1	4/25/22	3790.02	LNAPL	68.98	0.35	--	69.33
MW-1	5/4/22	3790.02	LNAPL	68.76	0.54	--	69.30
MW-1	6/14/22	3790.02	LNAPL	68.84	0.46	--	69.30
MW-1	7/26/22	3790.02	LNAPL	68.91	0.07	--	68.98
MW-1	8/23/22	3790.02	Dry	--	--	--	69.30
MW-1	11/7/22	3790.02	69.41	69.23	0.18	3720.76	69.30
MW-2	1/24/17	3788.19	--	--	--	--	--
MW-2	2/8/17	3788.19	--	--	--	--	--
MW-2	2/28/17	3788.19	65.62	65.60	0.02	3722.59	--
MW-2	5/17/17	3788.19	--	--	--	--	--
MW-2	5/30/17	3788.19	65.81	65.80	0.01	3722.39	--
MW-2	5/31/17	3788.19	--	--	--	--	--
MW-2	7/6/17	3790.83	--	--	--	--	--
MW-2	7/14/17	3790.83	--	--	--	--	--
MW-2	7/26/17	3790.83	--	--	--	--	--
MW-2	8/1/17	3790.83	--	--	--	--	--
MW-2	8/30/17	3790.83	65.85	--	--	3722.34	67.75
MW-2	9/6/17	3790.83	--	--	--	--	--
MW-2	9/20/17	3790.83	--	--	--	--	--
MW-2	10/12/17	3790.83	--	--	--	--	--
MW-2	10/24/17	3790.83	--	--	--	--	--
MW-2	11/14/17	3790.83	--	--	--	--	--
MW-2	11/28/17	3790.83	65.96	--	--	3722.23	71.38
MW-2	12/1/17	3790.83	--	--	--	--	--
MW-2	12/12/17	3790.83	--	--	--	--	--
MW-2	2/27/18	3790.83	66.30	--	--	3721.89	71.58
MW-2	5/29/18	3790.83	66.31	--	--	3721.88	71.4
MW-2	8/29/18	3790.83	66.46	66.44	0.02	3724.39	71.58
MW-2	11/27/18	3790.83	66.69	--	--	3724.14	--
MW-2	2/25/19	3790.83	67.06	--	--	3723.77	--
MW-2	2/26/19	3790.83	--	--	--	--	--
MW-2	5/20/19	3790.83	67.20	--	--	3723.63	--
MW-2	5/22/19	3790.83	--	--	--	--	--
MW-2	7/23/19	3790.83	67.29	--	--	3723.54	--
MW-2	7/24/19	3790.83	--	--	--	--	--
MW-2	8/28/19	3790.83	--	--	--	--	--
MW-2	9/10/19	3790.83	--	--	--	--	--
MW-2	10/2/19	3790.83	--	--	--	--	--
MW-2	10/21/19	3790.83	67.51	--	--	3723.32	71.58
MW-2	10/24/19	3790.83	--	--	--	--	--
MW-2	2/11/20	3790.83	67.61	--	--	3723.22	74.01
MW-2	3/17/20	3790.83	--	--	--	--	--
MW-2	4/28/20	3790.83	68.06	--	--	3722.77	--
MW-2	5/12/20	3790.83	67.92	--	--	3722.91	--
MW-2	6/19/20	3790.83	67.83	--	--	3723.00	--
MW-2	7/29/20	3790.83	68.12	--	--	3722.71	--
MW-2	8/27/20	3790.83	68.18	--	--	3722.65	--
MW-2	9/14/20	3790.83	68.22	--	--	3722.61	--
MW-2	10/29/20	3790.83	68.30	--	--	3722.53	--
MW-2	12/7/20	3790.83	68.21	--	--	3722.62	--
MW-2	1/25/21	3790.83	68.32	--	--	3722.51	--
MW-2	2/8/21	3790.83	68.36	--	--	3722.47	71.49
MW-2	3/22/21	3790.83	68.64	--	--	3722.19	--
MW-2	5/3/21	3790.83	68.53	--	--	3722.30	--
MW-2	5/10/21	3790.83	67.83	--	--	3723.00	--
MW-2	7/28/21	3790.83	68.93	--	--	3721.90	--
MW-2	8/10/21	3790.83	68.95	--	--	3721.88	71.53
MW-2	9/29/21	3790.83	69.08	--	--	3721.75	71.53
MW-2	10/27/21	3790.83	69.12	--	--	3721.71	71.53
MW-2	11/10/21	3790.83	69.12	--	--	3721.71	71.53
MW-2	12/21/21	3790.83	69.20	--	--	3721.63	71.53
MW-2	1/24/22	3790.83	69.27	--	--	3721.56	71.53
MW-2	2/10/22	3790.83	69.32	--	--	3721.51	71.55

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-2	3/17/22	3790.83	69.42	--	--	3721.41	71.55
MW-2	4/13/22	3790.83	69.53	--	--	3721.30	71.55
MW-2	5/4/22	3790.83	69.52	--	--	3721.31	71.55
MW-2	6/14/22	3790.83	69.61	--	--	3721.22	71.55
MW-2	7/26/22	3790.83	69.69	--	--	3721.14	71.55
MW-2	8/22/22	3790.83	69.74	--	--	3721.09	71.55
MW-2	11/7/22	3790.83	Dry	--	--	--	71.55
MW-3	1/24/17	3789.03	--	--	--	--	--
MW-3	2/8/17	3789.03	--	--	--	--	--
MW-3	2/28/17	3789.03	66.31	66.28	0.03	3722.74	--
MW-3	5/30/17	3789.03	66.51	66.45	0.06	3722.57	--
MW-3	7/14/17	3791.44	--	--	--	--	--
MW-3	7/26/17	3791.44	--	--	--	--	--
MW-3	8/1/17	3791.44	--	--	--	--	--
MW-3	8/10/17	3791.44	--	--	--	--	--
MW-3	8/30/17	3791.44	66.67	66.63	0.04	3724.80	--
MW-3	9/6/17	3791.44	--	--	--	--	--
MW-3	9/12/17	3791.44	--	--	--	--	--
MW-3	9/20/17	3791.44	--	--	--	--	--
MW-3	10/12/17	3791.44	--	--	--	--	--
MW-3	10/18/17	3791.44	--	--	--	--	--
MW-3	10/24/17	3791.44	--	--	--	--	--
MW-3	11/30/17	3791.44	66.51	66.44	0.07	3724.99	--
MW-3	2/27/18	3791.44	LNAPL	66.98	0.32	--	67.30
MW-3	5/29/18	3791.44	66.92	66.81	0.11	3724.61	67.3
MW-3	8/29/18	3791.44	Dry	--	--	--	67.49
MW-3	11/27/18	3791.44	Dry	--	--	--	67.48
MW-3	2/25/19	3791.44	Dry	--	--	--	--
MW-3	5/20/19	3791.44	Dry	--	--	--	--
MW-3	7/23/19	3791.44	Dry	--	--	--	--
MW-3	10/21/19	3791.44	Dry	--	--	--	67.33
MW-3	2/19/20	P&A	--	--	--	--	--
MW-4	2/28/17	3790.06	66.89	--	--	3723.17	69.91
MW-4	5/30/17	3790.06	67.10	--	--	3722.96	70.3
MW-4	8/30/17	3792.51	67.26	--	--	3725.25	69.92
MW-4	11/28/17	3792.51	67.41	--	--	3725.10	69.9
MW-4	12/1/17	3792.51	--	--	--	--	--
MW-4	2/27/18	3792.51	67.60	--	--	3724.91	70.24
MW-4	5/29/18	3792.51	67.79	--	--	3724.72	72.31
MW-4	8/29/18	3792.51	67.95	--	--	3724.56	70.24
MW-4	11/27/18	3792.51	68.13	--	--	3724.38	--
MW-4	2/25/19	3792.51	68.03	--	--	3724.48	--
MW-4	5/20/19	3792.51	68.50	--	--	3724.01	--
MW-4	7/23/19	3792.51	68.59	--	--	3723.92	--
MW-4	10/21/19	3792.51	68.84	--	--	3723.67	70.24
MW-4	10/24/19	3792.51	--	--	--	--	--
MW-4	2/11/20	3792.51	69.06	--	--	3723.45	74.09
MW-4	4/28/20	3792.51	69.21	--	--	3723.30	--
MW-4	5/12/20	3792.51	69.24	--	--	3723.27	--
MW-4	6/19/20	3792.51	69.34	--	--	3723.17	--
MW-4	7/29/20	3792.51	69.40	--	--	3723.11	--
MW-4	8/27/20	3792.51	69.48	--	--	3723.03	--
MW-4	9/14/20	3792.51	69.52	--	--	3722.99	--
MW-4	10/29/20	3792.51	69.61	--	--	3722.90	69.94
MW-4	12/7/20	3792.51	69.70	--	--	3722.81	--
MW-4	1/25/21	3792.51	69.81	--	--	3722.70	--
MW-4	2/8/21	3792.51	69.85	--	--	3722.66	69.95
MW-4	3/22/21	3792.51	Dry	--	--	--	69.96
MW-4	5/3/21	3792.51	70.04	--	--	3722.47	-
MW-4	5/10/21	3792.51	Dry	--	--	--	69.95
MW-4	7/28/21	3792.51	Dry	--	--	--	69.94
MW-4	8/10/21	3792.51	70.27	--	--	3722.24	71.77
MW-4	9/29/21	3792.51	69.90	--	--	3722.61	69.95
MW-4	10/27/21	3792.51	Dry	--	--	--	69.95
MW-4	11/10/21	3792.51	Dry	--	--	--	69.95
MW-4	12/21/21	3792.51	Dry	--	--	--	69.95
MW-4	1/24/22	3792.51	Dry	--	--	--	69.95
MW-4	2/25/22	3792.51	Dry	--	--	--	69.94
MW-4	3/17/22	3792.51	Dry	--	--	--	69.94
MW-4	4/13/22	3792.51	Dry	--	--	--	69.94
MW-4	5/4/22	3792.51	Dry	--	--	--	69.94
MW-4	6/14/22	3792.51	Dry	--	--	--	69.94
MW-4	7/26/22	3792.51	Dry	--	--	--	69.94
MW-4	8/22/22	3792.51	Dry	--	--	--	69.94
MW-4	11/7/22	3792.51	Dry	--	--	--	69.94

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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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-5	1/5/17	3787.47	--	--	--	--	--
MW-5	1/18/17	3787.47	--	--	--	--	--
MW-5	2/15/17	3787.47	--	--	--	--	--
MW-5	2/28/17	3787.47	67.90	64.22	3.68	3722.55	--
MW-5	4/3/17	3787.47	--	--	--	--	--
MW-5	5/31/17	3787.47	69.16	64.17	4.99	3722.35	--
MW-5	6/6/17	3787.47	--	--	--	--	--
MW-5	7/6/17	3789.50	--	--	--	--	--
MW-5	7/14/17	3789.50	--	--	--	--	--
MW-5	7/26/17	3789.50	--	--	--	--	--
MW-5	8/1/17	3789.50	--	--	--	--	--
MW-5	8/10/17	3789.50	--	--	--	--	--
MW-5	8/30/17	3789.50	66.57	64.97	1.60	3724.23	--
MW-5	9/6/17	3789.50	--	--	--	--	--
MW-5	9/12/17	3789.50	--	--	--	--	--
MW-5	10/12/17	3789.50	--	--	--	--	--
MW-5	10/18/17	3789.50	--	--	--	--	--
MW-5	10/24/17	3789.50	--	--	--	--	--
MW-5	11/14/17	3789.50	--	--	--	--	--
MW-5	11/22/17	3789.50	--	--	--	--	--
MW-5	11/30/17	3789.50	66.13	65.20	0.93	3724.12	--
MW-5	12/12/17	3789.50	--	--	--	--	--
MW-5	12/20/17	3789.50	--	--	--	--	--
MW-5	2/27/18	3789.50	66.28	65.35	0.93	3723.97	71.41
MW-5	5/29/18	3789.50	67.20	65.42	1.78	3723.74	--
MW-5	8/29/18	3789.50	68.49	65.34	3.15	3723.56	--
MW-5	11/27/18	3789.50	70.70	65.10	5.60	3723.34	--
MW-5	2/25/19	3789.50	67.17	66.31	0.86	3723.03	--
MW-5	4/30/19	3789.50	--	--	--	--	--
MW-5	5/20/19	3789.50	68.93	65.91	3.02	3723.02	--
MW-5	6/11/19	3789.50	--	--	--	--	--
MW-5	6/18/19	3789.50	--	--	--	--	--
MW-5	6/25/19	3789.50	--	--	--	--	--
MW-5	7/8/19	3789.50	--	--	--	--	--
MW-5	7/23/19	3789.50	67.33	66.42	0.91	3722.91	--
MW-5	10/21/19	3789.50	67.00	66.68	0.32	3722.76	--
MW-5	11/20/19	3789.50	--	--	--	--	--
MW-5	12/11/19	3789.50	--	--	--	--	--
MW-5	12/24/19	3789.50	--	--	--	--	--
MW-5	1/29/20	3789.50	--	--	--	--	--
MW-5	2/11/20	3789.50	67.76	66.84	0.92	3722.49	73.85
MW-5	4/28/20	3789.50	69.07	66.74	2.33	3722.32	--
MW-5	5/12/20	3789.50	69.26	66.70	2.56	3722.31	--
MW-5	6/19/20	3789.50	69.94	66.66	3.28	3722.22	--
MW-5	7/29/20	3789.50	70.70	66.62	4.08	3722.10	--
MW-5	8/27/20	3789.50	71.16	66.59	4.57	3722.04	--
MW-5	9/14/20	3789.50	LNAPL	66.58	4.73	--	71.31
MW-5	10/29/20	3789.50	LNAPL	66.47	4.88	--	71.35
MW-5	12/7/20	3789.50	LNAPL	66.49	4.98	--	71.47
MW-5	1/25/21	3789.50	LNAPL	66.61	4.68	--	71.29
MW-5	2/8/21	3789.50	LNAPL	66.64	4.66	--	71.3
MW-5	3/22/21	3789.50	LNAPL	66.71	4.59	--	71.3
MW-5	5/3/21	3789.50	71.28	66.80	4.48	3721.85	--
MW-5	5/10/21	3789.50	LNAPL	66.82	4.48	--	71.30
MW-5	7/28/21	3789.50	LNAPL	66.99	4.31	--	71.30
MW-5	8/10/21	3789.50	LNAPL	67.01	4.29	--	71.30
MW-5	9/29/21	3789.50	LNAPL	67.10	4.20	--	71.30
MW-5	10/27/21	3789.50	LNAPL	67.18	4.12	--	71.30
MW-5	11/10/21	3789.50	LNAPL	67.20	4.10	--	71.30
MW-5	12/21/21	3789.50	LNAPL	67.28	4.02	--	71.30
MW-5	1/24/22	3789.50	LNAPL	67.33	3.97	--	71.30
MW-5	2/10/22	3789.50	LNAPL	67.36	3.92	--	71.28
MW-5	3/10/22	3789.50	LNAPL	67.46	3.82	--	71.28
MW-5	3/10/22	3789.50	Dry	--	--	--	71.28
MW-5	3/17/22	3789.50	--	--	--	--	--
MW-5	3/25/22	3789.50	LNAPL	68.05	3.23	--	71.28
MW-5	3/25/22	3789.50	70.35	70.10	0.25	3719.35	71.28
MW-5	3/31/22	3789.50	69.97	68.37	1.60	3720.83	71.28
MW-5	3/31/22	3789.50	70.41	70.06	0.35	3719.37	71.28
MW-5	4/7/22	3789.50	69.52	68.43	1.09	3720.86	71.28
MW-5	4/7/22	3789.50	70.45	70.21	0.24	3719.24	71.28
MW-5	4/13/22	3789.50	69.57	68.50	1.07	3720.80	71.28
MW-5	4/21/22	3789.50	69.86	68.47	1.39	3720.77	71.28
MW-5	4/21/22	3789.50	69.76	69.55	0.21	3719.91	71.28
MW-5	5/4/22	3789.50	69.84	68.48	1.36	3720.76	71.28
MW-5	6/14/22	3789.50	LNAPL	67.99	3.29	--	71.28

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-5	6/30/22	3789.50	LNAPL	67.90	3.38	--	71.28
MW-5	6/30/22	3789.50	LNAPL	69.78	1.50	--	71.28
MW-5	7/7/22	3789.50	70.89	68.42	2.47	3720.61	71.28
MW-5	7/7/22	3789.50	71.12	70.18	0.94	3719.14	71.28
MW-5	7/20/22	3789.50	70.37	68.52	1.85	3720.63	71.28
MW-5	7/20/22	3789.50	70.34	70.13	0.21	3719.33	71.28
MW-5	7/26/22	3789.50	69.78	69.58	0.20	3719.88	71.28
MW-5	8/8/22	3789.50	70.31	68.59	1.72	3720.58	71.28
MW-5	8/8/22	3789.50	70.02	69.59	0.43	3719.83	71.28
MW-5	8/23/22	3789.50	70.16	68.68	1.48	3720.54	71.28
MW-5	8/29/22	3789.50	70.51	68.61	1.90	3720.53	71.28
MW-5	9/6/22	3789.50	69.67	68.81	0.86	3720.53	71.28
MW-5	9/12/22	3789.50	70.25	68.78	1.47	3720.44	71.28
MW-5	9/12/22	3789.50	70.72	69.69	1.03	3719.61	71.28
MW-5	9/19/22	3789.50	70.23	68.71	1.52	3720.50	71.28
MW-5	9/19/22	3789.50	70.35	69.73	0.62	3719.65	71.28
MW-5	10/10/22	3789.50	71.32	68.64	2.68	3720.35	71.28
MW-5	10/10/22	3789.50	70.45	69.92	0.53	3719.48	71.28
MW-5	10/17/22	3789.50	70.65	68.04	2.61	3720.96	71.28
MW-5	10/17/22	3789.50	70.11	69.84	0.27	3719.61	71.28
MW-5	10/23/22	3789.50	71.17	68.59	2.58	3720.42	71.28
MW-5	10/23/22	3789.50	71.14	70.36	0.78	3718.99	71.28
MW-5	11/7/22	3789.50	69.85	68.98	0.87	3720.35	71.28
MW-5	11/21/22	3789.50	70.37	68.89	1.48	3720.33	71.28
MW-5	11/21/22	3789.50	70.81	70.72	0.09	3718.76	71.28
MW-5	12/2/22	3789.50	69.89	69.04	0.85	3720.30	71.28
MW-5	12/2/22	3789.50	69.83	69.78	0.05	3719.71	71.28
MW-5	12/5/22	3789.50	69.96	69.02	0.94	3720.30	71.28
MW-5	12/12/22	3789.50	69.83	69.12	0.71	3720.25	71.28
MW-6	1/10/17	3786.81	--	--	--	--	--
MW-6	1/24/17	3786.81	--	--	--	--	--
MW-6	2/8/17	3786.81	--	--	--	--	--
MW-6	2/28/17	3786.81	64.93	--	--	3721.88	71.23
MW-6	3/2/17	3786.81	--	--	--	--	--
MW-6	4/4/17	3786.81	--	--	--	--	--
MW-6	5/2/17	3786.81	--	--	--	--	--
MW-6	5/17/17	3786.81	--	--	--	--	--
MW-6	5/30/17	3786.81	65.10	--	--	3721.71	71.44
MW-6	5/31/17	3786.81	--	--	--	--	--
MW-6	6/14/17	3786.81	--	--	--	--	--
MW-6	7/6/17	3789.27	--	--	--	--	--
MW-6	7/14/17	3789.27	--	--	--	--	--
MW-6	8/29/17	3789.27	65.28	--	--	3723.99	71.29
MW-6	8/30/17	3789.27	--	--	--	--	--
MW-6	9/6/17	3789.27	--	--	--	--	--
MW-6	9/12/17	3789.27	--	--	--	--	--
MW-6	9/20/17	3789.27	--	--	--	--	--
MW-6	10/12/17	3789.27	--	--	--	--	--
MW-6	10/24/17	3789.27	--	--	--	--	--
MW-6	11/14/17	3789.27	--	--	--	--	--
MW-6	11/28/17	3789.27	65.44	--	--	3723.83	71.28
MW-6	12/1/17	3789.27	--	--	--	--	--
MW-6	12/5/17	3789.27	--	--	--	--	--
MW-6	2/27/18	3789.27	65.61	--	--	3723.66	71.24
MW-6	5/29/18	3789.27	65.81	--	--	3723.46	71.5
MW-6	8/29/18	3789.27	65.93	--	--	3723.34	71.24
MW-6	11/27/18	3789.27	66.35	--	--	3722.92	--
MW-6	2/25/19	3789.27	66.33	--	--	3722.94	--
MW-6	2/26/19	3789.27	--	--	--	--	--
MW-6	4/30/19	3789.27	66.59	66.58	0.01	3722.69	--
MW-6	5/20/19	3789.27	66.50	--	--	3722.77	--
MW-6	5/22/19	3789.27	--	--	--	--	--
MW-6	6/11/19	3789.27	--	--	--	--	--
MW-6	7/23/19	3789.27	66.56	--	--	3722.71	--
MW-6	7/24/19	3789.27	--	--	--	--	--
MW-6	8/21/19	3789.27	--	--	--	--	--
MW-6	8/28/19	3789.27	--	--	--	--	--
MW-6	9/10/19	3789.27	--	--	--	--	--
MW-6	9/25/19	3789.27	--	--	--	--	--
MW-6	10/21/19	3789.27	66.79	-	--	3722.48	71.24
MW-6	10/24/19	3789.27	--	--	--	--	--
MW-6	2/11/20	3789.27	67.01	-	--	3722.26	74.3
MW-6	3/17/20	3789.27	--	--	--	--	--
MW-6	4/28/20	3789.27	67.19	--	--	3722.08	--
MW-6	5/12/20	3789.27	67.20	--	--	3722.07	--

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-6	6/19/20	3789.27	67.28	--	--	3721.99	--
MW-6	7/29/20	3789.27	67.43	--	--	3721.84	--
MW-6	8/27/20	3789.27	67.42	--	--	3721.85	--
MW-6	9/14/20	3789.27	67.45	--	--	3721.82	--
MW-6	10/29/20	3789.27	67.55	--	--	3721.72	--
MW-6	12/7/20	3789.27	67.63	--	--	3721.64	--
MW-6	1/25/21	3789.27	67.73	--	--	3721.54	--
MW-6	2/8/21	3789.27	67.79	--	--	3721.48	71.55
MW-6	3/22/21	3789.27	67.87	--	--	3721.40	--
MW-6	5/3/21	3789.27	67.95	--	--	3721.32	--
MW-6	5/10/21	3789.27	67.97	--	--	3721.30	--
MW-6	7/28/21	3789.27	68.15	--	--	3721.12	--
MW-6	8/10/21	3789.27	68.18	--	--	3721.09	71.68
MW-6	9/29/21	3789.27	68.29	--	--	3720.98	71.68
MW-6	10/27/21	3789.27	68.34	--	--	3720.93	71.68
MW-6	11/10/21	3789.27	68.35	--	--	3720.92	71.68
MW-6	12/21/21	3789.27	68.44	--	--	3720.83	71.68
MW-6	1/24/22	3789.27	68.52	--	--	3720.75	71.68
MW-6	2/10/22	3789.27	68.53	--	--	3720.74	71.70
MW-6	3/17/22	3789.27	68.62	--	--	3720.65	71.70
MW-6	4/13/22	3789.27	68.73	--	--	3720.54	71.70
MW-6	5/4/22	3789.27	68.71	--	--	3720.56	71.70
MW-6	6/14/22	3789.27	68.82	--	--	3720.45	71.70
MW-6	6/30/22	3789.27	68.90	--	--	3720.37	71.70
MW-6	8/22/22	3789.27	68.95	--	--	3720.32	71.70
MW-6	11/7/22	3789.27	69.12	--	--	3720.15	71.70
MW-7	1/10/17	3786.82	--	--	--	--	--
MW-7	1/24/17	3786.82	--	--	--	--	--
MW-7	2/8/17	3786.82	--	--	--	--	--
MW-7	2/28/17	3786.82	65.28	--	--	3721.54	73.13
MW-7	4/4/17	3786.82	--	--	--	--	--
MW-7	5/2/17	3786.82	--	--	--	--	--
MW-7	5/10/17	3786.82	--	--	--	--	--
MW-7	5/17/17	3786.82	--	--	--	--	--
MW-7	5/30/17	3786.82	65.50	--	--	3721.32	73.7
MW-7	5/31/17	3786.82	--	--	--	--	--
MW-7	6/14/17	3786.82	--	--	--	--	--
MW-7	7/6/17	3789.26	--	--	--	--	--
MW-7	7/14/17	3789.26	--	--	--	--	--
MW-7	8/29/17	3789.26	65.63	--	--	3723.63	73.27
MW-7	10/24/17	3789.26	--	--	--	--	--
MW-7	11/14/17	3789.26	--	--	--	--	--
MW-7	11/28/17	3789.26	65.79	--	--	3723.47	73.09
MW-7	12/1/17	3789.26	--	--	--	--	--
MW-7	12/5/17	3789.26	--	--	--	--	--
MW-7	2/27/18	3789.26	65.95	--	--	3723.31	73.33
MW-7	5/29/18	3789.26	66.17	--	--	3723.09	--
MW-7	8/29/18	3789.26	66.28	--	--	3722.98	--
MW-7	11/27/18	3789.26	66.42	--	--	3722.84	--
MW-7	2/25/19	3789.26	66.65	--	--	3722.61	--
MW-7	5/20/19	3789.26	66.81	--	--	3722.45	--
MW-7	7/23/19	3789.26	67.05	--	--	3722.21	--
MW-7	10/21/19	3789.26	67.20	--	--	3722.06	73.33
MW-7	10/24/19	3789.26	--	--	--	--	--
MW-7	2/11/20	3789.26	67.41	--	--	3721.85	75.36
MW-7	4/28/20	3789.26	67.51	--	--	3721.75	--
MW-7	5/12/20	3789.26	67.52	--	--	3721.74	--
MW-7	6/19/20	3789.26	67.61	--	--	3721.65	--
MW-7	7/29/20	3789.26	67.70	--	--	3721.56	--
MW-7	8/27/20	3789.26	67.75	--	--	3721.51	--
MW-7	9/14/20	3789.26	67.77	--	--	3721.49	--
MW-7	10/29/20	3789.26	67.89	--	--	3721.37	--
MW-7	12/7/20	3789.26	67.96	--	--	3721.30	--
MW-7	1/25/21	3789.26	68.08	--	--	3721.18	--
MW-7	2/8/21	3789.26	68.16	--	--	3721.10	73.11
MW-7	3/22/21	3789.26	68.20	--	--	3721.06	--
MW-7	5/3/21	3789.26	68.29	--	--	3720.97	--
MW-7	5/10/21	3789.26	69.18	--	--	3720.08	--
MW-7	7/28/21	3789.26	68.49	--	--	3720.77	--
MW-7	8/10/21	3789.26	68.50	--	--	3720.76	73.44
MW-7	9/29/21	3789.26	68.60	--	--	3720.66	73.11
MW-7	10/27/21	3789.26	68.66	--	--	3720.60	73.11
MW-7	11/10/21	3789.26	68.66	--	--	3720.60	73.11
MW-7	12/21/21	3789.26	68.73	--	--	3720.53	73.11
MW-7	1/24/22	3789.26	68.83	--	--	3720.43	73.11

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Plains All American Pipeline, L.P.
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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	2/25/22	3789.26	68.89	--	--	3720.37	73.08
MW-7	3/17/22	3789.26	68.83	--	--	3720.43	73.08
MW-7	4/13/22	3789.26	68.95	--	--	3720.31	73.08
MW-7	5/4/22	3789.26	69.05	--	--	3720.21	73.08
MW-7	6/14/22	3789.26	69.14	--	--	3720.12	73.08
MW-7	7/26/22	3789.26	69.22	--	--	3720.04	73.08
MW-7	8/22/22	3789.26	69.28	--	--	3719.98	73.08
MW-7	11/7/22	3789.26	69.45	--	--	3719.81	73.08
MW-8	1/5/17	3788.24	--	--	--	--	--
MW-8	1/10/17	3788.24	--	--	--	--	--
MW-8	1/18/17	3788.24	--	--	--	--	--
MW-8	2/8/17	3788.24	--	--	--	--	--
MW-8	2/15/17	3788.24	--	--	--	--	--
MW-8	2/28/17	3788.24	65.85	65.56	0.29	3722.62	--
MW-8	5/10/17	3788.24	--	--	--	--	--
MW-8	5/17/17	3788.24	--	--	--	--	--
MW-8	5/30/17	3788.24	65.91	65.71	0.20	3722.49	--
MW-8	7/6/17	3790.66	--	--	--	--	--
MW-8	7/14/17	3790.66	--	--	--	--	--
MW-8	7/26/17	3790.66	--	--	--	--	--
MW-8	8/1/17	3790.66	--	--	--	--	--
MW-8	8/10/17	3790.66	--	--	--	--	--
MW-8	8/30/17	3790.66	65.63	65.53	0.10	3725.11	--
MW-8	9/6/17	3790.66	--	--	--	--	--
MW-8	9/12/17	3790.66	--	--	--	--	--
MW-8	9/20/17	3790.66	--	--	--	--	--
MW-8	10/12/17	3790.66	--	--	--	--	--
MW-8	10/18/17	3790.66	--	--	--	--	--
MW-8	10/24/17	3790.66	--	--	--	--	--
MW-8	11/30/17	3790.66	65.72	65.67	0.05	3724.98	--
MW-8	12/5/17	3790.66	--	--	--	--	--
MW-8	12/12/17	3790.66	--	--	--	--	--
MW-8	12/20/17	3790.66	--	--	--	--	--
MW-8	2/27/18	3790.66	66.29	66.26	0.03	3724.39	72.78
MW-8	5/29/18	3790.66	66.07	66.02	0.05	3724.63	--
MW-8	8/29/18	3790.66	66.67	66.62	0.05	3724.03	--
MW-8	11/27/18	3790.66	66.80	66.79	0.01	3723.87	--
MW-8	2/25/19	3790.66	67.10	66.99	0.11	3723.65	--
MW-8	5/20/19	3790.66	67.24	67.20	0.04	3723.45	--
MW-8	7/23/19	3790.66	67.39	67.32	0.07	3723.33	--
MW-8	10/21/19	3790.66	67.54	67.48	0.06	3723.17	--
MW-8	2/11/20	3790.66	67.82	67.72	0.10	3722.92	74.35
MW-8	4/28/20	3790.66	68.04	67.86	0.18	3722.77	--
MW-8	5/12/20	3790.66	68.06	67.84	0.22	3722.78	--
MW-8	6/19/20	3790.66	68.19	67.94	0.25	3722.67	--
MW-8	7/29/20	3790.66	68.34	68.04	0.30	3722.56	--
MW-8	8/27/20	3790.66	68.43	68.07	0.36	3722.52	--
MW-8	9/14/20	3790.66	68.50	68.13	0.37	3722.46	--
MW-8	10/29/20	3790.66	68.62	68.21	0.41	3722.37	--
MW-8	12/7/20	3790.66	68.74	68.27	0.47	3722.30	--
MW-8	1/25/21	3790.66	68.85	68.40	0.45	3722.17	--
MW-8	2/8/21	3790.66	68.87	68.45	0.42	3722.13	72.72
MW-8	3/22/21	3790.66	69.01	68.54	0.47	3722.03	--
MW-8	5/3/21	3790.66	69.08	68.63	0.45	3721.94	--
MW-8	5/10/21	3790.66	69.07	68.63	0.44	3721.95	--
MW-8	7/28/21	3790.66	69.31	68.80	0.51	3721.76	--
MW-8	8/10/21	3790.66	69.34	68.84	0.50	3721.73	--
MW-8	9/29/21	3790.66	69.43	68.94	0.49	3721.63	72.72
MW-8	10/27/21	3790.66	69.41	68.98	0.43	3721.60	72.72
MW-8	11/10/21	3790.66	69.41	68.98	0.43	3721.60	72.72
MW-8	12/21/21	3790.66	69.60	69.12	0.48	3721.45	72.72
MW-8	1/24/22	3790.66	69.56	69.18	0.38	3721.41	72.72
MW-8	2/10/22	3790.66	69.68	69.21	0.47	3721.36	--
MW-8	3/10/22	3790.66	69.75	69.30	0.45	3721.27	--
MW-8	3/10/22	3790.66	69.47	69.46	0.01	3721.20	--
MW-8	3/17/22	3790.66	69.46	69.37	0.09	3721.27	72.72
MW-8	4/13/22	3790.66	69.66	69.27	0.39	3721.32	72.72
MW-8	5/4/22	3790.66	69.56	69.44	0.12	3721.20	72.72
MW-8	6/14/22	3790.66	69.68	69.53	0.15	3721.10	72.72
MW-8	7/26/22	3790.66	69.75	69.62	0.13	3721.02	72.72
MW-8	8/23/22	3790.66	69.83	69.70	0.13	3720.94	72.72
MW-8	11/7/22	3790.66	70.05	69.89	0.16	3720.74	72.72
MW-8	12/5/22	3790.66	70.19	69.96	0.23	3720.66	72.72
MW-8	12/12/22	3790.66	70.08	69.95	0.13	3720.69	72.72
MW-9	2/28/17	3788.33	LNAPL	64.94	5.01	--	69.95
MW-9	4/3/17	3788.33	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-9	5/10/17	3788.33	--	--	--	--	--
MW-9	5/30/17	3788.33	LNAPL	65.00	5.03	--	70.03
MW-9	6/6/17	3788.33	--	--	--	--	--
MW-9	7/6/17	3790.94	--	--	--	--	--
MW-9	7/14/17	3790.94	--	--	--	--	--
MW-9	7/26/17	3790.94	--	--	--	--	--
MW-9	8/30/17	3790.94	LNAPL	65.49	4.53	--	70.02
MW-9	11/30/17	3790.94	LNAPL	65.34	4.71	--	70.05
MW-9	2/27/18	3790.94	LNAPL	65.60	4.60	--	70.2
MW-9	5/29/18	3790.94	LNAPL	65.17	4.32	--	--
MW-9	8/29/18	3790.94	69.54	66.55	2.99	3723.82	--
MW-9	11/27/18	3790.94	--	66.91	3.59	--	70.50
MW-9	2/25/19	3790.94	70.49	66.94	3.55	3723.33	--
MW-9	5/20/19	3790.94	LNAPL	66.85	3.22	--	--
MW-9	7/23/19	3790.94	LNAPL	67.60	3.55	--	--
MW-9	10/21/19	3790.94	LNAPL	67.06	3.14	--	70.21
MW-9	12/11/19	3790.94	--	--	--	--	--
MW-9	12/24/19	3790.94	--	--	--	--	--
MW-9	1/29/20	3790.94	--	--	--	--	--
MW-9	2/11/20	3790.94	LNAPL	67.51	3.29	--	70.80
MW-9	3/11/20	3790.94	LNAPL	67.58	3.22	--	70.80
MW-9	4/8/20	3790.94	LNAPL	67.66	3.14	--	70.80
MW-9	4/28/20	3790.94	LNAPL	67.26	3.09	--	70.35
MW-9	5/12/20	3790.94	LNAPL	67.21	5.56	--	72.77
MW-9	6/19/20	3790.94	LNAPL	67.36	5.41	--	72.77
MW-9	7/29/20	3790.94	LNAPL	67.25	3.15	--	70.40
MW-9	8/27/20	3790.94	70.32	67.53	2.79	3722.88	--
MW-9	9/14/20	3790.94	LNAPL	67.56	2.70	--	70.26
MW-9	10/29/20	3790.94	70.39	67.68	2.71	3722.75	--
MW-9	12/7/20	3790.94	LNAPL	67.77	2.63	--	70.40
MW-9	1/25/21	3790.94	LNAPL	67.88	2.39	--	70.27
MW-9	2/8/21	3790.94	LNAPL	67.89	2.38	--	70.27
MW-9	3/22/21	3790.94	LNAPL	67.99	2.29	--	70.28
MW-9	5/3/21	3790.94	LNAPL	68.06	2.21	--	70.27
MW-9	5/10/21	3790.94	LNAPL	68.10	2.18	--	70.28
MW-9	7/28/21	3790.94	LNAPL	68.24	2.04	--	70.28
MW-9	8/10/21	3790.94	LNAPL	68.29	2.00	--	70.29
MW-9	9/29/21	3790.94	LNAPL	68.30	1.97	--	70.27
MW-9	10/27/21	3790.94	Dry	--	--	--	70.27
MW-9	11/10/21	3790.94	Dry	--	--	--	70.27
MW-9	12/21/21	3790.94	LNAPL	68.55	1.72	--	70.27
MW-9	1/24/22	3790.94	LNAPL	68.61	1.66	--	70.27
MW-9	2/10/22	3790.94	LNAPL	68.63	1.64	--	70.27
MW-9	3/10/22	3790.94	NA	--	--	--	70.27
MW-9	4/13/22	3790.94	NA	--	--	--	70.27
MW-9	5/4/22	3790.94	LNAPL	68.81	1.46	--	70.27
MW-9	6/14/22	3790.94	NA	--	--	--	70.27
MW-9	7/26/2022	3790.94	NA	--	--	--	70.27
MW-9	8/23/22	3790.94	NA	--	--	--	70.27
MW-9	9/19/22	3790.94	LNAPL	69.08	1.68	--	70.76
MW-9	9/19/22	3790.94	LNAPL	69.96	0.80	--	70.76
MW-9	9/23/22	3790.94	LNAPL	69.09	1.67	--	70.76
MW-9	11/7/22	3790.94	NA	--	--	--	70.76
MW-10	1/18/17	3788.46	--	--	--	--	--
MW-10	2/28/17	3788.46	66.83	66.23	0.60	3722.12	--
MW-10	4/3/17	3788.46	--	--	--	--	--
MW-10	5/10/17	3788.46	--	--	--	--	--
MW-10	5/17/17	3788.46	--	--	--	--	--
MW-10	5/30/17	3788.46	66.80	66.45	0.35	3721.94	--
MW-10	7/6/17	3790.94	--	--	--	--	--
MW-10	7/14/17	3790.94	--	--	--	--	--
MW-10	8/29/17	3790.94	67.10	66.59	0.51	3724.25	--
MW-10	9/6/17	3790.94	--	--	--	--	--
MW-10	9/12/17	3790.94	--	--	--	--	--
MW-10	9/20/17	3790.94	--	--	--	--	--
MW-10	10/12/17	3790.94	--	--	--	--	--
MW-10	10/18/17	3790.94	--	--	--	--	--
MW-10	10/24/17	3790.94	--	--	--	--	--
MW-10	11/14/17	3790.94	--	--	--	--	--
MW-10	11/30/17	3790.94	66.98	66.76	0.22	3724.14	--
MW-10	12/5/17	3790.94	--	--	--	--	--
MW-10	12/12/17	3790.94	--	--	--	--	--
MW-10	12/20/17	3790.94	--	--	--	--	--
MW-10	2/27/18	3790.94	67.12	66.90	0.22	3724.00	68.48
MW-10	5/29/18	3790.94	67.45	67.10	0.35	3723.77	68.48

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-10	8/29/18	3790.94	67.68	67.23	0.45	3723.62	68.48
MW-10	11/27/18	3790.94	68.25	67.35	0.90	3723.42	--
MW-10	2/25/19	3790.94	67.90	67.42	0.48	3723.43	--
MW-10	5/20/19	3790.94	LNAPL	67.40	1.20	--	--
MW-10	6/11/19	3790.94	--	--	--	--	--
MW-10	7/23/19	3790.94	LNAPL	67.51	0.97	--	--
MW-10	8/28/19	3790.94	--	--	--	--	--
MW-10	10/21/19	3790.94	LNAPL	67.54	0.94	--	68.5
MW-10	2/11/20	3790.94	67.64	--	--	3723.30	69.77
MW-10	4/28/20	3790.94	LNAPL	67.82	0.90	--	68.72
MW-10	5/12/20	3790.94	68.63	67.83	0.80	3722.96	68.72
MW-10	6/19/20	3790.94	LNAPL	67.93	0.79	--	68.72
MW-10	7/29/20	3790.94	68.76	68.01	0.75	3722.79	68.72
MW-10	8/27/20	3790.94	68.72	68.08	0.64	3722.74	--
MW-10	9/14/20	3790.94	LNAPL	68.23	0.40	--	68.63
MW-10	10/29/20	3790.94	LNAPL	68.26	0.49	--	68.75
MW-10	12/7/20	3790.94	LNAPL	68.33	0.41	--	68.74
MW-10	1/25/21	3790.94	LNAPL	68.48	0.13	--	68.61
MW-10	2/8/21	3790.94	LNAPL	68.52	0.14	--	68.66
MW-10	3/22/21	3790.94	Dry	--	--	--	68.62
MW-10	5/3/21	3790.94	LNAPL	68.64	0.02	--	68.66
MW-10	5/10/21	3790.94	Dry	--	--	--	68.73
MW-10	7/28/21	3790.94	Dry	--	--	--	68.68
MW-10	8/10/21	3790.94	Dry	--	--	--	68.69
MW-10	9/29/21	3790.94	Dry	--	--	--	68.66
MW-10	10/27/21	3790.94	Dry	--	--	--	68.66
MW-10	11/10/21	3790.94	Dry	--	--	--	68.66
MW-10	12/21/21	3790.94	Dry	--	--	--	68.66
MW-10	1/24/22	3790.94	Dry	--	--	--	68.66
MW-10	2/10/22	3790.94	Dry	--	--	--	68.62
MW-10	3/17/22	3790.94	Dry	--	--	--	68.62
MW-10	4/13/22	3790.94	Dry	--	--	--	68.62
MW-10	5/4/22	3790.94	Dry	--	--	--	68.62
MW-10	6/14/22	3790.94	Dry	--	--	--	68.62
MW-10	7/26/22	3790.94	Dry	--	--	--	68.62
MW-10	8/23/22	3790.94	Dry	--	--	--	68.62
MW-10	11/7/22	3790.94	Dry	--	--	--	68.62
MW-11	2/28/17	3789.57	Dry	--	--	--	--
MW-11	5/30/17	3789.57	Dry	--	--	--	63.9
MW-11	8/30/17	3792.02	Dry	--	--	--	63.33
MW-11	11/28/17	3792.02	Dry	--	--	--	63.31
MW-11	2/27/18	3792.02	Dry	--	--	--	63.42
MW-11	5/29/18	3792.02	Dry	--	--	--	--
MW-11	8/29/18	3792.02	Dry	--	--	--	--
MW-11	11/27/18	3792.02	Dry	--	--	--	--
MW-11	2/25/19	3792.02	Dry	--	--	--	--
MW-11	5/20/19	3792.02	Dry	--	--	--	--
MW-11	7/23/19	3792.02	Dry	--	--	--	--
MW-11	10/21/19	3792.02	Dry	--	--	--	63.45
MW-11	2/19/20	P&A	--	--	--	--	--
MW-11R	2/26/20	3790.62	--	--	--	--	--
MW-11R	3/12/20	3790.62	67.76	--	--	3722.86	90.02
MW-11R	3/23/20	3790.62	67.88	--	--	3722.74	90.02
MW-11R	4/28/20	3790.62	67.95	--	--	3722.67	--
MW-11R	5/12/20	3790.62	67.96	--	--	3722.66	--
MW-11R	6/19/20	3790.62	68.03	--	--	3722.59	--
MW-11R	7/29/20	3790.62	69.14	--	--	3721.48	--
MW-11R	8/27/20	3790.62	68.19	--	--	3722.43	--
MW-11R	9/14/20	3790.62	68.26	--	--	3722.36	--
MW-11R	10/29/20	3790.62	68.34	--	--	3722.28	--
MW-11R	12/7/20	3790.62	68.42	--	--	3722.20	--
MW-11R	1/25/21	3790.62	68.54	--	--	3722.08	--
MW-11R	2/8/21	3790.62	68.60	--	--	3722.02	90.10
MW-11R	3/22/21	3790.62	68.68	--	--	3721.94	--
MW-11R	5/3/21	3790.62	68.77	--	--	3721.85	--
MW-11R	5/10/21	3790.62	68.90	--	--	3721.72	--
MW-11R	7/28/21	3790.62	68.94	--	--	3721.68	--
MW-11R	8/10/21	3790.62	68.98	--	--	3721.64	90.13
MW-11R	9/29/21	3790.62	69.10	--	--	3721.52	90.10
MW-11R	10/27/21	3790.62	69.16	--	--	3721.46	90.10
MW-11R	11/10/21	3790.62	69.15	--	--	3721.47	90.10
MW-11R	12/21/21	3790.62	69.25	--	--	3721.37	90.10
MW-11R	1/24/22	3790.62	69.31	--	--	3721.31	90.10
MW-11R	2/10/22	3790.62	69.36	--	--	3721.26	90.13
MW-11R	3/17/22	3790.62	69.44	--	--	3721.18	90.13

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-11R	4/13/22	3790.62	69.55	--	--	3721.07	90.13
MW-11R	5/4/22	3790.62	69.53	--	--	3721.09	90.13
MW-11R	6/14/22	3790.62	69.64	--	--	3720.98	90.13
MW-11R	7/26/22	3790.62	69.70	--	--	3720.92	90.13
MW-11R	8/22/22	3790.62	69.76	--	--	3720.86	90.13
MW-11R	11/7/22	3790.62	69.96	--	--	3720.66	91.13
MW-12	2/10/17	P&A	--	--	--	--	--
MW-12R	2/28/17	3789.55	65.40	--	--	3724.15	85.23
MW-12R	3/2/17	3789.55	--	--	--	--	--
MW-12R	5/30/17	3789.55	65.58	--	--	3723.97	85.4
MW-12R	5/31/17	3789.55	--	--	--	--	--
MW-12R	6/14/17	3789.55	--	--	--	--	--
MW-12R	7/6/17	3789.55	--	--	--	--	--
MW-12R	7/14/17	3789.55	--	--	--	--	--
MW-12R	8/29/17	3789.55	65.75	--	--	3723.80	85.09
MW-12R	8/30/17	3789.55	--	--	--	--	--
MW-12R	9/12/17	3789.55	--	--	--	--	--
MW-12R	9/20/17	3789.55	--	--	--	--	--
MW-12R	10/12/17	3789.55	--	--	--	--	--
MW-12R	10/24/17	3789.55	--	--	--	--	--
MW-12R	11/28/17	3789.55	65.90	--	--	3723.65	85
MW-12R	12/1/17	3789.55	--	--	--	--	--
MW-12R	2/27/18	3789.55	66.10	--	--	3723.45	85.13
MW-12R	5/29/18	3789.55	66.26	--	--	3723.29	--
MW-12R	8/29/18	3789.55	66.39	--	--	3723.16	--
MW-12R	11/27/18	3789.55	66.61	--	--	3722.94	--
MW-12R	2/25/19	3789.55	66.53	--	--	3723.02	--
MW-12R	2/26/19	3789.55	--	--	--	--	--
MW-12R	5/20/19	3789.55	66.95	--	--	3722.60	--
MW-12R	5/22/19	3789.55	--	--	--	--	--
MW-12R	7/23/19	3789.55	67.02	--	--	3722.53	--
MW-12R	7/24/19	3789.55	--	--	--	--	--
MW-12R	10/21/19	3789.55	67.26	--	--	3722.29	85.13
MW-12R	10/23/19	3789.55	--	--	--	--	--
MW-12R	2/11/20	3789.55	67.49	--	--	3722.06	87.65
MW-12R	4/28/20	3789.55	67.65	--	--	3721.90	--
MW-12R	5/12/20	3789.55	67.63	--	--	3721.92	--
MW-12R	6/19/20	3789.55	67.72	--	--	3721.83	--
MW-12R	7/29/20	3789.55	67.80	--	--	3721.75	--
MW-12R	8/27/20	3789.55	67.88	--	--	3721.67	--
MW-12R	9/14/20	3789.55	67.93	--	--	3721.62	--
MW-12R	10/29/20	3789.55	68.03	--	--	3721.52	--
MW-12R	12/7/20	3789.55	68.08	--	--	3721.47	--
MW-12R	1/25/21	3789.55	68.20	--	--	3721.35	--
MW-12R	2/8/21	3789.55	68.26	--	--	3721.29	84.89
MW-12R	3/22/21	3789.55	68.34	--	--	3721.21	--
MW-12R	5/3/21	3789.55	68.41	--	--	3721.14	--
MW-12R	5/10/21	3789.55	68.45	--	--	3721.10	--
MW-12R	7/28/21	3789.55	68.61	--	--	3720.94	--
MW-12R	8/10/21	3789.55	68.63	--	--	3720.92	85.01
MW-12R	9/29/21	3789.55	68.74	--	--	3720.81	85.01
MW-12R	10/27/21	3789.55	68.79	--	--	3720.76	85.01
MW-12R	11/10/21	3789.55	68.79	--	--	3720.76	85.01
MW-12R	12/21/21	3789.55	68.87	--	--	3720.68	85.01
MW-12R	1/24/22	3789.55	68.94	--	--	3720.61	85.01
MW-12R	2/10/22	3789.55	69.01	--	--	3720.54	85.00
MW-12R	3/17/22	3789.55	69.08	--	--	3720.47	85.00
MW-12R	4/13/22	3789.55	69.20	--	--	3720.35	85.00
MW-12R	5/4/22	3789.55	69.19	--	--	3720.36	85.00
MW-12R	6/14/22	3789.55	69.29	--	--	3720.26	85.00
MW-12R	7/26/22	3789.55	69.35	--	--	3720.20	85.00
MW-12R	8/22/22	3789.55	69.41	--	--	3720.14	85.00
MW-12R	11/7/22	3789.55	69.56	--	--	3719.99	85.00
MW-13	2/28/17	3788.55	Dry	--	--	--	--
MW-13	5/30/17	3788.55	Dry	--	--	--	63.41
MW-13	8/30/17	3790.98	Dry	--	--	--	63.28
MW-13	11/28/17	3790.98	Dry	--	--	--	63.24
MW-13	2/27/18	3790.98	Dry	--	--	--	63.29
MW-13	5/29/18	3790.98	Dry	--	--	--	63.3
MW-13	8/29/18	3790.98	Dry	--	--	--	63.29
MW-13	11/27/18	3790.98	Dry	--	--	--	--
MW-13	2/25/19	3790.98	Dry	--	--	--	--
MW-13	5/20/19	3790.98	Dry	--	--	--	--
MW-13	7/23/19	3790.98	Dry	--	--	--	--
MW-13	10/21/19	3790.98	Dry	--	--	--	63.31

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-13	2/19/20	P&A	--	--	--	--	--
MW-14	2/28/17	3788.74	Dry	--	--	--	--
MW-14	5/30/17	3788.74	Dry	--	--	--	63.4
MW-14	8/30/17	3791.16	Dry	--	--	--	63.36
MW-14	11/28/17	3791.16	Dry	--	--	--	63.35
MW-14	2/27/18	3791.16	Dry	--	--	--	63.41
MW-14	5/29/18	3791.16	Dry	--	--	--	--
MW-14	8/29/18	3791.16	Dry	--	--	--	--
MW-14	11/27/18	3791.16	Dry	--	--	--	63.40
MW-14	2/25/19	3791.16	Dry	--	--	--	--
MW-14	5/20/19	3791.16	Dry	--	--	--	--
MW-14	7/23/19	3791.16	Dry	--	--	--	--
MW-14	10/21/19	3791.16	Dry	--	--	--	63.41
MW-14	2/19/20	P&A	--	--	--	--	--
MW-15	2/10/17	P&A	--	--	--	--	--
MW-16	2/10/17	P&A	--	--	--	--	--
MW-16R	2/28/17	3791.21	66.01	--	--	3725.20	84.88
MW-16R	3/2/17	3791.21	--	--	--	--	--
MW-16R	5/30/17	3791.21	66.20	--	--	3725.01	85.23
MW-16R	5/31/17	3791.21	--	--	--	--	--
MW-16R	8/30/17	3791.21	66.41	--	--	3724.80	84.7
MW-16R	8/30/17	3791.21	--	--	--	--	--
MW-16R	11/28/17	3791.21	66.56	--	--	3724.65	84.57
MW-16R	12/1/17	3791.21	--	--	--	--	--
MW-16R	2/27/18	3791.21	66.72	--	--	3724.49	84.78
MW-16R	5/29/18	3791.21	66.90	--	--	3724.31	84.85
MW-16R	8/29/18	3791.21	67.05	--	--	3724.16	84.78
MW-16R	11/27/18	3791.21	67.22	--	--	3723.99	--
MW-16R	2/25/19	3791.21	67.44	--	--	3723.77	--
MW-16R	2/26/19	3791.21	--	--	--	-	--
MW-16R	5/20/19	3791.21	67.60	--	--	3723.61	--
MW-16R	5/22/19	3791.21	--	--	--	-	--
MW-16R	7/23/19	3791.21	67.71	--	--	3723.50	--
MW-16R	7/24/19	3791.21	--	--	--	-	--
MW-16R	10/21/19	3791.21	67.93	--	--	3723.28	84.78
MW-16R	10/24/19	3791.21	--	--	--	--	--
MW-16R	2/11/20	3791.21	68.19	--	--	3723.02	85.51
MW-16R	4/28/20	3791.21	68.32	--	--	3722.89	--
MW-16R	5/12/20	3791.21	68.32	--	--	3722.89	--
MW-16R	6/19/20	3791.21	68.45	--	--	3722.76	--
MW-16R	7/29/20	3791.21	68.50	--	--	3722.71	--
MW-16R	8/27/20	3791.21	68.63	--	--	3722.58	--
MW-16R	9/14/20	3791.21	68.63	--	--	3722.58	--
MW-16R	10/29/20	3791.21	68.71	--	--	3722.50	--
MW-16R	12/7/20	3791.21	68.79	--	--	3722.42	--
MW-16R	1/25/21	3791.21	68.89	--	--	3722.32	--
MW-16R	2/8/21	3791.21	68.96	--	--	3722.25	84.30
MW-16R	3/22/21	3791.21	69.04	--	--	3722.17	--
MW-16R	5/3/21	3791.21	69.15	--	--	3722.06	--
MW-16R	5/10/21	3791.21	69.13	--	--	3722.08	--
MW-16R	7/28/21	3791.21	69.34	--	--	3721.87	--
MW-16R	8/10/21	3791.21	69.37	--	--	3721.84	84.50
MW-16R	9/29/21	3791.21	69.48	--	--	3721.73	84.30
MW-16R	10/27/21	3791.21	69.52	--	--	3721.69	84.30
MW-16R	11/10/21	3791.21	69.52	--	--	3721.69	84.30
MW-16R	12/21/21	3791.21	69.60	--	--	3721.61	84.30
MW-16R	1/24/22	3791.21	69.68	--	--	3721.53	84.30
MW-16R	2/10/22	3791.21	69.74	--	--	3721.47	84.50
MW-16R	3/17/22	3791.21	69.83	--	--	3721.38	84.50
MW-16R	4/13/22	3791.21	69.94	--	--	3721.27	84.50
MW-16R	5/4/22	3791.21	69.91	--	--	3721.30	84.50
MW-16R	6/14/22	3791.21	70.02	--	--	3721.19	84.50
MW-16R	7/26/22	3791.21	70.10	--	--	3721.11	84.50
MW-16R	8/22/22	3791.21	70.14	--	--	3721.07	84.50
MW-16R	11/7/22	3791.21	70.33	--	--	3720.88	84.50
MW-17R	2/28/17	3787.79	65.84	--	--	3721.95	78.46
MW-17R	3/2/17	3787.79	--	--	--	--	--
MW-17R	5/30/17	3787.79	66.00	--	--	3721.79	78.61
MW-17R	5/31/17	3787.79	--	--	--	--	--
MW-17R	8/29/17	3790.20	66.19	--	--	3724.01	78.63
MW-17R	8/30/17	3790.20	--	--	--	--	--
MW-17R	10/12/17	3790.20	--	--	--	--	--
MW-17R	11/28/17	3790.20	66.36	--	--	3723.84	78.61
MW-17R	12/1/17	3790.20	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-17R	2/27/18	3790.20	66.52	--	--	3723.68	78.69
MW-17R	5/29/18	3790.20	66.71	--	--	3723.49	78.8
MW-17R	8/29/18	3790.20	66.85	--	--	3723.35	78.69
MW-17R	11/27/18	3790.20	67.03	--	--	3723.17	--
MW-17R	2/25/19	3790.20	67.21	--	--	3722.99	--
MW-17R	2/26/19	3790.20	--	--	--	--	--
MW-17R	5/20/19	3790.20	67.42	--	--	3722.78	--
MW-17R	5/22/19	3790.20	--	--	--	--	--
MW-17R	7/23/19	3790.20	67.50	--	--	3722.70	--
MW-17R	7/24/19	3790.20	--	--	--	--	--
MW-17R	10/21/19	3790.20	67.70	--	--	3722.50	78.69
MW-17R	10/23/19	3790.20	--	--	--	--	--
MW-17R	2/11/20	3790.20	67.94	--	--	3722.26	79.15
MW-17R	4/28/20	3790.20	68.06	--	--	3722.14	--
MW-17R	5/12/20	3790.20	68.09	--	--	3722.11	--
MW-17R	6/19/20	3790.20	68.17	--	--	3722.03	--
MW-17R	7/29/20	3790.20	68.26	--	--	3721.94	--
MW-17R	8/27/20	3790.20	68.33	--	--	3721.87	--
MW-17R	9/14/20	3790.20	68.37	--	--	3721.83	--
MW-17R	10/29/20	3790.20	68.47	--	--	3721.73	--
MW-17R	12/7/20	3790.20	68.55	--	--	3721.65	--
MW-17R	1/25/21	3790.20	68.65	--	--	3721.55	--
MW-17R	2/8/21	3790.20	68.69	--	--	3721.51	78.71
MW-17R	3/22/21	3790.20	68.78	--	--	3721.42	--
MW-17R	5/3/21	3790.20	68.87	--	--	3721.33	--
MW-17R	5/10/21	3790.20	68.88	--	--	3721.32	--
MW-17R	7/28/21	3790.20	69.05	--	--	3721.15	--
MW-17R	8/10/21	3790.20	69.09	--	--	3721.11	78.80
MW-17R	9/29/21	3790.20	69.2	--	--	3721.00	78.71
MW-17R	10/27/21	3790.20	69.26	--	--	3720.94	78.71
MW-17R	11/10/21	3790.20	69.26	--	--	3720.94	78.71
MW-17R	12/21/21	3790.20	69.35	--	--	3720.85	78.71
MW-17R	1/24/22	3790.20	69.42	--	--	3720.78	78.71
MW-17R	2/10/22	3790.20	69.46	--	--	3720.74	78.80
MW-17R	3/17/22	3790.20	69.55	--	--	3720.65	78.80
MW-17R	4/13/22	3790.20	69.66	--	--	3720.54	78.80
MW-17R	5/4/22	3790.20	69.62	--	--	3720.58	78.80
MW-17R	6/14/22	3790.20	69.72	--	--	3720.48	78.80
MW-17R	7/26/22	3790.20	69.81	--	--	3720.39	78.80
MW-17R	8/22/22	3790.20	69.85	--	--	3720.35	78.80
MW-17R	11/7/22	3790.20	70.04	--	--	3720.16	78.80
MW-18	2/10/17	P&A	--	--	--	--	--
MW-18R	2/28/17	3791.04	66.26	--	--	3724.78	84.5
MW-18R	3/2/17	3791.04	--	--	--	--	--
MW-18R	5/2/17	3791.04	--	--	--	--	--
MW-18R	5/30/17	3791.04	66.45	--	--	3724.59	81.6
MW-18R	5/31/17	3791.04	--	--	--	--	--
MW-18R	8/29/17	3791.04	66.61	--	--	3724.43	81.38
MW-18R	8/30/17	3791.04	--	--	--	--	--
MW-18R	11/28/17	3791.04	66.76	--	--	3724.28	81.42
MW-18R	12/1/17	3791.04	--	--	--	--	--
MW-18R	2/27/18	3791.04	66.94	--	--	3724.10	81.48
MW-18R	5/29/18	3791.04	67.13	--	--	3723.91	81.52
MW-18R	8/29/18	3791.04	67.28	--	--	3723.76	81.48
MW-18R	11/27/18	3791.04	67.47	--	--	3723.57	--
MW-18R	2/25/19	3791.04	67.67	--	--	3723.37	--
MW-18R	2/26/19	3791.04	--	--	--	--	--
MW-18R	5/20/19	3791.04	67.88	--	--	3723.16	--
MW-18R	5/22/19	3791.04	--	--	--	--	--
MW-18R	7/23/19	3791.04	67.91	--	--	3723.13	--
MW-18R	7/24/19	3791.04	--	--	--	--	--
MW-18R	10/21/19	3791.04	68.13	--	--	3722.91	81.48
MW-18R	10/23/19	3791.04	--	--	--	--	--
MW-18R	2/11/20	3791.04	68.39	--	--	3722.65	81.94
MW-18R	4/28/20	3791.04	68.52	--	--	3722.52	--
MW-18R	5/12/20	3791.04	68.52	--	--	3722.52	--
MW-18R	6/19/20	3791.04	68.62	--	--	3722.42	--
MW-18R	7/29/20	3791.04	68.70	--	--	3722.34	--
MW-18R	8/27/20	3791.04	68.77	--	--	3722.27	--
MW-18R	9/14/20	3791.04	68.83	--	--	3722.21	--
MW-18R	10/29/20	3791.04	68.91	--	--	3722.13	--
MW-18R	12/7/20	3791.04	69.00	--	--	3722.04	--
MW-18R	1/25/21	3791.04	69.11	--	--	3721.93	--
MW-18R	2/8/21	3791.04	69.15	--	--	3721.89	81.41
MW-18R	3/22/21	3791.04	69.24	--	--	3721.80	--

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-18R	5/3/21	3791.04	69.33	--	--	3721.71	--
MW-18R	5/10/21	3791.04	69.33	--	--	3721.71	--
MW-18R	7/28/21	3791.04	69.50	--	--	3721.54	--
MW-18R	8/10/21	3791.04	69.54	--	--	3721.50	81.50
MW-18R	9/29/21	3791.04	69.66	--	--	3721.38	81.41
MW-18R	10/27/21	3791.04	69.73	--	--	3721.31	81.41
MW-18R	11/10/21	3791.04	69.74	--	--	3721.30	81.41
MW-18R	12/21/21	3791.04	69.80	--	--	3721.24	81.41
MW-18R	1/24/22	3791.04	69.87	--	--	3721.17	81.41
MW-18R	2/10/22	3791.04	69.92	--	--	3721.12	81.50
MW-18R	3/17/22	3791.04	70.02	--	--	3721.02	81.50
MW-18R	4/13/22	3791.04	70.11	--	--	3720.93	81.50
MW-18R	5/4/22	3791.04	70.08	--	--	3720.96	81.50
MW-18R	6/14/22	3791.04	70.19	--	--	3720.85	81.50
MW-18R	7/26/22	3791.04	70.27	--	--	3720.77	81.50
MW-18R	8/22/22	3791.04	70.32	--	--	3720.72	81.50
MW-18R	11/7/22	3791.04	70.51	--	--	3720.53	81.50
MW-19R	2/28/17	3787.26	65.69	--	--	3721.57	78.97
MW-19R	3/2/17	3787.26	--	--	--	--	--
MW-19R	5/30/17	3787.26	65.85	--	--	3721.41	79.91
MW-19R	5/31/17	3787.26	--	--	--	--	--
MW-19R	6/14/17	3787.26	--	--	--	--	--
MW-19R	7/6/17	3789.67	--	--	--	--	--
MW-19R	7/14/17	3789.67	--	--	--	--	--
MW-19R	8/30/17	3789.67	66.05	--	--	3723.62	78.58
MW-19R	9/6/17	3789.67	--	--	--	--	--
MW-19R	9/12/17	3789.67	--	--	--	--	--
MW-19R	9/20/17	3789.67	--	--	--	--	--
MW-19R	10/12/17	3789.67	--	--	--	--	--
MW-19R	10/24/17	3789.67	--	--	--	--	--
MW-19R	11/28/17	3789.67	66.21	--	--	3723.46	78.19
MW-19R	12/1/17	3789.67	--	--	--	--	--
MW-19R	2/27/18	3789.67	66.37	--	--	3723.30	71.11
MW-19R	4/24/18	3789.67	66.46	--	--	3723.21	--
MW-19R	5/29/18	3789.67	66.55	--	--	3723.12	78.23
MW-19R	8/29/18	3789.67	66.68	--	--	3722.99	--
MW-19R	11/27/18	3789.67	66.85	--	--	3722.82	--
MW-19R	2/25/19	3789.67	67.06	--	--	3722.61	--
MW-19R	2/26/19	3789.67	--	--	--	--	--
MW-19R	5/20/19	3789.67	67.23	--	--	3722.44	--
MW-19R	5/22/19	3789.67	--	--	--	--	--
MW-19R	7/23/19	3789.67	67.30	--	--	3722.37	--
MW-19R	7/24/19	3789.67	--	--	--	--	--
MW-19R	10/21/19	3789.67	67.51	--	--	3722.16	71.11
MW-19R	10/23/19	3789.67	--	--	--	--	--
MW-19R	2/11/20	3789.67	67.79	--	--	3721.88	78.79
MW-19R	4/28/20	3789.67	67.90	--	--	3721.77	--
MW-19R	5/12/20	3789.67	67.91	--	--	3721.76	--
MW-19R	6/19/20	3789.67	68.00	--	--	3721.67	--
MW-19R	7/29/20	3789.67	68.08	--	--	3721.59	--
MW-19R	8/27/20	3789.67	68.15	--	--	3721.52	--
MW-19R	9/14/20	3789.67	68.42	--	--	3721.25	--
MW-19R	10/29/20	3789.67	68.29	--	--	3721.38	--
MW-19R	12/7/20	3789.67	68.35	--	--	3721.32	--
MW-19R	1/25/21	3789.67	68.48	--	--	3721.19	--
MW-19R	2/8/21	3789.67	68.54	--	--	3721.13	77.66
MW-19R	3/22/21	3789.67	68.60	--	--	3721.07	--
MW-19R	5/3/21	3789.67	68.67	--	--	3721.00	--
MW-19R	5/10/21	3789.67	68.72	--	--	3720.95	--
MW-19R	7/28/21	3789.67	68.86	--	--	3720.81	--
MW-19R	8/10/21	3789.67	68.91	--	--	3720.76	77.78
MW-19R	9/29/21	3789.67	69.00	--	--	3720.67	77.66
MW-19R	10/27/21	3789.67	69.09	--	--	3720.58	77.66
MW-19R	11/10/21	3789.67	69.11	--	--	3720.56	77.66
MW-19R	12/21/21	3789.67	69.16	--	--	3720.51	77.66
MW-19R	1/24/22	3789.67	69.21	--	--	3720.46	77.66
MW-19R	2/10/22	3789.67	69.26	--	--	3720.41	77.78
MW-19R	3/17/22	3789.67	69.35	--	--	3720.32	77.78
MW-19R	4/13/22	3789.67	69.47	--	--	3720.20	77.78
MW-19R	5/4/22	3789.67	69.44	--	--	3720.23	77.78
MW-19R	6/14/22	3789.67	69.55	--	--	3720.12	77.78
MW-19R	7/26/22	3789.67	69.91	--	--	3719.76	77.78
MW-19R	8/22/22	3789.67	69.67	--	--	3720.00	77.78
MW-19R	11/7/22	3789.67	69.84	--	--	3719.83	77.78

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-20R	2/28/17	3787.28	65.32	--	--	3721.96	72.17
MW-20R	3/2/17	3787.28	--	--	--	--	--
MW-20R	5/30/17	3787.28	65.45	--	--	3721.83	72.51
MW-20R	5/31/17	3787.28	--	--	--	--	--
MW-20R	8/30/17	3789.73	65.65	--	--	3724.08	72.01
MW-20R	11/28/17	3789.73	65.80	--	--	3723.93	71.92
MW-20R	12/1/17	3789.73	--	--	--	--	--
MW-20R	2/27/18	3789.73	65.94	--	--	3723.79	72.06
MW-20R	4/24/18	3789.73	66.07	--	--	3723.66	72.03
MW-20R	5/29/18	3789.73	66.14	--	--	3723.59	72.06
MW-20R	8/29/18	3789.73	66.28	--	--	3723.45	--
MW-20R	11/27/18	3789.73	66.55	--	--	3723.18	--
MW-20R	2/25/19	3789.73	66.67	--	--	3723.06	--
MW-20R	2/26/19	3789.73	--	--	--	--	--
MW-20R	5/20/19	3789.73	66.90	--	--	3722.83	--
MW-20R	5/22/19	3789.73	--	--	--	--	--
MW-20R	7/23/19	3789.73	66.95	--	--	3722.78	--
MW-20R	7/24/19	3789.73	--	--	--	--	--
MW-20R	10/21/19	3789.73	67.15	--	--	3722.58	72.06
MW-20R	10/24/19	3789.73	--	--	--	--	--
MW-20R	2/11/20	3789.73	67.39	--	--	3722.34	72.51
MW-20R	4/28/20	3789.73	67.55	--	--	3722.18	--
MW-20R	5/12/20	3789.73	67.53	--	--	3722.20	--
MW-20R	6/19/20	3789.73	67.64	--	--	3722.09	--
MW-20R	7/29/20	3789.73	67.71	--	--	3722.02	--
MW-20R	8/27/20	3789.73	67.77	--	--	3721.96	--
MW-20R	9/14/20	3789.73	67.85	--	--	3721.88	--
MW-20R	10/29/20	3789.73	67.91	--	--	3721.82	--
MW-20R	12/7/20	3789.73	67.98	--	--	3721.75	--
MW-20R	1/25/21	3789.73	68.10	--	--	3721.63	--
MW-20R	2/8/21	3789.73	68.14	--	--	3721.59	71.45
MW-20R	3/22/21	3789.73	68.24	--	--	3721.49	--
MW-20R	5/3/21	3789.73	68.31	--	--	3721.42	--
MW-20R	5/10/21	3789.73	68.35	--	--	3721.38	--
MW-20R	7/28/21	3789.73	68.49	--	--	3721.24	--
MW-20R	8/10/21	3789.73	68.53	--	--	3721.20	71.30
MW-20R	9/29/21	3789.73	68.63	--	--	3721.10	71.45
MW-20R	10/27/21	3789.73	68.70	--	--	3721.03	71.45
MW-20R	11/10/21	3789.73	68.72	--	--	3721.01	71.45
MW-20R	12/21/21	3789.73	68.80	--	--	3720.93	71.45
MW-20R	1/24/22	3789.73	68.85	--	--	3720.88	71.45
MW-20R	2/10/22	3789.73	68.90	--	--	3720.83	71.29
MW-20R	3/17/22	3789.73	69.00	--	--	3720.73	71.29
MW-20R	4/13/22	3789.73	69.08	--	--	3720.65	71.29
MW-20R	5/4/22	3789.73	69.09	--	--	3720.64	71.29
MW-20R	6/14/22	3789.73	69.17	--	--	3720.56	71.29
MW-20R	7/26/22	3789.73	69.24	--	--	3720.49	71.29
MW-20R	8/22/22	3789.73	69.29	--	--	3720.44	71.29
MW-20R	11/7/22	3789.73	69.47	--	--	3720.26	71.29
MW-21	2/28/17	3787.85	66.02	--	--	3721.83	68.34
MW-21	3/2/17	3787.85	--	--	--	--	--
MW-21	5/30/17	3787.85	66.20	--	--	3721.65	68.64
MW-21	5/31/17	3787.85	--	--	--	--	--
MW-21	8/30/17	3790.26	66.36	--	--	3723.90	68.37
MW-21	11/28/17	3790.26	66.51	--	--	3723.75	68.36
MW-21	12/1/17	3790.26	--	--	--	--	--
MW-21	2/27/18	3790.26	66.70	--	--	3723.56	68.4
MW-21	4/24/18	3790.26	66.78	--	--	3723.48	68.45
MW-21	5/29/18	3790.26	66.87	--	--	3723.39	--
MW-21	8/29/18	3790.26	67.00	--	--	3723.26	68.48
MW-21	11/27/18	3790.26	67.30	--	--	3722.96	--
MW-21	2/25/19	3790.26	67.38	--	--	3722.88	--
MW-21	2/26/19	3790.26	--	--	--	--	--
MW-21	5/20/19	3790.26	67.61	--	--	3722.65	--
MW-21	5/22/19	3790.26	--	--	--	--	--
MW-21	7/23/19	3790.26	67.63	--	--	3722.63	--
MW-21	7/24/19	3790.26	--	--	--	--	--
MW-21	10/21/19	3790.26	67.87	--	--	3722.39	68.4
MW-21	10/24/19	3790.26	--	--	--	--	--
MW-21	2/19/20	P&A	--	--	--	--	--
MW-21R	3/12/20	3789.71	67.60	--	--	3722.11	89.94
MW-21R	3/23/20	3789.71	67.71	--	--	3722.00	89.93
MW-21R	4/28/20	3789.71	67.80	--	--	3721.91	--
MW-21R	5/12/20	3789.71	67.79	--	--	3721.92	--
MW-21R	6/19/20	3789.71	67.91	--	--	3721.80	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-21R	7/29/20	3789.71	67.95	--	--	3721.76	--
MW-21R	8/27/20	3789.71	68.04	--	--	3721.67	--
MW-21R	9/14/20	3789.71	68.06	--	--	3721.65	--
MW-21R	10/29/20	3789.71	68.17	--	--	3721.54	--
MW-21R	12/7/20	3789.71	68.25	--	--	3721.46	--
MW-21R	1/25/21	3789.71	68.35	--	--	3721.36	--
MW-21R	2/8/21	3789.71	68.42	--	--	3721.29	89.45
MW-21R	3/22/21	3789.71	68.50	--	--	3721.21	--
MW-21R	5/3/21	3789.71	68.56	--	--	3721.15	--
MW-21R	5/10/21	3789.71	68.61	--	--	3721.10	--
MW-21R	7/28/21	3789.71	68.75	--	--	3720.96	--
MW-21R	8/10/21	3789.71	68.80	--	--	3720.91	89.80
MW-21R	9/29/21	3789.71	68.89	--	--	3720.82	89.90
MW-21R	10/27/21	3789.71	69.95	--	--	3719.76	89.90
MW-21R	11/10/21	3789.71	68.96	--	--	3720.75	89.90
MW-21R	12/21/21	3789.71	70.02	--	--	3719.69	89.90
MW-21R	1/24/22	3789.71	69.11	--	--	3720.60	89.90
MW-21R	2/10/22	3789.71	69.15	--	--	3720.56	89.80
MW-21R	3/17/22	3789.71	69.22	--	--	3720.49	89.80
MW-21R	4/13/22	3789.71	69.33	--	--	3720.38	89.80
MW-21R	5/4/22	3789.71	69.31	--	--	3720.40	89.90
MW-21R	6/14/22	3789.71	69.43	--	--	3720.28	89.90
MW-21R	7/26/22	3789.71	69.49	--	--	3720.22	89.90
MW-21R	8/22/22	3789.71	69.56	--	--	3720.15	89.90
MW-21R	11/7/22	3789.71	69.73	--	--	3719.98	89.90
MW-22	2/28/17	3788.97	65.17	--	--	3723.80	84.84
MW-22	3/2/17	3788.97	--	--	--	--	--
MW-22	5/30/17	3788.97	65.36	--	--	3723.61	84.81
MW-22	5/31/17	3788.97	--	--	--	--	--
MW-22	8/30/17	3788.97	65.53	--	--	3723.44	84.5
MW-22	8/30/17	3788.97	--	--	--	--	--
MW-22	11/28/17	3788.97	65.68	--	--	3723.29	84.36
MW-22	12/1/17	3788.97	--	--	--	--	--
MW-22	2/27/18	3788.97	65.90	--	--	3723.07	84.56
MW-22	5/29/18	3788.97	66.04	--	--	3722.93	84.51
MW-22	8/29/18	3788.97	66.17	--	--	3722.80	84.56
MW-22	11/27/18	3788.97	66.38	--	--	3722.59	--
MW-22	2/25/19	3788.97	66.53	--	--	3722.44	--
MW-22	2/26/19	3788.97	--	--	--	--	--
MW-22	5/20/19	3788.97	66.70	--	--	3722.27	--
MW-22	5/22/19	3788.97	--	--	--	--	--
MW-22	7/23/19	3788.97	66.79	--	--	3722.18	--
MW-22	7/24/19	3788.97	--	--	--	--	--
MW-22	10/21/19	3788.97	67.02	--	--	3721.95	84.56
MW-22	10/24/19	3788.97	--	--	--	--	--
MW-22	2/11/20	3788.97	67.31	--	--	3721.66	85.22
MW-22	4/28/20	3788.97	67.40	--	--	3721.57	--
MW-22	5/12/20	3788.97	67.39	--	--	3721.58	--
MW-22	6/19/20	3788.97	67.47	--	--	3721.50	--
MW-22	7/29/20	3788.97	67.58	--	--	3721.39	--
MW-22	8/27/20	3788.97	67.63	--	--	3721.34	--
MW-22	9/14/20	3788.97	67.69	--	--	3721.28	--
MW-22	10/29/20	3788.97	67.78	--	--	3721.19	--
MW-22	12/7/20	3788.97	67.83	--	--	3721.14	--
MW-22	1/25/21	3788.97	67.96	--	--	3721.01	--
MW-22	2/8/21	3788.97	68.00	--	--	3720.97	83.89
MW-22	3/22/21	3788.97	68.07	--	--	3720.90	--
MW-22	5/3/21	3788.97	68.15	--	--	3720.82	--
MW-22	5/10/21	3788.97	68.19	--	--	3720.78	--
MW-22	7/28/21	3788.97	68.33	--	--	3720.64	--
MW-22	8/10/21	3788.97	68.37	--	--	3720.60	84.30
MW-22	9/29/21	3788.97	68.50	--	--	3720.47	84.30
MW-22	10/27/21	3788.97	68.53	--	--	3720.44	84.30
MW-22	11/10/21	3788.97	68.54	--	--	3720.43	84.30
MW-22	12/21/21	3788.97	68.64	--	--	3720.33	84.30
MW-22	1/24/22	3788.97	68.70	--	--	3720.27	84.30
MW-22	2/10/22	3788.97	68.77	--	--	3720.20	84.30
MW-22	3/17/22	3788.97	68.82	--	--	3720.15	84.30
MW-22	4/13/22	3788.97	68.94	--	--	3720.03	84.30
MW-22	5/4/22	3788.97	68.92	--	--	3720.05	84.30
MW-22	6/14/22	3788.97	69.02	--	--	3719.95	84.30
MW-22	7/26/22	3788.97	69.09	--	--	3719.88	84.30
MW-22	8/22/22	3788.97	69.15	--	--	3719.82	84.30
MW-22	11/7/22	3788.97	69.33	--	--	3719.64	84.30

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-23	2/28/17	3790.93	66.05	--	--	3724.88	83.75
MW-23	3/2/17	3790.93	--	--	--	--	--
MW-23	5/2/17	3790.93	--	--	--	--	--
MW-23	5/30/17	3790.93	66.75	66.10	0.65	3724.71	--
MW-23	6/14/17	3790.93	--	--	--	--	--
MW-23	7/6/17	3790.93	--	--	--	--	--
MW-23	8/30/17	3790.93	68.37	66.05	2.32	3724.44	--
MW-23	9/12/17	3790.93	--	--	--	--	--
MW-23	10/12/17	3790.93	--	--	--	--	--
MW-23	10/18/17	3790.93	--	--	--	--	--
MW-23	10/24/17	3790.93	--	--	--	--	--
MW-23	11/14/17	3790.93	--	--	--	--	--
MW-23	11/28/17	3790.93	67.84	66.28	1.56	3724.35	--
MW-23	12/5/17	3790.93	--	--	--	--	--
MW-23	12/20/17	3790.93	--	--	--	--	--
MW-23	2/27/18	3790.93	67.90	66.52	1.38	3724.15	83.82
MW-23	5/29/18	3790.93	66.84	66.62	0.22	3724.27	--
MW-23	8/29/18	3790.93	68.37	66.80	1.57	3723.83	--
MW-23	10/3/18	3790.93	--	--	--	--	--
MW-23	11/27/18	3790.93	69.70	66.77	2.93	3723.60	--
MW-23	2/25/19	3790.93	70.98	66.53	4.45	3723.55	--
MW-23	4/30/19	3790.93	72.64	66.52	6.12	3723.25	--
MW-23	5/20/19	3790.93	69.30	67.40	1.90	3723.17	--
MW-23	6/11/19	3790.93	--	--	--	--	--
MW-23	6/18/19	3790.93	--	--	--	--	--
MW-23	6/25/19	3790.93	--	--	--	--	--
MW-23	7/2/19	3790.93	--	--	--	--	--
MW-23	7/8/19	3790.93	--	--	--	--	--
MW-23	7/23/19	3790.93	69.31	67.50	1.81	3723.09	--
MW-23	8/6/19	3790.93	--	--	--	--	--
MW-23	8/13/19	3790.93	--	--	--	--	--
MW-23	8/20/19	3790.93	--	--	--	--	--
MW-23	8/28/19	3790.93	--	--	--	--	--
MW-23	9/10/19	3790.93	--	--	--	--	--
MW-23	9/25/19	3790.93	--	--	--	--	--
MW-23	10/2/19	3790.93	--	--	--	--	--
MW-23	10/21/19	3790.93	69.69	67.61	2.08	3722.92	--
MW-23	11/20/19	3790.93	--	--	--	--	--
MW-23	12/11/19	3790.93	--	--	--	--	--
MW-23	12/18/19	3790.93	--	--	--	--	--
MW-23	12/24/19	3790.93	--	--	--	--	--
MW-23	1/8/20	3790.93	--	--	--	--	--
MW-23	1/15/20	3790.93	--	--	--	--	--
MW-23	1/29/20	3790.93	--	--	--	--	--
MW-23	2/11/20	3790.93	69.37	67.93	1.44	3722.73	84.92
MW-23	4/28/20	3790.93	70.98	67.80	3.18	3722.53	--
MW-23	5/12/20	3790.93	71.28	67.74	3.54	3722.52	--
MW-23	6/19/20	3790.93	71.81	67.74	4.07	3722.42	--
MW-23	7/29/20	3790.93	72.04	67.75	4.29	3722.36	--
MW-23	8/27/20	3790.93	72.37	67.78	4.59	3722.28	--
MW-23	9/14/20	3790.93	72.50	67.88	4.62	3722.17	--
MW-23	10/29/20	3790.93	72.74	67.90	4.84	3722.11	--
MW-23	12/7/20	3790.93	72.92	67.95	4.97	3722.04	--
MW-23	1/25/21	3790.93	73.06	68.09	4.97	3721.90	--
MW-23	2/8/21	3790.93	73.07	68.12	4.95	3721.87	83.59
MW-23	3/22/21	3790.93	73.32	68.23	5.09	3721.73	--
MW-23	5/3/21	3790.93	73.46	68.30	5.16	3721.65	--
MW-23	5/10/21	3790.93	73.47	68.26	5.21	3721.68	--
MW-23	7/28/21	3790.93	73.70	68.49	5.21	3721.45	--
MW-23	8/10/21	3790.93	73.72	68.47	5.25	3721.46	--
MW-23	9/29/21	3790.93	73.75	68.60	5.15	3721.35	83.59
MW-23	10/27/21	3790.93	73.91	68.68	5.23	3721.26	83.59
MW-23	11/10/21	3790.93	73.85	68.68	5.17	3721.27	83.59
MW-23	12/21/21	3790.93	73.93	68.77	5.16	3721.18	83.59
MW-23	1/24/22	3790.93	74.01	68.81	5.20	3721.13	83.59
MW-23	2/10/22	3790.93	73.96	68.87	5.09	3721.09	--
MW-23	3/10/22	3790.93	74.06	68.96	5.10	3721.00	--
MW-23	3/10/22	3790.93	71.01	69.58	1.43	3721.08	--
MW-23	3/17/22	3790.93	71.88	69.42	2.46	3721.04	83.53
MW-23	3/25/22	3790.93	72.10	69.38	2.72	3721.03	83.53
MW-23	3/25/22	3790.93	69.99	69.65	0.34	3721.22	83.53
MW-23	3/31/22	3790.93	71.31	69.56	1.75	3721.04	83.53
MW-23	3/31/22	3790.93	70.21	69.77	0.44	3721.08	83.53
MW-23	4/7/22	3790.93	70.91	69.62	1.29	3721.06	83.53

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Darr Angell No. 1 SRS Darr Angell #1
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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-23	4/7/22	3790.93	70.31	69.70	0.61	3721.11	83.53
MW-23	4/13/22	3790.93	71.20	69.67	1.53	3720.97	83.53
MW-23	4/21/22	3790.93	71.35	69.77	1.58	3720.86	83.53
MW-23	4/21/22	3790.93	71.26	70.95	0.31	3719.92	83.53
MW-23	5/4/22	3790.93	71.11	69.66	1.45	3720.99	83.53
MW-23	6/14/22	3790.93	71.73	69.65	2.08	3720.88	83.53
MW-23	6/30/22	3790.93	71.94	69.69	2.25	3720.81	83.53
MW-23	6/30/22	3790.93	71.24	69.79	1.45	3720.86	83.53
MW-23	7/7/22	3790.93	71.64	69.76	1.88	3720.81	83.53
MW-23	7/7/22	3790.93	70.96	69.88	1.08	3720.84	83.53
MW-23	7/20/22	3790.93	71.35	69.81	1.54	3720.83	83.53
MW-23	7/20/22	3790.93	70.80	69.85	0.95	3720.90	83.53
MW-23	7/26/22	3790.93	69.75	69.62	0.13	3721.29	83.53
MW-23	8/23/22	3790.93	71.39	69.92	1.47	3720.73	83.53
MW-23	9/12/22	3790.93	71.72	69.99	1.73	3720.61	83.53
MW-23	9/12/22	3790.93	70.55	70.14	0.41	3720.71	83.53
MW-23	9/19/22	3790.93	71.66	69.90	1.76	3720.70	83.53
MW-23	9/19/22	3790.93	70.46	70.12	0.34	3720.75	83.53
MW-23	10/10/22	3790.93	71.94	70.18	1.76	3720.42	83.53
MW-23	10/10/22	3790.93	71.56	71.02	0.54	3719.81	83.53
MW-23	10/17/22	3790.93	71.14	70.13	1.01	3720.61	83.53
MW-23	10/17/22	3790.93	70.84	70.53	0.31	3720.34	83.53
MW-23	10/23/22	3790.93	71.84	70.01	1.83	3720.57	83.53
MW-23	10/23/22	3790.93	70.50	70.15	0.35	3720.71	83.53
MW-23	11/7/22	3790.93	70.78	70.25	0.53	3720.58	83.53
MW-23	11/21/22	3790.93	70.85	70.24	0.61	3720.57	83.53
MW-23	11/21/22	3790.93	70.65	70.55	0.10	3720.36	83.53
MW-23	12/2/22	3790.93	70.71	70.14	0.57	3720.68	83.53
MW-23	12/2/22	3790.93	70.59	70.55	0.04	3720.37	83.53
MW-23	12/5/22	3790.93	71.09	70.33	0.76	3720.46	83.53
MW-23	12/12/22	3790.93	70.82	70.34	0.48	3720.50	83.53
MW-24	2/27/20	3791.40	--	--	--	--	--
MW-24	3/12/20	3791.40	68.30	--	--	3723.10	89.97
MW-24	3/23/20	3791.40	68.40	--	--	3723.00	90.02
MW-24	4/28/20	3791.40	68.47	--	--	3722.93	--
MW-24	5/12/20	3791.40	68.47	--	--	3722.93	--
MW-24	6/19/20	3791.40	68.58	--	--	3722.82	--
MW-24	7/29/20	3791.40	68.56	--	--	3722.84	--
MW-24	8/27/20	3791.40	68.74	--	--	3722.66	--
MW-24	9/14/20	3791.40	68.78	--	--	3722.62	--
MW-24	10/29/20	3791.40	68.68	--	--	3722.72	--
MW-24	12/7/20	3791.40	68.94	--	--	3722.46	--
MW-24	1/25/21	3791.40	69.06	--	--	3722.34	--
MW-24	2/8/21	3791.40	69.12	--	--	3722.28	89.97
MW-24	3/22/21	3791.40	69.19	--	--	3722.21	--
MW-24	5/3/21	3791.40	69.29	--	--	3722.11	--
MW-24	5/10/21	3791.40	69.30	--	--	3722.10	--
MW-24	7/28/21	3791.40	69.48	--	--	3721.92	--
MW-24	8/10/21	3791.40	69.52	--	--	3721.88	90.10
MW-24	9/29/21	3791.40	69.63	--	--	3721.77	89.97
MW-24	10/27/21	3791.40	69.68	--	--	3721.72	89.97
MW-24	11/10/21	3791.40	69.67	--	--	3721.73	89.97
MW-24	12/21/21	3791.40	69.78	--	--	3721.62	89.97
MW-24	1/24/22	3791.40	69.84	--	--	3721.56	89.97
MW-24	2/10/22	3791.40	69.88	--	--	3721.52	90.11
MW-24	3/17/22	3791.40	70.01	--	--	3721.39	90.11
MW-24	4/13/22	3791.40	70.08	--	--	3721.32	90.11
MW-24	5/4/22	3791.40	70.04	--	--	3721.36	90.11
MW-24	6/14/22	3791.40	70.17	--	--	3721.23	90.11
MW-24	7/26/22	3791.40	70.24	--	--	3721.16	90.11
MW-24	8/22/22	3791.40	70.30	--	--	3721.10	90.11
MW-24	11/7/22	3791.40	70.48	--	--	3720.92	90.11
MW-25	2/27/20	3790.01	--	--	--	--	--
MW-25	3/12/20	3790.01	67.57	--	--	3722.44	89.95
MW-25	3/23/20	3790.01	67.69	--	--	3722.32	90.09
MW-25	4/28/20	3790.01	67.76	--	--	3722.25	--
MW-25	5/12/20	3790.01	67.74	--	--	3722.27	--
MW-25	6/19/20	3790.01	67.87	--	--	3722.14	--
MW-25	7/29/20	3790.01	67.93	--	--	3722.08	--
MW-25	8/27/20	3790.01	68.00	--	--	3722.01	--
MW-25	9/14/20	3790.01	68.05	--	--	3721.96	--
MW-25	10/29/20	3790.01	68.14	--	--	3721.87	--
MW-25	12/7/20	3790.01	68.20	--	--	3721.81	--
MW-25	1/25/21	3790.01	68.33	--	--	3721.68	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-25	2/8/21	3790.01	68.37	--	--	3721.64	89.95
MW-25	3/22/21	3790.01	68.46	--	--	3721.55	--
MW-25	5/3/21	3790.01	68.54	--	--	3721.47	--
MW-25	5/10/21	3790.01	68.55	--	--	3721.46	--
MW-25	7/28/21	3790.01	68.73	--	--	3721.28	--
MW-25	8/10/21	3790.01	68.77	--	--	3721.24	90.08
MW-25	9/29/21	3790.01	68.87	--	--	3721.14	89.95
MW-25	10/27/21	3790.01	69.93	--	--	3720.08	89.95
MW-25	11/10/21	3790.01	68.93	--	--	3721.08	89.95
MW-25	12/21/21	3790.01	69.02	--	--	3720.99	89.95
MW-25	1/24/22	3790.01	69.07	--	--	3720.94	89.95
MW-25	2/10/22	3790.01	69.12	--	--	3720.89	90.10
MW-25	3/17/22	3790.01	69.22	--	--	3720.79	90.10
MW-25	4/13/22	3790.01	69.32	--	--	3720.69	90.10
MW-25	5/4/22	3790.01	69.32	--	--	3720.69	90.10
MW-25	6/14/22	3790.01	69.41	--	--	3720.60	90.10
MW-25	7/26/22	3790.01	69.48	--	--	3720.53	90.10
MW-25	8/22/22	3790.01	69.53	--	--	3720.48	90.10
MW-25	11/7/22	3790.01	69.72	--	--	3720.29	90.10
RW-1	2/28/17	3788.33	Dry	--	--	--	--
RW-1	5/31/17	3788.33	Dry	--	--	--	59.07
RW-1	8/30/17	3790.75	Dry	--	--	--	59.25
RW-1	11/28/17	3790.75	Dry	--	--	--	59.24
RW-1	2/27/18	3790.75	Dry	--	--	--	60.64
RW-1	5/29/18	3790.75	Dry	--	--	--	60.65
RW-1	8/29/18	3790.75	Dry	--	--	--	60.64
RW-1	11/27/18	3790.75	Dry	--	--	--	--
RW-1	2/25/19	3790.75	Dry	--	--	--	--
RW-1	5/20/19	3790.75	Dry	--	--	--	--
RW-1	7/23/19	3790.75	Dry	--	--	--	--
RW-1	10/21/19	3790.75	Dry	--	--	--	60.63
RW-1	2/19/20	P&A	--	--	--	--	--
RW-1R	3/3/20	3790.43	--	--	--	--	--
RW-1R	3/12/20	3790.43	68.77	67.49	1.28	3722.70	90.8
RW-1R	3/23/20	3790.43	71.19	67.09	4.10	3722.56	90.96
RW-1R	4/28/20	3790.43	72.60	66.85	5.75	3722.49	--
RW-1R	5/12/20	3790.43	72.60	66.85	5.75	3722.49	--
RW-1R	6/19/20	3790.43	--	--	--	--	--
RW-1R	7/29/20	3790.43	73.18	67.09	6.09	3722.18	--
RW-1R	8/27/20	3790.43	--	--	--	--	--
RW-1R	9/14/20	3790.43	72.47	67.24	5.23	3722.20	--
RW-1R	10/29/20	3790.43	72.85	67.21	5.64	3722.15	--
RW-1R	12/7/20	3790.43	73.02	67.32	5.70	3722.03	--
RW-1R	1/25/21	3790.43	--	--	--	--	--
RW-1R	2/8/21	3790.43	72.65	67.59	5.06	3721.88	90.89
RW-1R	3/22/21	3790.43	--	--	--	--	--
RW-1R	5/3/21	3790.43	--	--	--	--	--
RW-1R	5/10/21	3790.43	72.80	67.79	5.01	3721.69	--
RW-1R	7/28/21	3790.43	73.68	67.84	5.84	3721.48	--
RW-1R	8/10/21	3790.43	73.90	68.02	5.88	3721.29	--
RW-1R	9/29/21	3790.43	74.05	67.11	6.94	3722.00	90.89
RW-1R	10/27/21	3790.43	74.03	68.16	5.87	3721.15	90.89
RW-1R	11/10/21	3790.43	74.05	68.17	5.88	3721.14	90.89
RW-1R	12/21/21	3790.43	74.21	68.26	5.95	3721.04	90.89
RW-1R	1/24/22	3790.43	74.16	68.17	5.99	3721.12	90.89
RW-1R	2/10/22	3790.43	74.36	68.38	5.98	3720.91	--
RW-1R	3/10/22	3790.43	74.47	68.49	5.98	3720.80	--
RW-1R	3/10/22	3790.43	70.49	69.34	1.15	3720.87	--
RW-1R	3/17/22	3790.43	--	--	--	--	--
RW-1R	3/25/22	3790.43	74.40	68.51	5.89	3720.80	90.08
RW-1R	3/25/22	3790.43	69.55	--	0.00	3720.88	90.08
RW-1R	3/31/22	3790.43	73.63	68.70	4.93	3720.79	90.08
RW-1R	3/31/22	3790.43	70.10	69.58	0.52	3720.75	90.08
RW-1R	4/7/22	3790.43	73.81	68.63	5.18	3720.82	90.08
RW-1R	4/7/22	3790.43	70.03	69.49	0.54	3720.84	90.08
RW-1R	4/13/22	3790.43	73.41	68.77	4.64	3720.78	90.08
RW-1R	4/21/22	3790.43	73.49	68.43	5.06	3721.04	90.08
RW-1R	4/21/22	3790.43	70.66	70.13	0.53	3720.20	90.08
RW-1R	4/28/22	3790.43	74.08	68.50	5.58	3720.87	90.08
RW-1R	4/28/22	3790.43	70.67	69.98	0.69	3720.32	90.08
RW-1R	5/4/22	3790.43	73.74	68.72	5.02	3720.76	90.80
RW-1R	5/12/22	3790.43	74.28	69.62	4.66	3719.92	90.80
RW-1R	5/12/22	3790.43	71.34	70.85	0.49	3719.49	90.80
RW-1R	5/23/22	3790.43	74.29	68.72	5.57	3720.65	90.80
RW-1R	5/23/22	3790.43	70.34	69.60	0.74	3720.69	90.80
RW-1R	5/31/22	3790.43	73.84	68.79	5.05	3720.68	90.80

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-1R	5/31/22	3790.43	71.14	--	--	3719.29	90.80
RW-1R	6/6/22	3790.43	73.36	69.91	3.45	3719.86	90.80
RW-1R	6/6/22	3790.43	71.05	71.02	0.03	3719.40	90.80
RW-1R	6/14/22	3790.43	73.67	69.86	3.81	3719.85	90.80
RW-1R	6/30/22	3790.43	74.32	68.78	5.54	3720.60	90.80
RW-1R	6/30/22	3790.43	70.75	69.57	1.18	3720.64	90.80
RW-1R	7/7/22	3790.43	73.89	68.87	5.02	3720.61	90.80
RW-1R	7/7/22	3790.43	70.19	69.63	0.56	3720.69	90.80
RW-1R	7/20/22	3790.43	74.17	68.81	5.36	3720.60	90.80
RW-1R	7/20/22	3790.43	70.13	70.00	0.13	3720.41	90.80
RW-1R	7/26/22	3790.43	73.67	68.95	4.72	3720.58	90.80
RW-1R	8/1/22	3790.43	74.19	68.87	5.32	3720.55	90.80
RW-1R	8/1/22	3790.43	70.30	70.23	0.07	3720.19	90.80
RW-1R	8/8/22	3790.43	73.81	68.95	4.86	3720.56	90.80
RW-1R	8/8/22	3790.43	70.25	70.24	0.01	3720.19	90.80
RW-1R	8/23/22	3790.43	74.31	69.91	4.40	3719.68	90.80
RW-1R	8/29/22	3790.43	74.41	68.89	5.52	3720.49	90.80
RW-1R	8/29/22	3790.43	70.13	--	--	3720.30	90.80
RW-1R	9/6/22	3790.43	74.10	68.99	5.11	3720.47	90.80
RW-1R	9/6/22	3790.43	70.38	70.30	0.08	3720.11	90.80
RW-1R	9/12/22	3790.43	74.56	69.01	5.55	3720.37	90.80
RW-1R	9/12/22	3790.43	70.36	69.93	0.43	3720.42	90.80
RW-1R	9/19/22	3790.43	74.26	68.95	5.31	3720.47	90.80
RW-1R	9/19/22	3790.43	70.05	69.91	0.14	3720.49	90.80
RW-1R	10/10/22	3790.43	73.99	69.31	4.68	3720.23	90.80
RW-1R	10/10/22	3790.43	71.70	71.08	0.62	3719.23	90.80
RW-1R	10/17/22	3790.43	74.38	69.07	5.31	3720.35	90.80
RW-1R	10/17/22	3790.43	71.46	71.03	0.43	3719.32	90.80
RW-1R	10/23/22	3790.43	74.74	69.02	5.72	3720.32	90.80
RW-1R	10/23/22	3790.43	70.25	70.01	0.24	3720.37	90.80
RW-1R	11/7/22	3790.43	74.11	69.18	4.93	3720.31	90.80
RW-1R	11/21/22	3790.43	74.64	69.05	5.59	3720.32	90.80
RW-1R	11/21/22	3790.43	70.17	70.14	0.03	3720.28	90.80
RW-1R	12/2/22	3790.43	74.54	69.14	5.40	3720.26	90.80
RW-1R	12/2/22	3790.43	71.13	71.11	0.02	3719.32	90.80
RW-1R	12/5/22	3790.43	73.06	69.49	3.57	3720.26	90.80
RW-1R	12/5/22	3790.43	70.81	70.79	0.02	3719.64	90.80
RW-1R	12/12/22	3790.43	73.91	69.31	4.60	3720.25	90.80
RW-1R	12/12/22	3790.43	70.76	70.71	0.05	3719.71	90.80
RW-2	1/18/17	3788.98	--	--	--	--	--
RW-2	2/28/17	3788.98	66.13	65.65	0.48	3723.24	--
RW-2	4/3/17	3788.98	--	--	--	--	--
RW-2	5/10/17	3788.98	--	--	--	--	--
RW-2	5/30/17	3788.98	LNAPL	65.77	0.85	--	66.62
RW-2	6/6/17	3788.98	--	--	--	--	--
RW-2	7/6/17	3791.66	--	--	--	--	--
RW-2	7/14/17	3791.66	--	--	--	--	--
RW-2	7/26/17	3791.66	--	--	--	--	--
RW-2	8/10/17	3791.66	--	--	--	--	--
RW-2	8/30/17	3791.66	Dry	--	--	--	66.15
RW-2	10/18/17	3791.66	--	--	--	--	--
RW-2	11/30/17	3791.66	Dry	--	--	--	66.23
RW-2	2/27/18	3791.66	Dry	--	--	--	66.33
RW-2	5/29/18	3791.66	Dry	--	--	--	--
RW-2	8/29/18	3791.66	Dry	--	--	--	--
RW-2	11/27/18	3791.66	Dry	--	--	--	66.42
RW-2	2/25/19	3791.66	Dry	--	--	--	--
RW-2	5/20/19	3791.66	Dry	--	--	--	--
RW-2	7/23/19	3791.66	Dry	--	--	--	--
RW-2	10/21/19	3791.66	Dry	--	--	--	66.35
RW-2	2/19/20	P&A	--	--	--	--	--
RW-3	1/18/17	3788.95	--	--	--	--	--
RW-3	2/28/17	3788.95	67.87	65.27	2.60	3723.19	--
RW-3	4/3/17	3788.95	--	--	--	--	--
RW-3	5/10/17	3788.95	--	--	--	--	--
RW-3	5/30/17	3788.95	67.58	65.33	2.25	3723.19	--
RW-3	6/6/17	3788.95	--	--	--	--	--
RW-3	6/14/17	3788.95	--	--	--	--	--
RW-3	7/6/17	3791.34	--	--	--	--	--
RW-3	7/14/17	3791.34	--	--	--	--	--
RW-3	7/26/17	3791.34	--	--	--	--	--
RW-3	8/1/17	3791.34	--	--	--	--	--
RW-3	8/10/17	3791.34	--	--	--	--	--
RW-3	8/30/17	3791.34	67.50	65.75	1.75	3725.26	--
RW-3	9/12/17	3791.34	--	--	--	--	--
RW-3	10/12/17	3791.34	--	--	--	--	--

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-3	10/18/17	3791.34	--	--	--	--	--
RW-3	10/24/17	3791.34	--	--	--	--	--
RW-3	11/14/17	3791.34	--	--	--	--	--
RW-3	11/22/17	3791.34	--	--	--	--	--
RW-3	11/22/17	3791.34	--	--	--	--	--
RW-3	11/30/17	3791.34	67.64	66.39	1.25	3724.71	--
RW-3	12/5/17	3791.34	--	--	--	--	--
RW-3	12/12/17	3791.34	--	--	--	--	--
RW-3	12/20/17	3791.34	--	--	--	--	--
RW-3	2/27/18	3791.34	67.72	66.80	0.92	3724.37	68.13
RW-3	5/29/18	3791.34	LNAPL	66.39	1.69	--	68.08
RW-3	8/29/18	3791.34	LNAPL	66.35	1.87	--	68.22
RW-3	10/3/18	3791.34	--	--	--	--	--
RW-3	11/27/18	3791.34	67.73	66.28	1.45	3724.78	--
RW-3	2/25/19	3791.34	67.66	66.48	1.18	3724.64	--
RW-3	4/30/19	3791.34	67.58	66.57	1.01	3724.58	--
RW-3	5/20/19	3791.34	67.80	66.65	1.15	3724.47	--
RW-3	6/11/19	3791.34	--	--	--	--	--
RW-3	6/18/19	3791.34	--	--	--	--	--
RW-3	6/25/19	3791.34	--	--	--	--	--
RW-3	7/2/19	3791.34	--	--	--	--	--
RW-3	7/8/19	3791.34	--	--	--	--	--
RW-3	7/23/19	3791.34	LNAPL	63.77	4.13	--	--
RW-3	8/6/19	3791.34	--	--	--	--	--
RW-3	8/20/19	3791.34	--	--	--	--	--
RW-3	8/28/19	3791.34	--	--	--	--	--
RW-3	10/21/19	3791.34	LNAPL	66.96	1.17	--	68.15
RW-3	12/11/19	3791.34	--	--	--	--	--
RW-3	12/18/19	3791.34	--	--	--	--	--
RW-3	12/24/19	3791.34	--	--	--	--	--
RW-3	1/8/20	3791.34	--	--	--	--	--
RW-3	2/11/20	3791.34	LNAPL	67.22	0.79	--	68.01
RW-3	4/28/20	3791.34	LNAPL	67.35	0.61	--	67.96
RW-3	5/12/20	3791.34	LNAPL	67.34	0.67	--	68.01
RW-3	6/19/20	3791.34	LNAPL	67.42	0.59	--	68.01
RW-3	7/29/20	3791.34	67.61	67.05	0.56	3724.18	--
RW-3	8/27/20	3791.34	LNAPL	67.55	0.40	--	67.95
RW-3	9/14/20	3791.34	LNAPL	67.60	0.30	--	67.90
RW-3	10/29/20	3791.34	LNAPL	67.61	0.34	--	67.95
RW-3	12/7/20	3791.34	LNAPL	67.61	0.34	--	67.95
RW-3	1/25/21	3791.34	LNAPL	67.70	0.18	--	67.88
RW-3	2/8/21	3791.34	LNAPL	67.74	0.16	--	67.90
RW-3	3/22/21	3791.34	LNAPL	67.82	0.09	--	67.91
RW-3	5/3/21	3791.34	LNAPL	67.82	0.10	--	67.92
RW-3	5/10/21	3791.34	Dry	--	--	--	67.88
RW-3	7/28/21	3791.34	Dry	--	--	--	67.89
RW-3	8/10/21	3791.34	Dry	--	--	--	67.79
RW-3	9/29/21	3791.34	Dry	--	--	--	67.90
RW-3	10/27/21	3791.34	Dry	--	--	--	67.90
RW-3	11/10/21	3791.34	Dry	--	--	--	67.90
RW-3	12/21/21	3791.34	Dry	--	--	--	67.90
RW-3	1/24/22	3791.34	Dry	--	--	--	67.90
RW-3	2/10/22	3791.34	Dry	--	--	--	67.90
RW-3	3/17/22	3791.34	Dry	--	--	--	67.90
RW-3	4/13/22	3791.34	Dry	--	--	--	67.90
RW-3	5/4/22	3791.34	Dry	--	--	--	67.90
RW-3	6/14/22	3791.34	Dry	--	--	--	67.90
RW-3	7/26/22	3791.34	Dry	--	--	--	67.90
RW-3	8/23/22	3791.34	Dry	--	--	--	67.90
RW-3	11/7/22	3791.34	Dry	--	--	--	67.90
RW-4	1/5/17	3788.15	--	--	--	--	--
RW-4	1/18/17	3788.15	--	--	--	--	--
RW-4	2/15/17	3788.15	--	--	--	--	--
RW-4	2/28/17	3788.15	LNAPL	65.13	3.60	--	68.73
RW-4	4/3/17	3788.15	--	--	--	--	--
RW-4	5/31/17	3788.15	LNAPL	65.43	3.44	--	68.87
RW-4	7/6/17	3790.76	--	--	--	--	--
RW-4	7/26/17	3790.76	--	--	--	--	--
RW-4	8/1/17	3790.76	--	--	--	--	--
RW-4	8/10/17	3790.76	--	--	--	--	--
RW-4	8/30/17	3790.76	LNAPL	65.54	3.16	--	68.7
RW-4	9/6/17	3790.76	--	--	--	--	--
RW-4	9/12/17	3790.76	--	--	--	--	--
RW-4	9/20/17	3790.76	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-4	10/12/17	3790.76	--	--	--	--	--
RW-4	10/18/17	3790.76	--	--	--	--	--
RW-4	10/24/17	3790.76	--	--	--	--	--
RW-4	11/14/17	3790.76	--	--	--	--	--
RW-4	11/22/17	3790.76	--	--	--	--	--
RW-4	11/30/17	3790.76	LNAPL	65.90	2.88	--	68.78
RW-4	12/5/17	3790.76	--	--	--	--	--
RW-4	12/12/17	3790.76	--	--	--	--	--
RW-4	12/20/17	3790.76	--	--	--	--	--
RW-4	2/27/18	3790.76	68.70	66.50	2.20	3723.84	68.94
RW-4	5/29/18	3790.76	67.83	66.27	1.56	3724.19	--
RW-4	8/29/18	3790.76	LNAPL	66.19	2.75	--	--
RW-4	11/27/18	3790.76	LNAPL	66.25	2.67	--	68.92
RW-4	2/25/19	3790.76	69.02	66.44	2.58	--	69.02
RW-4	4/30/19	3790.76	68.98	66.53	2.45	--	68.98
RW-4	5/20/19	3790.76	LNAPL	66.70	2.28	--	--
RW-4	6/11/19	3790.76	--	--	--	--	--
RW-4	6/25/19	3790.76	--	--	--	--	--
RW-4	7/23/19	3790.76	LNAPL	66.80	2.10	--	--
RW-4	8/13/19	3790.76	--	--	--	--	--
RW-4	8/20/19	3790.76	--	--	--	--	--
RW-4	8/28/19	3790.76	--	--	--	--	--
RW-4	10/21/19	3790.76	LNAPL	66.93	2.01	--	68.96
RW-4	12/11/19	3790.76	--	--	--	--	--
RW-4	12/24/19	3790.76	--	--	--	--	--
RW-4	2/11/20	3790.76	LNAPL	67.01	3.52	--	70.53
RW-4	4/8/20	3790.76	68.80	67.12	1.68	3723.32	68.81
RW-4	4/28/20	3790.76	LNAPL	67.14	1.66	--	68.80
RW-4	5/12/20	3790.76	LNAPL	67.15	3.38	--	70.53
RW-4	6/19/20	3790.76	LNAPL	67.24	3.29	--	70.53
RW-4	7/29/20	3790.76	68.96	67.52	1.44	3722.97	--
RW-4	8/27/20	3790.76	68.84	67.38	1.46	3723.10	--
RW-4	9/14/20	3790.76	LNAPL	67.46	1.26	--	68.72
RW-4	10/29/20	3790.76	LNAPL	67.55	1.27	--	68.82
RW-4	12/7/20	3790.76	LNAPL	67.62	2.88	--	70.50
RW-4	1/25/21	3790.76	LNAPL	67.74	0.99	--	68.73
RW-4	2/8/21	3790.76	LNAPL	67.77	0.96	--	68.73
RW-4	3/22/21	3790.76	LNAPL	68.05	0.87	--	68.92
RW-4	5/3/21	3790.76	LNAPL	67.93	0.79	--	68.72
RW-4	5/10/21	3790.76	LNAPL	67.96	0.77	--	68.73
RW-4	7/28/21	3790.76	LNAPL	68.17	0.58	--	68.75
RW-4	8/10/21	3790.76	LNAPL	68.34	0.60	--	68.94
RW-4	9/29/21	3790.76	LNAPL	68.43	0.30	--	68.73
RW-4	10/27/21	3790.76	LNAPL	68.48	0.25	--	68.73
RW-4	11/10/21	3790.76	LNAPL	68.48	0.25	--	68.73
RW-4	12/21/21	3790.76	LNAPL	68.56	0.17	--	68.73
RW-4	1/24/22	3790.76	LNAPL	68.61	0.12	--	68.73
RW-4	2/10/22	3790.76	LNAPL	68.72	0.20	--	68.92
RW-4	3/10/22	3790.76	Dry	--	--	--	68.92
RW-4	3/17/22	3790.76	LNAPL	68.80	0.12	--	68.92
RW-4	4/13/22	3790.76	LNAPL	68.67	0.25	--	68.92
RW-4	5/4/22	3790.76	LNAPL	68.89	0.03	--	68.92
RW-4	6/14/22	3790.76	Dry	--	--	--	68.92
RW-4	7/26/22	3790.76	Dry	--	--	--	68.92
RW-4	8/23/22	3790.76	Dry	--	--	--	68.92
RW-4	11/7/22	3790.76	Dry	--	--	--	68.92
RW-5	2/28/17	3788.83	LNAPL	65.13	2.12	--	67.25
RW-5	4/3/17	3788.83	--	--	--	--	--
RW-5	5/30/17	3788.83	LNAPL	66.36	2.12	--	68.48
RW-5	6/6/17	3788.83	--	--	--	--	--
RW-5	7/6/17	3791.45	--	--	--	--	--
RW-5	8/1/17	3791.45	--	--	--	--	--
RW-5	8/30/17	3791.45	LNAPL	65.30	1.74	--	67.04
RW-5	9/6/17	3791.45	--	--	--	--	--
RW-5	9/12/17	3791.45	--	--	--	--	--
RW-5	9/20/17	3791.45	--	--	--	--	--
RW-5	10/12/17	3791.45	--	--	--	--	--
RW-5	10/18/17	3791.45	--	--	--	--	--
RW-5	10/24/17	3791.45	--	--	--	--	--
RW-5	11/14/17	3791.45	--	--	--	--	--
RW-5	11/22/17	3791.45	--	--	--	--	--
RW-5	11/30/17	3791.45	LNAPL	65.45	1.68	--	67.13
RW-5	12/5/17	3791.45	--	--	--	--	--
RW-5	12/20/17	3791.45	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-5	2/27/18	3791.45	67.30	65.80	1.50	3725.37	67.28
RW-5	5/29/18	3791.45	LNAPL	65.81	1.36	--	67.17
RW-5	8/29/18	3791.45	LNAPL	65.96	1.59	--	67.55
RW-5	11/27/18	3791.45	LNAPL	66.17	0.99	--	67.16
RW-5	1/29/19	3791.45	--	--	--	--	--
RW-5	2/25/19	3791.45	LNAPL	66.33	0.83	--	--
RW-5	4/30/19	3791.45	LNAPL	66.46	0.70	--	67.16
RW-5	5/20/19	3791.45	LNAPL	66.50	0.66	--	--
RW-5	6/11/19	3791.45	--	--	--	--	--
RW-5	7/2/19	3791.45	--	--	--	--	--
RW-5	7/8/19	3791.45	--	--	--	--	--
RW-5	7/23/19	3791.45	LNAPL	66.65	0.51	LNAPL at TD	--
RW-5	8/20/19	3791.45	--	--	--	--	--
RW-5	8/28/19	3791.45	--	--	--	--	--
RW-5	10/21/19	3791.45	LNAPL	66.86	0.42	LNAPL at TD	67.29
RW-5	12/18/19	3791.45	--	--	--	--	--
RW-5	12/24/19	3791.45	--	--	--	--	--
RW-5	1/8/20	3791.45	Dry	--	--	--	--
RW-5	1/15/20	3791.45	--	--	--	--	--
RW-5	2/11/20	3791.45	LNAPL	67.11	0.02	LNAPL at TD	67.13
RW-5	4/28/20	3791.45	Dry	--	--	--	67.12
RW-5	5/12/20	3791.45	Dry	--	--	--	67.13
RW-5	6/19/20	3791.45	Dry	--	--	--	--
RW-5	7/29/20	3791.45	Dry	--	--	--	--
RW-5	8/27/20	3791.45	Dry	--	--	--	67.16
RW-5	9/14/20	3791.45	Dry	--	--	--	67.10
RW-5	10/29/20	3791.45	Dry	--	--	--	67.19
RW-5	12/7/20	3791.45	Dry	--	--	--	67.20
RW-5	1/25/21	3791.45	Dry	--	--	--	67.10
RW-5	2/8/21	3791.45	Dry	--	--	--	67.11
RW-5	3/22/21	3791.45	Dry	--	--	--	67.15
RW-5	5/3/21	3791.45	Dry	--	--	--	67.15
RW-5	5/10/21	3791.45	LNAPL	68.34	0.31	--	68.65
RW-5	7/28/21	3791.45	Dry	--	--	--	67.13
RW-5	8/10/21	3791.45	Dry	--	--	--	67.11
RW-5	9/29/21	3791.45	Dry	--	--	--	67.11
RW-5	10/27/21	3791.45	Dry	--	--	--	67.11
RW-5	11/10/21	3791.45	Dry	--	--	--	67.11
RW-5	12/21/21	3791.45	Dry	--	--	--	67.11
RW-5	1/24/22	3791.45	Dry	--	--	--	67.11
RW-5	2/10/22	3791.45	Dry	--	--	--	67.16
RW-5	3/17/22	3791.45	Dry	--	--	--	67.16
RW-5	4/13/22	3791.45	Dry	--	--	--	67.16
RW-5	5/4/22	3791.45	Dry	--	--	--	67.16
RW-5	6/14/22	3791.45	Dry	--	--	--	67.16
RW-5	7/26/22	3791.45	Dry	--	--	--	67.16
RW-5	8/23/22	3791.45	Dry	--	--	--	67.16
RW-5	11/7/22	3791.45	Dry	--	--	--	67.16
RW-6	2/28/17	3788.93	67.19	65.14	2.05	3723.40	--
RW-6	4/3/17	3788.93	--	--	--	--	--
RW-6	5/10/17	3788.93	--	--	--	--	--
RW-6	5/30/17	3788.93	67.22	65.30	1.92	3723.27	--
RW-6	6/6/17	3788.93	--	--	--	--	--
RW-6	7/6/17	3791.39	--	--	--	--	--
RW-6	7/14/17	3791.39	--	--	--	--	--
RW-6	7/26/17	3791.39	--	--	--	--	--
RW-6	8/1/17	3791.39	--	--	--	--	--
RW-6	8/10/17	3791.39	--	--	--	--	--
RW-6	8/30/17	3791.39	LNAPL	65.48	1.89	--	67.37
RW-6	9/6/17	3791.39	--	--	--	--	--
RW-6	9/12/17	3791.39	--	--	--	--	--
RW-6	10/12/17	3791.39	--	--	--	--	--
RW-6	10/18/17	3791.39	--	--	--	--	--
RW-6	10/24/17	3791.39	--	--	--	--	--
RW-6	11/14/17	3791.39	--	--	--	--	--
RW-6	11/22/17	3791.39	--	--	--	--	--
RW-6	11/30/17	3791.39	LNAPL	65.65	1.80	--	67.45
RW-6	12/5/17	3791.39	--	--	--	--	--
RW-6	12/12/17	3791.39	--	--	--	--	--
RW-6	12/20/17	3791.39	--	--	--	--	--
RW-6	2/27/18	3791.39	67.40	65.90	1.50	3725.21	68.54
RW-6	5/29/18	3791.39	67.03	65.07	1.96	3725.95	--
RW-6	8/29/18	3791.39	67.48	65.07	1.35	3725.00	--
RW-6	10/3/18	3791.39	--	--	--	--	--

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-6	11/27/18	3791.39	67.47	66.30	1.17	3724.87	--
RW-6	1/29/19	3791.39	--	--	--	--	--
RW-6	2/25/19	3791.39	67.54	66.48	1.06	3724.71	67.45
RW-6	4/30/19	3791.39	--	--	--	--	--
RW-6	5/20/19	3791.39	LNAPL	66.70	0.75	--	67.45
RW-6	6/11/19	3791.39	--	--	--	--	--
RW-6	6/25/19	3791.39	--	--	--	--	--
RW-6	7/8/19	3791.39	--	--	--	--	--
RW-6	7/23/19	3791.39	LNAPL	66.84	0.61	--	--
RW-6	8/21/19	3791.39	--	--	--	--	--
RW-6	8/28/19	3791.39	--	--	--	--	--
RW-6	10/21/19	3791.39	LNAPL	66.98	1.56	--	68.56
RW-6	12/11/19	3791.39	--	--	--	--	--
RW-6	12/18/19	3791.39	--	--	--	--	--
RW-6	12/24/19	3791.39	--	--	--	--	--
RW-6	1/8/20	3791.39	Dry	--	--	--	--
RW-6	2/11/20	3791.39	LNAPL	67.22	0.31	--	67.53
RW-6	4/8/20	3791.39	67.44	67.34	0.10	3724.03	67.58
RW-6	4/28/20	3791.39	67.45	67.35	0.10	3724.02	--
RW-6	5/12/20	3791.39	LNAPL	67.37	0.16	--	67.53
RW-6	6/19/20	3791.39	LNAPL	67.46	0.07	--	67.53
RW-6	7/29/20	3791.39	67.60	--	--	3723.79	--
RW-6	8/27/20	3791.39	Dry	--	--	--	67.50
RW-6	9/14/20	3791.39	Dry	--	--	--	67.45
RW-6	10/29/20	3791.39	Dry	--	--	--	67.56
RW-6	12/7/20	3791.39	Dry	--	--	--	67.62
RW-6	1/25/21	3791.39	Dry	--	--	--	67.45
RW-6	2/8/21	3791.39	Dry	--	--	--	67.47
RW-6	3/22/21	3791.39	Dry	--	--	--	67.49
RW-6	5/3/21	3791.39	Dry	--	--	--	67.52
RW-6	5/10/21	3791.39	Dry	--	--	--	67.48
RW-6	7/28/21	3791.39	Dry	--	--	--	67.46
RW-6	8/10/21	3791.39	Dry	--	--	--	67.50
RW-6	9/29/21	3791.39	Dry	--	--	--	67.47
RW-6	10/27/21	3791.39	Dry	--	--	--	67.47
RW-6	11/10/21	3791.39	Dry	--	--	--	67.47
RW-6	12/21/21	3791.39	Dry	--	--	--	67.47
RW-6	1/24/22	3791.39	Dry	--	--	--	67.47
RW-6	2/10/22	3791.39	Dry	--	--	--	67.50
RW-6	3/17/22	3791.39	Dry	--	--	--	67.50
RW-6	4/13/22	3791.39	Dry	--	--	--	67.50
RW-6	5/4/22	3791.39	Dry	--	--	--	67.50
RW-6	6/14/22	3791.39	Dry	--	--	--	67.50
RW-6	7/26/22	3791.39	Dry	--	--	--	67.50
RW-6	8/23/22	3791.39	Dry	--	--	--	67.50
RW-6	11/7/22	3791.39	Dry	--	--	--	67.50
RW-7	2/28/17	3789.07	65.59	65.36	0.23	3723.67	--
RW-7	5/10/17	3789.07	--	--	--	--	--
RW-7	5/17/17	3789.07	--	--	--	--	--
RW-7	5/30/17	3789.07	LNAPL	65.50	3.39	--	68.89
RW-7	6/14/17	3789.07	--	--	--	--	--
RW-7	7/14/17	3791.51	--	--	--	--	--
RW-7	7/26/17	3791.51	--	--	--	--	--
RW-7	8/1/17	3791.51	--	--	--	--	--
RW-7	8/10/17	3791.51	--	--	--	--	--
RW-7	8/30/17	3791.51	67.87	66.64	1.23	3724.64	--
RW-7	9/6/17	3791.51	--	--	--	--	--
RW-7	9/12/17	3791.51	--	--	--	--	--
RW-7	10/12/17	3791.51	--	--	--	--	--
RW-7	10/18/17	3791.51	--	--	--	--	--
RW-7	10/24/17	3791.51	--	--	--	--	--
RW-7	11/14/17	3791.51	--	--	--	--	--
RW-7	11/22/17	3791.51	--	--	--	--	--
RW-7	11/30/17	3791.51	67.60	66.87	0.73	3724.50	--
RW-7	12/5/17	3791.51	--	--	--	--	--
RW-7	12/12/17	3791.51	--	--	--	--	--
RW-7	12/20/17	3791.51	--	--	--	--	--
RW-7	2/27/18	3791.51	67.68	67.04	0.64	3724.35	69.16
RW-7	5/29/18	3791.51	68.02	67.23	0.79	3724.13	--
RW-7	8/29/18	3791.51	68.15	67.36	0.79	3724.00	--
RW-7	10/3/18	3791.51	--	--	--	--	--
RW-7	11/27/18	3791.51	68.45	67.45	1.00	3723.87	--
RW-7	1/29/19	3791.51	--	--	--	--	--
RW-7	2/25/19	3791.51	68.80	67.69	1.11	3723.61	--

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Plains All American Pipeline, L.P.
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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	4/30/19	3791.51	69.32	66.50	2.82	3724.47	69.32
RW-7	5/20/19	3791.51	LNAPL	67.90	1.42	--	--
RW-7	6/11/19	3791.51	--	--	--	--	--
RW-7	6/25/19	3791.51	--	--	--	--	--
RW-7	7/8/19	3791.51	--	--	--	--	--
RW-7	7/23/19	3791.51	68.70	68.13	0.57	3723.27	--
RW-7	8/20/19	3791.51	--	--	--	--	--
RW-7	8/28/19	3791.51	--	--	--	--	--
RW-7	10/21/19	3791.51	69.03	68.24	0.79	3723.12	--
RW-7	12/18/19	3791.51	--	--	--	--	--
RW-7	2/11/20	3791.51	LNAPL	68.30	1.18	--	69.48
RW-7	4/28/20	3791.51	LNAPL	67.94	1.51	--	69.45
RW-7	5/12/20	3791.51	LNAPL	67.90	1.58	--	69.48
RW-7	6/19/20	3791.51	LNAPL	67.83	1.65	--	69.48
RW-7	7/29/20	3791.51	LNAPL	67.86	1.74	--	69.60
RW-7	8/27/20	3791.51	LNAPL	67.87	1.55	--	69.42
RW-7	9/14/20	3791.51	LNAPL	67.95	1.42	--	69.37
RW-7	10/29/20	3791.51	LNAPL	68.03	1.47	--	69.5
RW-7	12/7/20	3791.51	LNAPL	68.03	1.47	--	69.5
RW-7	1/25/21	3791.51	LNAPL	68.20	1.16	--	69.36
RW-7	2/8/21	3791.51	LNAPL	68.22	1.15	--	69.37
RW-7	3/22/21	3791.51	LNAPL	68.33	1.06	--	69.39
RW-7	5/3/21	3791.51	LNAPL	68.40	0.98	--	69.38
RW-7	5/10/21	3791.51	LNAPL	68.41	0.96	--	69.37
RW-7	7/28/21	3791.51	LNAPL	68.58	0.80	--	69.38
RW-7	8/10/21	3791.51	LNAPL	68.62	0.77	--	69.39
RW-7	9/29/21	3791.51	LNAPL	68.72	0.65	--	69.37
RW-7	10/27/21	3791.51	LNAPL	68.76	0.61	--	69.37
RW-7	11/10/21	3791.51	LNAPL	68.78	0.59	--	69.37
RW-7	12/21/21	3791.51	LNAPL	68.83	0.54	--	69.37
RW-7	1/24/22	3791.51	LNAPL	68.90	0.47	--	69.37
RW-7	2/10/22	3791.51	LNAPL	68.99	0.32	--	69.31
RW-7	3/10/22	3791.51	LNAPL	69.09	0.22	--	69.31
RW-7	3/10/22	3791.51	Dry	--	--	--	69.31
RW-7	3/17/22	3791.51	LNAPL	69.14	0.17	--	69.31
RW-7	4/13/22	3791.51	LNAPL	68.96	0.35	--	69.31
RW-7	5/4/22	3791.51	LNAPL	69.17	0.14	--	69.31
RW-7	6/14/22	3791.51	LNAPL	69.25	0.06	--	69.31
RW-7	7/26/22	3791.51	LNAPL	69.33	0.05	--	69.38
RW-7	8/23/22	3791.51	Dry	--	--	--	--
RW-7	11/7/22	3791.51	Dry	--	--	--	69.52
RW-8	1/18/17	3788.84	--	--	--	--	--
RW-8	2/15/17	3788.84	--	--	--	--	--
RW-8	2/28/17	3788.84	LNAPL	65.40	2.48	--	67.88
RW-8	5/10/17	3788.84	--	--	--	--	--
RW-8	5/30/17	3788.84	LNAPL	65.55	2.55	--	68.1
RW-8	6/6/17	3788.84	--	--	--	--	--
RW-8	6/14/17	3788.84	--	--	--	--	--
RW-8	7/6/17	3790.90	--	--	--	--	--
RW-8	8/1/17	3790.90	--	--	--	--	--
RW-8	8/10/17	3790.90	--	--	--	--	--
RW-8	8/30/17	3790.90	LNAPL	65.31	2.16	--	67.47
RW-8	9/6/17	3790.90	--	--	--	--	--
RW-8	9/12/17	3790.90	--	--	--	--	--
RW-8	10/12/17	3790.90	--	--	--	--	--
RW-8	10/18/17	3790.90	--	--	--	--	--
RW-8	10/24/17	3790.90	--	--	--	--	--
RW-8	11/30/17	3790.90	LNAPL	65.45	2.39	--	67.84
RW-8	12/5/17	3790.90	--	--	--	--	--
RW-8	12/12/17	3790.90	--	--	--	--	--
RW-8	2/27/18	3790.90	LNAPL	65.60	2.43	--	68.03
RW-8	5/29/18	3790.90	LNAPL	65.75	2.47	--	68.22
RW-8	8/29/18	3790.90	LNAPL	65.89	1.63	--	67.52
RW-8	11/27/18	3790.90		66.10	1.32	--	67.42
RW-8	2/25/19	3790.90	LNAPL	66.28	1.14	--	--
RW-8	5/20/19	3790.90	Dry	--	--	--	--
RW-8	6/25/19	3790.90		--	--	--	--
RW-8	7/8/19	3790.90	--	--	--	--	--
RW-8	7/23/19	3790.90	LNAPL	66.60	0.82	--	--
RW-8	8/20/19	3790.90	--	--	--	--	--
RW-8	8/28/19	3790.90	--	--	--	--	--
RW-8	10/21/19	3790.90	LNAPL	66.75	1.28	--	68
RW-8	2/11/20	3790.90	LNAPL	66.93	0.93	--	67.86
RW-8	3/11/20	3790.90	LNAPL	67.00	0.86	--	67.86

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-8	3/23/20	3790.90	LNAPL	67.00	0.86	--	67.86
RW-8	4/28/20	3790.90	LNAPL	67.06	0.76	--	67.82
RW-8	5/12/20	3790.90	LNAPL	67.09	0.77	--	67.86
RW-8	6/19/20	3790.90	LNAPL	67.17	0.69	--	67.86
RW-8	7/29/20	3790.90	LNAPL	67.32	0.38	--	67.70
RW-8	8/27/20	3790.90	LNAPL	67.29	0.34	--	67.63
RW-8	9/14/20	3790.90	LNAPL	67.37	0.10	--	67.47
RW-8	10/29/20	3790.90	LNAPL	67.45	0.13	--	67.58
RW-8	12/7/20	3790.90	LNAPL	67.52	0.14	--	67.66
RW-8	1/25/21	3790.90	Dry	--	--	--	67.45
RW-8	2/8/21	3790.90	Dry	--	--	--	67.47
RW-8	3/22/21	3790.90	Dry	--	--	--	67.43
RW-8	5/3/21	3790.90	Dry	--	--	--	67.48
RW-8	5/10/21	3790.90	Dry	--	--	--	67.46
RW-8	7/28/21	3790.90	Dry	--	--	--	67.46
RW-8	8/10/21	3790.90	Dry	--	--	--	67.51
RW-8	9/29/21	3790.90	Dry	--	--	--	67.47
RW-8	10/27/21	3790.90	Dry	--	--	--	67.47
RW-8	11/10/21	3790.90	Dry	--	--	--	67.47
RW-8	12/21/21	3790.90	Dry	--	--	--	67.47
RW-8	1/24/22	3790.90	Dry	--	--	--	67.47
RW-8	2/10/22	3790.90	Dry	--	--	--	67.49
RW-8	3/17/22	3790.90	Dry	--	--	--	67.49
RW-8	4/13/22	3790.90	Dry	--	--	--	67.49
RW-8	5/4/22	3790.90	Dry	--	--	--	67.49
RW-8	6/14/22	3790.90	Dry	--	--	--	67.49
RW-8	7/26/22	3790.90	Dry	--	--	--	67.49
RW-8	8/23/22	3790.90	Dry	--	--	--	67.49
RW-8	11/7/22	3790.90	Dry	--	--	--	67.49
RW-9	1/5/17	3788.92	--	--	--	--	--
RW-9	1/18/17	3788.92	--	--	--	--	--
RW-9	2/15/17	3788.92	--	--	--	--	--
RW-9	2/28/17	3788.92	66.89	66.32	0.57	3722.49	--
RW-9	4/3/17	3788.92	--	--	--	--	--
RW-9	5/17/17	3788.92	--	--	--	--	--
RW-9	5/31/17	3788.92	66.81	66.55	0.26	3722.32	--
RW-9	6/14/17	3788.92	--	--	--	--	--
RW-9	7/6/17	3791.33	--	--	--	--	--
RW-9	8/1/17	3791.33	--	--	--	--	--
RW-9	8/10/17	3791.33	--	--	--	--	--
RW-9	8/30/17	3791.33	66.95	66.75	0.20	3724.54	--
RW-9	9/6/17	3791.33	--	--	--	--	--
RW-9	9/12/17	3791.33	--	--	--	--	--
RW-9	9/20/17	3791.33	--	--	--	--	--
RW-9	10/12/17	3791.33	--	--	--	--	--
RW-9	10/18/17	3791.33	--	--	--	--	--
RW-9	10/24/17	3791.33	--	--	--	--	--
RW-9	11/30/17	3791.33	67.07	66.91	0.16	3724.39	--
RW-9	12/5/17	3791.33	--	--	--	--	--
RW-9	12/12/17	3791.33	--	--	--	--	--
RW-9	12/20/17	3791.33	--	--	--	--	--
RW-9	2/27/18	3791.33	67.18	67.05	0.13	3724.26	71.18
RW-9	5/29/18	3791.33	67.40	67.26	0.14	3724.04	--
RW-9	8/29/18	3791.33	67.59	67.39	0.20	3723.90	--
RW-9	11/27/18	3791.33	67.79	67.57	0.22	3723.72	--
RW-9	2/25/19	3791.33	68.04	67.76	0.28	3723.52	--
RW-9	5/20/19	3791.33	68.18	68.01	0.17	3723.29	--
RW-9	7/23/19	3791.33	68.33	68.10	0.23	3723.19	--
RW-9	8/28/19	3791.33	--	--	--	--	--
RW-9	9/10/19	3791.33	--	--	--	--	--
RW-9	10/2/19	3791.33	--	--	--	--	--
RW-9	10/21/19	3791.33	68.37	68.23	0.14	3723.07	--
RW-9	11/20/19	3791.33	--	--	--	--	--
RW-9	1/15/20	3791.33	--	--	--	--	--
RW-9	2/11/20	3791.33	68.69	68.49	0.20	3722.80	73.29
RW-9	4/28/20	3791.33	68.81	68.60	0.21	3722.69	--
RW-9	5/12/20	3791.33	68.85	68.65	0.20	3722.64	--
RW-9	6/19/20	3791.33	68.93	68.71	0.22	3722.58	--
RW-9	7/29/20	3791.33	69.05	68.81	0.24	3722.47	--
RW-9	8/27/20	3791.33	69.07	68.85	0.22	3722.44	--
RW-9	9/14/20	3791.33	69.15	68.94	0.21	3722.35	--
RW-9	10/29/20	3791.33	69.30	69.03	0.27	3722.25	--
RW-9	12/7/20	3791.33	69.32	69.06	0.26	3722.22	--
RW-9	1/25/21	3791.33	69.42	69.20	0.22	3722.09	--

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	2/8/21	3791.33	69.45	69.25	0.20	3722.04	71.06
RW-9	3/22/21	3791.33	69.56	69.34	0.22	3721.95	--
RW-9	5/3/21	3791.33	69.63	69.41	0.22	3721.88	--
RW-9	5/10/21	3791.33	69.64	69.45	0.19	3721.84	--
RW-9	7/28/21	3791.33	69.82	69.62	0.20	3721.67	--
RW-9	8/10/21	3791.33	69.89	69.68	0.21	3721.61	--
RW-9	9/29/21	3791.33	70.00	69.78	0.22	3721.51	71.06
RW-9	10/27/21	3791.33	70.01	69.76	0.25	3721.52	71.06
RW-9	11/10/21	3791.33	70.03	69.76	0.27	3721.52	71.06
RW-9	12/21/21	3791.33	69.85	69.45	0.40	3721.80	71.06
RW-9	1/24/22	3791.33	69.93	69.60	0.33	3721.67	71.06
RW-9	2/10/22	3791.33	70.21	70.01	0.20	3721.28	--
RW-9	3/10/22	3791.33	70.32	70.12	0.20	3721.17	--
RW-9	3/10/22	3791.33	Dry	--	--	--	--
RW-9	3/17/22	3791.33	70.17	70.13	0.04	3721.19	71.09
RW-9	4/13/22	3791.33	69.99	69.46	0.53	3721.77	71.09
RW-9	5/4/22	3791.33	70.26	70.22	0.04	3721.10	71.09
RW-9	6/14/22	3791.33	70.36	70.31	0.05	3721.01	71.09
RW-9	7/26/22	3791.33	70.49	70.42	0.07	3720.90	71.09
RW-9	8/23/22	3791.33	70.51	70.46	0.05	3720.86	71.09
RW-9	11/7/22	3791.33	70.76	70.69	0.07	3720.63	71.09
RW-10	1/18/17	3788.72	--	--	--	--	--
RW-10	2/28/17	3788.72	LNAPL	65.45	3.19	--	68.64
RW-10	4/3/17	3788.72	--	--	--	--	--
RW-10	5/10/17	3788.72	--	--	--	--	--
RW-10	5/31/17	3788.72	LNAPL	65.65	2.87	--	68.52
RW-10	6/6/17	3788.72	--	--	--	--	--
RW-10	6/14/17	3788.72	--	--	--	--	--
RW-10	7/6/17	3791.16	--	--	--	--	--
RW-10	7/14/17	3791.16	--	--	--	--	--
RW-10	7/26/17	3791.16	--	--	--	--	--
RW-10	8/1/17	3791.16	--	--	--	--	--
RW-10	8/10/17	3791.16	--	--	--	--	--
RW-10	8/30/17	3791.16	LNAPL	65.89	2.91	--	68.8
RW-10	9/6/17	3791.16	--	--	--	--	--
RW-10	9/12/17	3791.16	--	--	--	--	--
RW-10	9/20/17	3791.16	--	--	--	--	--
RW-10	10/12/17	3791.16	--	--	--	--	--
RW-10	10/18/17	3791.16	--	--	--	--	--
RW-10	10/24/17	3791.16	--	--	--	--	--
RW-10	11/30/17	3791.16	LNAPL	65.93	2.78	--	68.71
RW-10	12/5/17	3791.16	--	--	--	--	--
RW-10	12/12/17	3791.16	--	--	--	--	--
RW-10	2/27/18	3791.16	LNAPL	66.00	2.80	--	68.8
RW-10	5/29/18	3791.16	68.73	66.05	2.68	--	68.8
RW-10	8/29/18	3791.16	LNAPL	66.31	1.20	--	67.51
RW-10	11/27/18	3791.16		66.50	2.20	--	68.70
RW-10	2/25/19	3791.16	LNAPL	66.68	2.02	--	
RW-10	5/20/19	3791.16	LNAPL	66.98	1.62	--	68.70
RW-10	7/23/19	3791.16	LNAPL	67.00	1.70	--	--
RW-10	10/21/19	3791.16	LNAPL	67.18	1.64	--	68.82
RW-10	2/11/20	3791.16	Dry	--	--	--	68.68
RW-10	4/28/20	3791.16	68.74	67.55	1.19	3723.38	--
RW-10	5/12/20	3791.16	LNAPL	67.56	1.12	--	68.68
RW-10	6/19/20	3791.16	LNAPL	67.62	1.06	--	68.68
RW-10	7/29/20	3791.16	LNAPL	67.74	0.46	--	68.20
RW-10	8/27/20	3791.16	LNAPL	67.74	0.94	--	68.68
RW-10	9/14/20	3791.16	LNAPL	67.07	1.62	--	68.69
RW-10	10/29/20	3791.16	LNAPL	67.93	0.37	--	68.30
RW-10	12/7/20	3791.16	68.70	67.97	0.73	3723.05	--
RW-10	1/25/21	3791.16	LNAPL	68.01	0.59	--	68.60
RW-10	2/8/21	3791.16	LNAPL	68.13	0.52	--	68.65
RW-10	3/22/21	3791.16	LNAPL	68.28	0.42	--	68.70
RW-10	5/3/21	3791.16	LNAPL	68.30	0.15	--	68.45
RW-10	5/10/21	3791.16	LNAPL	68.34	0.31	--	68.65
RW-10	7/28/21	3791.16	Dry	--	--	--	68.46
RW-10	8/10/21	3791.16	LNAPL	68.53	0.12	--	68.65
RW-10	9/29/21	3791.16	LNAPL	68.64	0.01	--	68.65
RW-10	10/27/21	3791.16	Dry	--	--	--	68.65
RW-10	11/10/21	3791.16	Dry	--	--	--	68.65
RW-10	12/21/21	3791.16	Dry	--	--	--	68.65

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Plains All American Pipeline, L.P.
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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-10	1/24/22	3791.16	Dry	--	--	--	68.65
RW-10	2/10/22	3791.16	Dry	--	--	--	68.49
RW-10	3/17/22	3791.16	Dry	--	--	--	68.49
RW-10	4/13/22	3791.16	Dry	--	--	--	68.49
RW-10	5/4/22	3791.16	Dry	--	--	--	68.49
RW-10	6/14/22	3791.16	Dry	--	--	--	68.49
RW-10	7/26/22	3791.16	Dry	--	--	--	68.49
RW-10	8/23/22	3791.16	Dry	--	--	--	68.49
RW-10	11/7/22	3791.16	Dry	--	--	--	68.49
RW-11	1/5/17	3790.82	--	--	--	--	--
RW-11	1/18/17	3790.82	--	--	--	--	--
RW-11	2/28/17	3788.43	71.30	65.07	6.23	3722.18	--
RW-11	5/31/17	3788.43	66.82	66.27	0.55	3722.06	--
RW-11	6/6/17	3788.43	--	--	--	--	--
RW-11	6/14/17	3788.43	--	--	--	--	--
RW-11	8/30/17	3790.82	68.34	66.15	2.19	3724.25	--
RW-11	11/30/17	3790.82	70.25	65.85	4.40	3724.13	--
RW-11	2/27/18	3790.82	70.61	66.00	4.61	3723.94	72.39
RW-11	5/29/18	3790.82	68.22	66.72	1.50	3723.82	72.39
RW-11	8/29/18	3790.82	68.81	66.85	1.96	3723.60	72.39
RW-11	11/27/18	3790.82	69.75	66.89	2.86	3723.39	--
RW-11	2/25/19	3790.82	70.56	66.88	3.68	3723.24	--
RW-11	5/20/19	3790.82	69.05	67.45	1.60	3723.07	--
RW-11	7/23/19	3790.82	68.15	67.80	0.35	3722.95	--
RW-11	8/13/19	3790.82	--	--	--	--	--
RW-11	8/20/19	3790.82	--	--	--	--	--
RW-11	8/28/19	3790.82	--	--	--	--	--
RW-11	9/10/19	3790.82	--	--	--	--	--
RW-11	9/25/19	3790.82	--	--	--	--	--
RW-11	10/2/19	3790.82	--	--	--	--	--
RW-11	10/21/19	3790.82	69.06	67.78	1.28	3722.80	--
RW-11	12/11/19	3790.82	--	--	--	--	--
RW-11	12/24/19	3790.82	--	--	--	--	--
RW-11	1/15/20	3790.82	--	--	--	--	--
RW-11	1/29/20	3790.82	--	--	--	--	--
RW-11	2/11/20	3790.82	68.70	68.18	0.52	3722.54	74.93
RW-11	2/25/20	3790.82	--	--	--	--	--
RW-11	4/28/20	3790.82	69.81	68.10	1.71	3722.40	--
RW-11	5/12/20	3790.82	70.00	68.08	1.92	3722.38	--
RW-11	6/19/20	3790.82	70.56	68.07	2.49	3722.28	--
RW-11	7/29/20	3790.82	71.10	68.05	3.05	3722.19	--
RW-11	8/27/20	3790.82	71.42	68.04	3.38	3722.14	--
RW-11	9/14/20	3790.82	71.65	68.09	3.56	3722.05	--
RW-11	10/29/20	3790.82	72.03	68.10	3.93	3721.97	--
RW-11	12/7/20	3790.82	72.35	68.09	4.26	3721.92	--
RW-11	1/25/21	3790.82	LNAPL	68.04	4.25	--	72.29
RW-11	2/8/21	3790.82	LNAPL	68.03	4.27	--	72.30
RW-11	3/22/21	3790.82	LNAPL	68.07	4.25	--	72.32
RW-11	5/3/21	3790.82	LNAPL	68.13	4.17	--	72.30
RW-11	5/10/21	3790.82	LNAPL	68.05	4.38	--	72.43
RW-11	7/28/21	3790.82	LNAPL	68.28	4.03	--	72.31
RW-11	8/10/21	3790.82	LNAPL	68.33	4.01	--	72.34
RW-11	9/29/21	3790.82	LNAPL	68.40	3.94	--	72.34
RW-11	10/27/21	3790.82	LNAPL	68.48	3.86	--	72.34
RW-11	11/10/21	3790.82	LNAPL	68.48	3.86	--	72.34
RW-11	12/21/21	3790.82	LNAPL	68.57	3.77	--	72.34
RW-11	1/24/22	3790.82	LNAPL	68.66	3.68	--	72.34
RW-11	2/10/22	3790.82	LNAPL	68.72	3.60	--	72.32
RW-11	3/10/22	3790.82	LNAPL	68.76	3.56	--	72.32
RW-11	3/10/22	3790.82	71.05	69.87	1.18	3720.73	72.32
RW-11	3/17/22	3790.82	71.68	69.50	2.18	3720.91	72.32
RW-11	3/25/22	3790.82	72.00	69.53	2.47	3720.82	72.32
RW-11	3/25/22	3790.82	70.65	--	--	3720.17	72.32
RW-11	3/31/22	3790.82	70.16	69.85	0.31	3720.91	72.32
RW-11	4/7/22	3790.82	70.31	69.82	0.49	3720.91	72.32
RW-11	4/13/22	3790.82	70.16	69.94	0.22	3720.84	72.32
RW-11	4/21/22	3790.82	70.36	69.97	0.39	3720.78	72.32
RW-11	5/4/22	3790.82	70.96	69.81	1.15	3720.79	72.32

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	6/14/22	3790.82	71.68	69.71	1.97	3720.74	72.32
RW-11	6/30/22	3790.82	72.02	69.77	2.25	3720.62	72.32
RW-11	6/30/22	3790.82	71.50	70.64	0.86	3720.02	72.32
RW-11	7/7/22	3790.82	70.74	69.97	0.77	3720.70	72.32
RW-11	7/20/22	3790.82	71.03	69.96	1.07	3720.66	72.32
RW-11	7/20/22	3790.82	71.90	71.88	0.02	3718.94	72.32
RW-11	7/26/22	3790.82	70.55	70.08	0.47	3720.65	72.32
RW-11	8/23/22	3790.82	71.02	70.08	0.94	3720.56	72.32
RW-11	11/7/22	3790.82	72.05	70.96	1.09	3719.65	72.32
RW-12	2/28/17	3791.20	66.06	--	--	3725.14	85.67
RW-12	3/2/17	3791.20	--	--	--	--	--
RW-12	5/2/17	3791.20	--	--	--	--	--
RW-12	5/17/17	3791.20	--	--	--	--	--
RW-12	5/31/17	3791.20	66.21	--	--	3724.99	85.94
RW-12	6/14/17	3791.20	--	--	--	--	--
RW-12	7/6/17	3791.20	--	--	--	--	--
RW-12	7/14/17	3791.20	--	--	--	--	--
RW-12	8/10/17	3791.20	--	--	--	--	--
RW-12	8/30/17	3791.20	--	--	--	--	--
RW-12	9/1/17	3791.20	66.24	--	--	3724.96	85.53
RW-12	9/6/17	3791.20	--	--	--	--	--
RW-12	9/20/17	3791.20	--	--	--	--	--
RW-12	10/12/17	3791.20	--	--	--	--	--
RW-12	10/24/17	3791.20	--	--	--	--	--
RW-12	11/14/17	3791.20	--	--	--	--	--
RW-12	11/28/17	3791.20	66.58	--	--	3724.62	85.63
RW-12	12/1/17	3791.20	--	--	--	--	--
RW-12	12/5/17	3791.20	--	--	--	--	--
RW-12	12/12/17	3791.20	--	--	--	--	--
RW-12	12/20/17	3791.20	--	--	--	--	--
RW-12	2/27/18	3791.20	66.80	--	--	3724.40	85.81
RW-12	5/29/18	3791.20	66.95	--	--	3724.25	85.73
RW-12	8/29/18	3791.20	67.09	--	--	3724.11	85.81
RW-12	11/27/18	3791.20	67.25	--	--	3723.95	--
RW-12	2/25/19	3791.20	67.47	--	--	3723.73	--
RW-12	4/30/19	3791.20	67.59	--	--	3723.61	--
RW-12	5/20/19	3791.20	67.65	--	--	3723.55	--
RW-12	5/22/19	3791.20	--	--	--	--	--
RW-12	7/23/19	3791.20	67.74	--	--	3723.46	--
RW-12	7/24/19	3791.20	--	--	--	--	--
RW-12	8/28/19	3791.20	--	--	--	--	--
RW-12	9/10/19	3791.20	--	--	--	--	--
RW-12	9/25/19	3791.20	--	--	--	--	--
RW-12	10/2/19	3791.20	--	--	--	--	--
RW-12	10/21/19	3791.20	67.95	--	--	3723.25	85.81
RW-12	10/24/19	3791.20	--	--	--	--	--
RW-12	2/11/20	3791.20	68.21	--	--	3722.99	88.59
RW-12	2/25/20	3791.20	--	--	--	--	--
RW-12	3/17/20	3791.20	--	--	--	--	--
RW-12	4/28/20	3791.20	68.38	--	--	3722.82	--
RW-12	5/12/20	3791.20	68.36	--	--	3722.84	--
RW-12	6/19/20	3791.20	68.45	--	--	3722.75	--
RW-12	7/29/20	3791.20	67.53	--	--	3723.67	--
RW-12	8/27/20	3791.20	68.61	--	--	3722.59	--
RW-12	9/14/20	3791.20	68.65	--	--	3722.55	--
RW-12	10/29/20	3791.20	68.74	--	--	3722.46	--
RW-12	12/7/20	3791.20	68.83	--	--	3722.37	--
RW-12	1/25/21	3791.20	68.94	--	--	3722.26	--
RW-12	2/8/21	3791.20	69.00	--	--	3722.20	85.48
RW-12	3/22/21	3791.20	69.07	--	--	3722.13	--
RW-12	5/3/21	3791.20	69.16	--	--	3722.04	--
RW-12	5/10/21	3791.20	68.31	--	--	3722.89	--
RW-12	7/28/21	3791.20	69.36	--	--	3721.84	--
RW-12	8/10/21	3791.20	69.40	--	--	3721.80	85.55
RW-12	9/29/21	3791.20	69.50	--	--	3721.70	85.55
RW-12	10/27/21	3791.20	69.56	--	--	3721.64	85.55
RW-12	11/10/21	3791.20	69.57	--	--	3721.63	85.55
RW-12	12/21/21	3791.20	69.64	--	--	3721.56	85.55
RW-12	1/24/22	3791.20	69.71	--	--	3721.49	85.55
RW-12	2/10/22	3791.20	69.77	--	--	3721.43	85.50
RW-12	3/17/22	3791.20	69.87	--	--	3721.33	85.50
RW-12	4/13/22	3791.20	69.99	--	--	3721.21	85.50

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-12	5/4/22	3791.20	69.93	--	--	3721.27	82.01
RW-12	6/14/22	3791.20	70.04	--	--	3721.16	82.01
RW-12	7/26/22	3791.20	70.12	--	--	3721.08	82.01
RW-12	8/22/22	3791.20	70.18	--	--	3721.02	82.01
RW-12	11/7/22	3791.20	70.34	--	--	3720.86	82.01
RW-13	1/18/17	3788.45	--	--	--	--	--
RW-13	2/15/17	3788.45	--	--	--	--	--
RW-13	2/28/17	3788.45	72.60	65.06	7.54	3721.96	--
RW-13	5/31/17	3788.45	71.42	65.36	6.06	3721.94	--
RW-13	6/6/17	3788.45	--	--	--	--	--
RW-13	8/30/17	3791.08	71.91	65.26	6.65	3724.56	--
RW-13	11/30/17	3791.08	72.23	65.34	6.89	3724.43	--
RW-13	2/27/18	3791.08	72.40	65.75	6.65	3724.07	82.05
RW-13	5/29/18	3791.08	70.30	66.23	4.07	3724.08	--
RW-13	8/29/18	3791.08	70.34	66.46	3.88	3723.88	--
RW-13	11/27/18	3791.08	70.61	66.90	3.71	3723.48	--
RW-13	2/25/19	3791.08	71.71	66.64	5.07	3723.48	--
RW-13	5/20/19	3791.08	70.11	67.20	2.91	3723.33	--
RW-13	7/23/19	3791.08	71.40	67.30	4.10	3723.00	--
RW-13	10/21/19	3791.08	72.86	67.17	5.69	3722.83	--
RW-13	2/11/20	3791.08	73.32	67.39	5.93	3722.56	84.33
RW-13	4/28/20	3791.08	--	--	--	--	--
RW-13	5/12/20	3791.08	71.57	67.75	3.82	3722.60	--
RW-13	6/19/20	3791.08	73.31	67.43	5.88	3722.53	--
RW-13	7/29/20	3791.08	74.04	67.74	6.30	3722.14	--
RW-13	8/27/20	3791.08	73.56	67.57	5.99	3722.37	--
RW-13	9/14/20	3791.08	73.88	67.61	6.27	3722.28	--
RW-13	10/29/20	3791.08	71.80	68.09	3.71	3722.29	--
RW-13	12/7/20	3791.08	--	--	--	--	--
RW-13	1/25/21	3791.08	73.66	67.96	5.70	3722.04	--
RW-13	2/8/21	3791.08	73.85	67.95	5.90	3722.01	81.83
RW-13	3/22/21	3791.08	74.32	68.07	6.25	3721.82	--
RW-13	5/3/21	3791.08	74.26	68.09	6.17	3721.82	--
RW-13	5/10/21	3791.08	74.29	68.10	6.19	3721.80	--
RW-13	7/28/21	3791.08	--	--	--	--	--
RW-13	8/10/21	3791.08	74.65	68.66	5.99	3721.28	--
RW-13	9/29/21	3791.08	71.46	68.85	2.61	3721.73	81.83
RW-13	10/27/21	3791.08	Pump	--	--	--	81.83
RW-13	11/10/21	3791.08	75.18	68.73	6.45	3721.12	81.83
RW-13	12/21/21	3791.08	Pump	--	--	--	81.83
RW-13	1/24/22	3791.08	Pump	--	--	--	81.83
RW-13	2/10/22	3791.08	73.62	69.22	4.40	3721.02	--
RW-13	3/17/22	3791.08	72.05	69.68	2.37	3720.95	82.01
RW-13	4/13/22	3791.08	Pump	--	--	--	82.01
RW-13	5/4/22	3791.08	71.82	69.78	2.04	3720.91	82.01
RW-13	6/14/22	3791.08	Pump	--	--	--	82.01
RW-13	7/26/22	3791.08	Pump	--	--	--	82.01
RW-13	8/23/22	3791.08	Pump	--	--	--	82.01
RW-13	11/7/22	3792.08	75.59	69.67	5.92	3721.29	82.01
RW-14	1/18/17	3788.32	--	--	--	--	--
RW-14	2/15/17	3788.32	--	--	--	--	--
RW-14	2/28/17	3788.32	70.96	65.13	5.83	3722.08	--
RW-14	5/31/17	3788.32	68.45	66.12	2.33	3721.76	--
RW-14	6/6/17	3788.32	--	--	--	--	--
RW-14	8/30/17	3790.92	70.77	65.63	5.14	3724.31	--
RW-14	11/30/17	3790.92	71.93	65.54	6.39	3724.17	--
RW-14	2/27/18	3790.92	71.13	65.90	5.23	3724.03	79.62
RW-14	5/29/18	3790.92	69.05	66.59	2.46	3723.86	--
RW-14	8/29/18	3790.92	71.24	66.36	4.88	3723.63	--
RW-14	11/27/18	3790.92	69.51	66.95	2.56	3723.48	--
RW-14	2/25/19	3790.92	70.65	66.95	3.70	3723.27	--
RW-14	5/20/19	3790.92	69.55	67.65	1.90	3722.91	--
RW-14	7/23/19	3790.92	73.21	67.13	6.08	3722.63	--
RW-14	7/30/19	3790.92	73.41	67.05	6.36	3722.66	--
RW-14	10/21/19	3790.92	73.28	67.29	5.99	3722.49	--
RW-14	2/11/20	3790.92	73.69	67.48	6.21	3722.26	81.46
RW-14	4/21/20	3790.92	77.16	66.94	10.22	3722.04	--
RW-14	4/28/20	3790.92	--	--	--	--	--
RW-14	5/12/20	3790.92	74.44	67.31	7.13	3722.26	--
RW-14	6/19/20	3790.92	--	--	--	--	--
RW-14	7/29/20	3790.92	--	--	--	--	--

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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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-14	8/27/20	3790.92	--	--	--	--	--
RW-14	9/14/20	3790.69	74.74	67.80	6.94	3721.57	--
RW-14	10/29/20	3790.69	76.77	67.42	9.35	3721.49	--
RW-14	12/7/20	3791.08	--	--	--	--	--
RW-14	1/25/21	3791.08	--	--	--	--	--
RW-14	2/8/21	3790.69	76.55	67.71	8.84	3721.30	79.41
RW-14	3/22/21	3791.08	--	--	--	--	--
RW-14	5/3/21	3791.08	--	--	--	--	--
RW-14	5/10/21	3791.08	74.93	68.20	6.73	3721.60	--
RW-14	7/28/21	3791.08	--	--	--	--	--
RW-14	8/10/21	3791.08	75.88	68.51	7.37	3721.17	--
RW-14	9/29/21	3791.08	76.22	68.63	7.59	3721.01	79.41
RW-14	10/27/21	3791.08	75.30	68.66	6.64	3721.16	79.41
RW-14	11/10/21	3791.08	75.31	68.66	6.65	3721.16	79.41
RW-14	12/21/21	3791.08	75.39	68.75	6.64	3721.07	79.41
RW-14	1/24/22	3791.08	75.94	68.66	7.28	3721.04	79.41
RW-14	2/10/22	3791.08	76.12	68.87	7.25	3720.83	--
RW-14	3/10/22	3791.08	76.19	68.97	7.22	3720.74	--
RW-14	3/10/22	3791.08	70.34	70.04	0.30	3720.98	--
RW-14	3/17/22	3791.08	74.45	69.28	5.17	3720.82	--
RW-14	3/25/22	3791.08	75.51	69.10	6.41	3720.76	79.65
RW-14	3/25/22	3791.08	70.48	--	--	3720.60	79.65
RW-14	3/31/22	3791.08	73.11	69.54	3.57	3720.86	79.65
RW-14	3/31/22	3791.08	70.52	70.30	0.22	3720.74	79.65
RW-14	4/7/22	3791.08	73.25	69.49	3.76	3720.88	79.65
RW-14	4/7/22	3791.08	74.73	74.44	0.29	3716.58	79.65
RW-14	4/13/22	3791.08	73.13	69.64	3.49	3720.78	79.65
RW-14	4/21/22	3791.08	74.36	69.37	4.99	3720.76	79.65
RW-14	4/21/22	3791.08	70.93	70.54	0.39	3720.47	79.65
RW-14	4/28/22	3791.08	73.94	69.44	4.50	3720.79	79.65
RW-14	4/28/22	3791.08	71.77	71.02	0.75	3719.92	79.65
RW-14	5/4/22	3791.08	72.83	69.62	3.21	3720.85	79.65
RW-14	5/12/22	3791.08	74.17	69.38	4.79	3720.79	79.65
RW-14	5/12/22	3791.08	72.13	70.69	1.44	3720.12	79.65
RW-14	5/23/22	3791.08	74.92	69.53	5.39	3720.53	79.65
RW-14	5/23/22	3791.08	71.10	70.97	0.13	3720.09	79.65
RW-14	5/31/22	3791.08	72.71	69.72	2.99	3720.79	79.65
RW-14	5/31/22	3791.08	71.04	71.02	0.02	3720.06	79.65
RW-14	6/6/22	3791.08	72.52	69.78	2.74	3720.78	79.65
RW-14	6/6/22	3791.08	70.98	--	--	3720.10	79.65
RW-14	6/14/22	3791.08	72.18	69.86	2.32	3720.78	79.65
RW-14	6/30/22	3791.08	74.36	69.49	4.87	3720.66	79.65
RW-14	6/30/22	3791.08	72.03	70.20	1.83	3720.53	79.65
RW-14	7/7/22	3791.08	73.69	69.62	4.07	3720.69	79.65
RW-14	7/7/22	3791.08	70.74	70.61	0.13	3720.45	79.65
RW-14	7/20/22	3791.08	73.42	69.68	3.74	3720.69	79.65
RW-14	7/20/22	3791.08	70.54	70.50	0.04	3720.57	79.65
RW-14	7/26/22	3791.08	72.16	69.94	2.22	3720.72	79.65
RW-14	8/1/22	3791.08	73.06	69.79	3.27	3720.67	79.65
RW-14	8/1/22	3791.08	72.03	71.99	0.04	3719.08	79.65
RW-14	8/8/22	3791.08	72.15	69.99	2.16	3720.68	79.65
RW-14	8/8/22	3791.08	71.62	71.59	0.03	3719.48	79.65
RW-14	8/23/22	3791.08	72.89	69.89	3.00	3720.62	79.65
RW-14	8/29/22	3791.08	73.51	69.78	3.73	3720.59	79.65
RW-14	8/29/22	3791.08	71.02	70.69	0.33	3720.33	79.65
RW-14	9/6/22	3791.08	72.55	69.99	2.56	3720.60	79.65
RW-14	9/6/22	3791.08	71.11	70.92	0.19	3720.12	79.65
RW-14	9/12/22	3791.08	72.73	70.04	2.69	3720.53	79.65
RW-14	9/12/22	3791.08	71.82	71.33	0.49	3719.66	79.65
RW-14	9/19/22	3791.08	72.71	69.98	2.73	3720.58	79.65
RW-14	9/19/22	3791.08	71.76	71.42	0.34	3719.60	79.65
RW-14	10/10/22	3791.08	72.81	70.07	2.74	3720.49	79.65
RW-14	10/10/22	3791.08	71.49	70.98	0.51	3720.00	79.65
RW-14	10/17/22	3791.08	71.84	70.07	1.77	3720.67	79.65
RW-14	10/17/22	3791.08	71.47	70.92	0.55	3720.06	79.65
RW-14	10/23/22	3791.08	72.69	69.92	2.77	3720.63	79.65
RW-14	10/23/22	3791.08	71.34	71.21	0.13	3719.85	79.65
RW-14	11/7/22	3791.08	72.63	70.38	2.25	3720.27	79.65
RW-14	11/21/22	3791.08	73.96	70.09	3.87	3720.25	79.65

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	11/21/22	3791.08	71.51	71.42	0.09	3719.64	79.65
RW-15	2/28/20	3789.74	--	--	--	--	--
RW-15	3/12/20	3789.74	67.53	--	--	3722.21	90.89
RW-15	3/23/20	3789.74	67.65	67.64	0.01	3722.10	90.96
RW-15	4/28/20	3789.74	67.71	--	--	3722.03	--
RW-15	5/12/20	3789.74	67.72	67.70	0.02	3722.04	--
RW-15	6/19/20	3789.74	67.84	67.79	0.05	3721.94	--
RW-15	7/29/20	3789.74	68.00	67.75	0.25	3721.94	--
RW-15	8/27/20	3789.74	68.11	67.89	0.22	3721.81	--
RW-15	9/14/20	3789.74	68.21	67.95	0.26	3721.74	--
RW-15	10/29/20	3789.74	68.43	68.00	0.43	3721.66	--
RW-15	12/7/20	3789.74	68.59	68.07	0.52	3721.57	--
RW-15	1/25/21	3789.74	68.80	68.18	0.62	3721.44	--
RW-15	2/8/21	3789.74	68.84	68.21	0.63	3721.41	90.85
RW-15	3/22/21	3789.74	69.00	68.31	0.69	3721.30	--
RW-15	5/3/21	3789.74	69.09	68.38	0.71	3721.23	--
RW-15	5/10/21	3789.74	69.12	68.37	0.75	3721.23	--
RW-15	7/28/21	3789.74	69.46	68.56	0.90	3721.01	--
RW-15	8/10/21	3789.74	69.49	68.56	0.93	3721.00	--
RW-15	9/29/21	3789.74	69.66	68.64	1.02	3720.91	90.85
RW-15	10/27/21	3789.74	69.70	68.68	1.02	3720.87	90.85
RW-15	11/10/21	3789.74	69.72	68.68	1.04	3720.86	90.85
RW-15	12/21/21	3789.74	70.11	68.74	1.37	3720.74	90.85
RW-15	1/24/22	3789.74	70.23	68.80	1.43	3720.67	90.85
RW-15	2/10/22	3789.74	70.39	68.80	1.59	3720.64	--
RW-15	3/10/22	3789.74	70.61	68.87	1.74	3720.54	--
RW-15	3/10/22	3789.74	69.53	69.10	0.43	3720.56	--
RW-15	3/17/22	3789.74	69.66	69.06	0.60	3720.57	--
RW-15	3/25/22	3789.74	69.26	69.07	0.19	3720.63	91.33
RW-15	4/13/22	3789.74	69.74	69.37	0.37	3720.30	91.33
RW-15	5/4/22	3789.74	70.00	69.10	0.90	3720.47	91.33
RW-15	6/14/22	3789.74	70.30	69.15	1.15	3720.37	91.33
RW-15	6/30/22	3789.74	70.45	69.20	1.25	3720.30	91.33
RW-15	6/30/22	3789.74	69.50	69.34	0.16	3720.37	91.33
RW-15	7/7/22	3789.74	69.70	69.34	0.36	3720.33	91.33
RW-15	7/20/22	3789.74	69.82	69.35	0.47	3720.30	91.33
RW-15	7/26/22	3789.74	69.83	69.35	0.48	3720.30	91.33
RW-15	8/23/22	3789.74	70.00	69.40	0.60	3720.23	91.33
RW-15	11/7/22	3789.74	70.72	69.45	1.27	3720.05	91.33
RW-16	3/2/20	3789.70	67.28	--	0.00	3722.42	91.15
RW-16	3/12/20	3789.70	69.54	67.70	1.84	3721.65	90.9
RW-16	3/23/20	3789.70	71.85	67.32	4.53	3721.52	91
RW-16	4/28/20	3789.70	73.10	67.11	5.99	3721.45	--
RW-16	5/12/20	3789.70	72.88	67.20	5.68	3721.42	--
RW-16	6/19/20	3789.70	--	--	--	--	--
RW-16	7/29/20	3789.70	--	--	--	--	--
RW-16	8/27/20	3789.70	--	--	--	--	--
RW-16	9/14/20	3789.70	72.62	66.71	5.91	3721.87	--
RW-16	10/29/20	3789.70	73.03	67.64	5.39	3721.04	--
RW-16	12/7/20	3789.70	--	--	--	--	--
RW-16	1/25/21	3789.70	--	--	--	--	--
RW-16	2/8/21	3789.70	73.13	63.86	9.27	3724.08	90.99
RW-16	3/22/21	3789.70	--	--	--	--	--
RW-16	5/3/21	3789.70	--	--	--	--	--
RW-16	5/10/21	3789.70	73.32	68.10	5.22	3720.61	--
RW-16	7/28/21	3789.70	--	--	--	--	--
RW-16	8/10/21	3789.70	74.77	68.12	6.65	3720.32	--
RW-16	9/29/21	3789.70	72.14	68.17	3.97	3720.78	90.99
RW-16	10/27/21	3789.70	Pump	--	--	--	90.99
RW-16	11/10/21	3789.70	75.63	68.26	7.37	3720.04	90.99
RW-16	12/21/21	3789.70	Pump	--	--	--	90.99
RW-16	1/24/22	3789.70	Pump	--	--	--	90.99
RW-16	2/10/22	3789.70	74.38	68.68	5.70	3719.94	--
RW-16	3/17/22	3789.70	74.64	68.69	5.95	3719.88	90.51
RW-16	4/13/22	3789.70	Pump	--	--	--	90.51
RW-16	5/4/22	3789.70	74.99	69.11	5.88	3719.47	90.51
RW-16	6/14/22	3789.70	Pump	--	--	--	90.51
RW-16	7/26/22	3789.70	Pump	--	--	--	90.51
RW-16	8/23/22	3789.70	Pump	--	--	--	90.51
RW-16	11/7/22	3789.70	75.01	68.18	6.83	3720.22	90.51
RW-17	3/2/20	3790.62	67.94	--	0.00	3722.68	90.85
RW-17	3/12/20	3790.62	68.18	67.93	0.25	3722.64	90.85
RW-17	3/23/20	3790.62	68.52	68.00	0.52	3722.52	90.97
RW-17	4/28/20	3790.62	69.61	67.84	1.77	3722.44	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-17	5/12/20	3790.62	70.30	67.70	2.60	3722.43	--
RW-17	6/19/20	3790.62	72.75	67.27	5.48	3722.31	--
RW-17	7/29/20	3790.62	73.55	67.20	6.35	3722.21	--
RW-17	8/27/20	3790.62	73.63	67.25	6.38	3722.16	--
RW-17	9/14/20	3790.62	73.65	67.31	6.34	3722.11	--
RW-17	10/29/20	3790.62	73.70	67.42	6.28	3722.01	--
RW-17	12/7/20	3790.62	73.75	67.51	6.24	3721.92	--
RW-17	1/25/21	3790.62	73.82	67.65	6.17	3721.80	--
RW-17	2/8/21	3790.62	73.83	67.66	6.17	3721.79	90.85
RW-17	3/22/21	3790.62	73.90	67.77	6.13	3721.69	--
RW-17	5/3/21	3790.62	73.96	67.50	6.46	3721.89	--
RW-17	5/10/21	3790.62	73.97	67.86	6.11	3721.60	--
RW-17	7/28/21	3790.62	74.13	68.05	6.08	3721.41	--
RW-17	8/10/21	3790.62	74.16	68.09	6.07	3721.38	--
RW-17	9/29/21	3790.62	74.30	68.18	6.12	3721.28	90.85
RW-17	10/27/21	3790.62	74.33	68.22	6.11	3721.24	90.85
RW-17	11/10/21	3790.62	74.33	68.22	6.11	3721.24	90.85
RW-17	12/21/21	3790.62	74.45	68.34	6.11	3721.12	90.85
RW-17	1/24/22	3790.62	74.53	68.41	6.12	3721.05	90.85
RW-17	2/10/22	3790.62	74.52	68.44	6.08	3721.02	--
RW-17	3/10/22	3790.62	74.66	68.53	6.13	3720.93	--
RW-17	3/10/22	3790.62	70.55	69.44	1.11	3720.97	--
RW-17	3/17/22	3790.62	74.05	68.66	5.39	3720.94	90.98
RW-17	3/25/22	3790.62	74.62	68.58	6.04	3720.89	90.98
RW-17	3/25/22	3790.62	69.72	69.60	0.12	3721.00	90.98
RW-17	3/31/22	3790.62	73.29	69.87	3.42	3720.10	90.98
RW-17	3/31/22	3790.62	70.02	69.65	0.37	3720.90	90.98
RW-17	4/13/22	3790.62	73.44	69.94	3.50	3720.02	90.98
RW-17	4/21/22	3790.62	74.17	68.68	5.49	3720.90	90.98
RW-17	4/21/22	3790.62	70.59	69.98	0.61	3720.52	90.98
RW-17	4/28/22	3790.62	74.53	68.70	5.83	3720.81	90.98
RW-17	4/28/22	3790.62	70.36	69.54	0.82	3720.92	90.98
RW-17	5/4/22	3790.62	74.00	68.77	5.23	3720.86	90.98
RW-17	5/12/22	3790.62	74.59	68.65	5.94	3720.84	90.98
RW-17	5/12/22	3790.62	70.89	70.11	0.78	3720.36	90.98
RW-17	5/23/22	3790.62	74.61	68.75	5.86	3720.76	90.98
RW-17	5/23/22	3790.62	69.96	69.79	0.17	3720.80	90.98
RW-17	5/31/22	3790.62	72.86	68.89	3.97	3720.98	90.98
RW-17	5/31/22	3790.62	70.90	70.88	0.02	3719.74	90.98
RW-17	6/6/22	3790.62	73.34	69.00	4.34	3720.80	90.98
RW-17	6/6/22	3790.62	70.63	--	0.00	3719.99	90.98
RW-17	6/14/22	3790.62	73.81	68.93	4.88	3720.76	90.98
RW-17	6/30/22	3790.62	74.73	68.79	5.94	3720.70	90.98
RW-17	6/30/22	3790.62	70.42	69.75	0.67	3720.74	90.98
RW-17	7/7/22	3790.62	73.84	68.98	4.86	3720.72	90.98
RW-17	7/7/22	3790.62	70.26	69.77	0.49	3720.76	90.98
RW-17	7/20/22	3790.62	74.59	68.83	5.76	3720.70	90.98
RW-17	7/20/22	3790.62	70.04	69.83	0.21	3720.75	90.98
RW-17	7/26/22	3790.62	73.33	69.11	4.22	3720.71	90.98
RW-17	8/1/22	3790.62	74.07	68.47	5.60	3721.09	90.98
RW-17	8/1/22	3790.62	70.43	70.11	0.32	3720.45	90.98
RW-17	8/8/22	3790.62	73.85	69.03	4.82	3720.67	90.98
RW-17	8/8/22	3790.62	70.72	70.69	0.03	3719.92	90.98
RW-17	8/23/22	3790.62	74.17	68.92	5.25	3720.70	90.98
RW-17	8/29/22	3790.62	74.81	68.91	5.90	3720.59	90.98
RW-17	8/29/22	3790.62	70.59	69.81	0.78	3720.66	90.98
RW-17	9/6/22	3790.62	74.18	69.06	5.12	3720.59	90.98
RW-17	9/6/22	3790.62	70.58	70.56	0.02	3720.06	90.98
RW-17	9/12/22	3790.62	74.75	69.13	5.62	3720.42	90.98
RW-17	9/12/22	3790.62	70.49	70.03	0.46	3720.50	90.98
RW-17	9/19/22	3790.62	74.70	68.98	5.72	3720.55	90.98
RW-17	9/19/22	3790.62	70.52	69.89	0.63	3720.61	90.98
RW-17	10/10/22	3790.62	75.15	69.21	5.94	3720.28	90.98
RW-17	10/10/22	3790.62	72.46	71.30	1.16	3719.10	90.98
RW-17	10/17/22	3790.62	74.25	69.23	5.02	3720.44	90.98
RW-17	10/17/22	3790.62	70.82	70.19	0.63	3720.31	90.98
RW-17	10/23/22	3790.62	75.05	69.01	6.04	3720.46	90.98
RW-17	10/23/22	3790.62	70.81	70.22	0.59	3720.29	90.98
RW-17	11/7/22	3790.62	74.00	69.32	4.68	3720.41	90.98
RW-17	11/21/22	3790.62	75.09	69.07	6.02	3720.41	90.98
RW-17	11/21/22	3790.62	70.71	70.68	0.03	3719.93	90.98
RW-18	3/3/20	3790.85	--	--	--	--	--
RW-18	3/12/20	3790.85	69.02	67.45	1.57	3723.10	90.75
RW-18	3/23/20	3790.85	71.76	67.00	4.76	3722.95	90.84

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Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	4/28/20	3790.85	73.25	66.75	6.50	3722.87	--
RW-18	5/12/20	3790.85	72.80	66.84	5.96	3722.88	--
RW-18	6/19/20	3790.85	--	--	--	--	--
RW-18	7/29/20	3790.85	--	--	--	--	--
RW-18	8/27/20	3790.85	--	--	--	--	--
RW-18	9/14/20	3790.85	73.97	67.51	6.46	3722.11	--
RW-18	10/29/20	3790.85	74.06	67.58	6.48	3722.04	--
RW-18	12/7/20	3790.85	--	--	--	--	--
RW-18	1/25/21	3790.85	--	--	--	--	--
RW-18	2/8/21	3790.85	74.17	67.82	6.35	3721.82	90.67
RW-18	3/22/21	3790.85	--	--	--	--	--
RW-18	5/3/21	3790.85	--	--	--	--	--
RW-18	5/10/21	3790.85	74.65	67.94	6.71	3721.64	--
RW-18	7/28/21	3790.85	--	--	--	--	--
RW-18	8/10/21	3790.85	75.09	68.25	6.84	3721.30	--
RW-18	9/29/21	3790.85	72.33	68.35	3.98	3721.74	90.67
RW-18	10/27/21	3790.85	Pump	--	--	--	90.67
RW-18	11/10/21	3790.85	74.55	68.48	6.07	3721.22	90.67
RW-18	12/21/21	3790.85	Pump	--	--	--	90.67
RW-18	1/24/22	3790.85	Pump	--	--	--	90.67
RW-18	2/10/22	3790.85	73.95	68.84	5.11	3721.04	--
RW-18	3/17/22	3790.85	74.33	68.90	5.43	3720.92	90.12
RW-18	4/13/22	3790.85	Pump	--	--	--	90.12
RW-18	5/4/22	3790.85	74.13	68.99	5.14	3720.88	90.12
RW-18	6/14/22	3790.85	Pump	--	--	--	90.12
RW-18	7/26/22	3790.85	Pump	--	--	--	90.12
RW-18	8/23/22	3790.85	Pump	--	--	--	90.12
RW-18	11/7/22	3790.85	75.08	69.26	5.82	3720.48	90.12
RW-19	2/27/20	3790.46	--	--	--	--	--
RW-19	3/12/20	3790.46	69.20	67.45	1.75	3722.68	90.75
RW-19	3/23/20	3790.46	70.18	67.40	2.78	3722.53	90.98
RW-19	4/28/20	3790.46	72.08	67.05	5.03	3722.45	--
RW-19	5/12/20	3790.46	72.51	66.98	5.53	3722.43	--
RW-19	6/19/20	3790.46	72.98	67.00	5.98	3722.32	--
RW-19	7/29/20	3790.46	73.15	67.06	6.09	3722.24	--
RW-19	8/27/20	3790.46	73.24	67.10	6.14	3722.19	--
RW-19	9/14/20	3790.46	73.30	67.18	6.12	3722.12	--
RW-19	10/29/20	3790.46	73.40	67.25	6.15	3722.04	--
RW-19	12/7/20	3790.46	73.52	67.33	6.19	3721.95	--
RW-19	1/25/21	3790.46	73.65	67.46	6.19	3721.82	--
RW-19	2/8/21	3790.46	73.68	67.50	6.18	3721.79	90.86
RW-19	3/22/21	3790.46	73.79	67.58	6.21	3721.70	--
RW-19	5/3/21	3790.46	73.86	67.67	6.19	3721.61	--
RW-19	5/10/21	3790.46	73.86	67.68	6.18	3721.61	--
RW-19	7/28/21	3790.46	74.11	67.86	6.25	3721.41	--
RW-19	8/10/21	3790.46	74.09	67.89	6.20	3721.39	--
RW-19	9/29/21	3790.46	74.15	67.99	6.16	3721.30	90.86
RW-19	10/27/21	3790.46	74.18	68.03	6.15	3721.26	90.86
RW-19	11/10/21	3790.46	74.20	68.05	6.15	3721.24	90.86
RW-19	12/21/21	3790.46	74.30	68.14	6.16	3721.15	90.86
RW-19	1/24/22	3790.46	74.33	68.20	6.13	3721.10	90.86
RW-19	2/10/22	3790.46	74.43	68.25	6.18	3721.04	--
RW-19	3/10/22	3790.46	74.81	68.36	6.45	3720.87	--
RW-19	3/10/22	3790.46	70.47	69.20	1.27	3721.02	--
RW-19	3/17/22	3790.46	73.44	68.58	4.86	3720.96	90.82
RW-19	3/25/22	3790.46	74.03	68.48	5.55	3720.93	90.82
RW-19	3/25/22	3790.46	69.45	--	--	3721.01	90.82
RW-19	3/31/22	3790.46	72.17	68.92	3.25	3720.92	90.82
RW-19	3/31/22	3790.46	69.91	69.44	0.47	3720.93	90.82
RW-19	4/7/22	3790.46	72.15	68.87	3.28	3720.97	90.82
RW-19	4/7/22	3790.46	70.04	69.37	0.67	3720.96	90.82
RW-19	4/13/22	3790.46	72.17	69.96	2.21	3720.08	90.82
RW-19	4/21/22	3790.46	72.20	68.78	3.42	3721.03	90.82
RW-19	4/21/22	3790.46	70.96	70.29	0.67	3720.04	90.82
RW-19	5/4/22	3790.46	73.54	68.66	4.88	3720.87	90.82
RW-19	5/12/22	3790.46	73.86	68.66	5.20	3720.81	90.82
RW-19	5/12/22	3790.46	71.02	70.37	0.65	3719.97	90.82
RW-19	6/14/22	3790.46	74.31	68.61	5.70	3720.77	90.82
RW-19	6/30/22	3790.46	74.50	68.64	5.86	3720.71	90.82
RW-19	6/30/22	3790.46	70.55	69.45	1.10	3720.80	90.82
RW-19	7/7/22	3790.46	72.82	68.99	3.83	3720.74	90.82
RW-19	7/7/22	3790.46	69.88	69.61	0.27	3720.80	90.82
RW-19	7/20/22	3790.46	73.00	68.99	4.01	3720.71	90.82
RW-19	7/20/22	3790.46	70.46	70.01	0.45	3720.36	90.82

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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-19	7/26/22	3790.46	71.36	69.34	2.02	3720.74	90.82
RW-19	8/1/22	3790.46	72.31	69.15	3.16	3720.71	90.82
RW-19	8/1/22	3790.46	69.87	69.85	0.02	3720.61	90.82
RW-19	8/8/22	3790.46	71.71	69.29	2.42	3720.71	90.82
RW-19	8/8/22	3790.46	70.12	70.00	0.12	3720.44	90.82
RW-19	8/23/22	3790.46	72.41	69.18	3.23	3720.67	90.82
RW-19	8/29/22	3790.46	73.17	69.06	4.11	3720.62	90.82
RW-19	8/29/22	3790.46	70.27	69.65	0.62	3720.69	90.82
RW-19	9/6/22	3790.46	72.01	69.31	2.70	3720.64	90.82
RW-19	9/6/22	3790.46	70.32	70.21	0.11	3720.23	90.82
RW-19	9/12/22	3790.46	72.46	69.34	3.12	3720.53	90.82
RW-19	9/12/22	3790.46	69.93	69.57	0.36	3720.82	90.82
RW-19	9/19/22	3790.46	72.36	69.27	3.09	3720.60	90.82
RW-19	9/19/22	3790.46	69.85	69.67	0.18	3720.76	90.82
RW-19	10/10/22	3790.46	73.12	69.16	3.96	3720.55	90.82
RW-19	10/10/22	3790.46	69.98	69.78	0.20	3720.64	90.82
RW-19	10/17/22	3790.46	73.24	69.37	3.87	3720.35	90.82
RW-19	10/17/22	3790.46	71.03	70.59	0.44	3719.79	90.82
RW-19	10/23/22	3790.46	72.50	69.35	3.15	3720.51	90.82
RW-19	10/23/22	3790.46	70.31	70.27	0.04	3720.18	90.82
RW-19	11/7/22	3790.46	71.19	69.70	1.49	3720.48	90.82
RW-19	11/21/22	3790.46	72.65	69.35	3.30	3720.48	90.82
RW-19	11/21/22	3790.46	70.49	70.44	0.05	3720.01	90.82

Notes:

1. NAVD88 - North American Vertical Datum of 1988
2. BTOC - Below Top-of-Casing
3. LNAPL - Light Non-Aqueous Phase Liquids
4. -- = No gauging data collected on corresponding date
5. Pump - Pump installed in corresponding recovery well
6. Dry - No fluid column measured in corresponding monitoring or recovery well
7. P&A - Plugged and Abandoned
8. NA - Not Available
9. 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. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-1	2/14/20	LNAPL	--	--	--
MW-1	5/14/20	LNAPL	--	--	--
MW-1	9/17/20	LNAPL	--	--	--
MW-1	11/2/20	LNAPL	--	--	--
MW-1	2/22/21	LNAPL	--	--	--
MW-1	5/14/21	LNAPL	--	--	--
MW-1	8/11/21	LNAPL	--	--	--
MW-2	5/31/17	**0.00660**	**0.00497**	**0.0431**	**0.0782**
MW-2	9/1/17	<0.00200	**0.01330**	**0.0266**	**0.1030**
MW-2	12/1/17	**0.00339**	**0.00363**	**0.0194**	**0.0725**
MW-2	2/27/18	<0.00200	**0.0101**	**0.00899**	**0.0353**
MW-2 (DUP-2)	2/27/18	<0.00200	**0.00789**	**0.00796**	**0.0308**
MW-2	5/31/18	<0.00200	**0.00259**	**0.0182**	**0.0619**
MW-2 (Dup1)	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-2	8/29/18	LNAPL	--	--	--
MW-2	11/29/18	<0.000190	<0.000412	<0.000160	**0.0424**
MW-2	2/27/19	**0.0166**	<0.000412	<0.000160	**0.0124**
MW-2 (DUP-2)	2/27/19	**0.0177**	<0.000412	<0.000160	**0.0130**
MW-2	5/22/19	**0.0118**	**0.000966**	**0.00286**	**0.00667**
MW-2	7/24/19	**0.00339**	<0.000412	<0.000160	**0.00161**
MW-2	10/24/19	**0.00860**	<0.000412	**0.00187**	**0.0190**
MW-2 (Dup-1)	10/24/19	**0.0137**	<0.000412	**0.00377**	**0.0437**
MW-2	2/14/20	**0.0188**	<0.000412	<0.000160	0.000510
MW-2	5/14/20	<0.000190	**0.000734 J**	**0.000363 J**	**0.00746**
MW-2	9/17/20	Dry	--	--	--
MW-2	11/2/20	Dry	--	--	--
MW-2	2/22/21	**0.00583**	<0.000412	<0.000160	**0.0757**
MW-2	5/14/21	Dry	--	--	--
MW-2	8/11/21	**0.0144**	<0.000412	<0.000160	**0.0519**
MW-2 (DUP-2)	8/11/21	**0.0262**	<0.000412	<0.000160	**0.145**
MW-2	11/11/21	<0.000190	<0.000412	<0.000160	**0.0018**
MW-2 (DUP)	11/11/21	**0.000425 J**	**0.000299 J**	**0.000162 J**	**0.000630 J**
MW-2	2/10/22	**0.00112**	**0.000725 J**	**0.00154**	**0.00711**
MW-2	5/5/22	<0.000493	<0.000462	<0.000998	**0.00227 J**
MW-3	3/3/11	**0.0924**	<0.0100	**0.256**	**0.668**
MW-3	P&A				
MW-4	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-4	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	12/4/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	2/14/20	Annual	--	--	--
MW-4	5/14/20	Annual	--	--	--

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-4	9/17/20	Annual	--	--	--
MW-4	11/2/20	**0.00402 J**	<0.000412	<0.000160	<0.000510
MW-4	2/22/21	Annual	--	--	--
MW-4	5/14/21	Annual	--	--	--
MW-4	8/11/21	Annual	--	--	--
MW-5	2/14/20	LNAPL	--	--	--
MW-5	5/14/20	LNAPL	--	--	--
MW-5	9/17/20	LNAPL	--	--	--
MW-5	11/2/20	LNAPL	--	--	--
MW-5	2/22/21	LNAPL	--	--	--
MW-5	5/14/21	LNAPL	--	--	--
MW-5	8/11/21	LNAPL	--	--	--
MW-6	3/3/11	**0.849**	<0.0100	<0.0100	<0.0100
MW-6	6/15/11	**0.760**	<0.0100	<0.0100	<0.0100
MW-6	9/13/11	**0.530**	<0.0100	<0.0100	<0.0100
MW-6	12/1/11	**0.206**	**0.00110**	**0.0356**	**0.0430**
MW-6	3/7/12	**0.220**	<0.00100	**0.0457**	**0.0515**
MW-6	6/7/12	**0.322**	<0.0500	<0.0500	<0.0500
MW-6	9/12/12	**0.299**	<0.0500	<0.0500	<0.0500
MW-6	12/6/12	**0.238**	<0.0100	**0.0694**	**0.0743**
MW-6	3/7/13	**0.121**	<0.0100	<0.0100	<0.0100
MW-6	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	8/29/13	**0.2750**	<0.00100	**0.0129**	**0.0118**
MW-6	8/13/15	**0.4050**	<0.0100	**0.0213**	**0.0502**
MW-6	12/4/15	**0.2870**	<0.0500	<0.0500	<0.0500
MW-6	2/11/16	**0.144**	<0.00100	**0.0100**	**0.0110**
MW-6	5/27/16	**0.148**	<0.00100	**0.0088**	**0.0104**
MW-6 (DUP-1)	5/27/16	**0.151**	<0.00100	**0.0098**	**0.0102**
MW-6	9/1/16	**0.265**	<0.00100	<0.00100	**0.00310**
MW-6 (DUP-1)	9/1/16	**0.254**	<0.00100	<0.00100	**0.00300**
MW-6	11/4/16	**0.229**	<0.00100	<0.00100	<0.00100
MW-6	3/2/17	**0.177**	**0.00199**	**0.00326**	**0.00438**
MW-6 (DUP-1)	3/2/17	**0.349**	<0.00150	**0.01770**	**0.01040**
MW-6	5/31/17	**0.315**	**0.00229**	**0.0430**	**0.0474**
MW-6	9/1/17	**0.284**	**0.00205**	**0.0339**	**0.0257**
MW-6	12/1/17	**0.293**	<0.00200	**0.0126**	**0.0101**
MW-6	2/27/18	**0.109**	0.00278	**0.0114**	**0.0151**
MW-6 (DUP-1)	2/27/18	**0.141**	<0.0500	<0.0500	<0.0500
MW-6	5/31/18	**0.105**	<0.00200	**0.0105**	**0.0141**
MW-6	8/30/18	**0.0829**	**0.00274**	**0.00194**	**0.00900**
MW-6	11/29/18	**0.0781**	<0.000412	**0.00840**	**0.00944**
MW-6	2/27/19	**0.0994**	**0.00146**	**0.0115**	**0.0115**
MW-6	5/22/19	**0.0724**	**0.000675**	**0.00415**	**0.00905**
MW-6	7/24/19	**0.0746**	<0.000412	**0.000864**	**0.00431**
MW-6 (DUP-1)	7/24/19	**0.0691**	<0.000412	**0.000755**	**0.00394**
MW-6	10/24/19	**0.0590**	**0.000554**	**0.00156**	**0.00631**
MW-6 (Dup-2)	10/24/19	**0.0649**	**0.000664**	**0.00157**	**0.00622**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-6	2/14/20	**0.0291**	<0.0291	**0.00865**	**0.00736**
MW-6	5/14/20	**0.0223**	<0.000412	**0.000855**	**0.00447**
MW-6	9/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6 (DUP-2)	9/18/20	**0.0268**	<0.000412	<0.000160	**0.00285**
MW-6	11/5/20	**0.00438**	<0.000412	**0.00168**	**0.00321**
MW-6 (DUP-2)	11/5/20	**0.00604**	<0.000412	**0.00199**	**0.00344**
MW-6	2/22/21	**0.00170**	<0.000412	**0.000836**	**0.00192**
MW-6 (DUP-2)	2/22/21	**0.00166**	<0.000412	**0.000835**	**0.0019**
MW-6	5/14/21	<0.000190	<0.000412	**0.000348 J**	**0.00201**
MW-6	8/11/21	**0.00405**	<0.000412	<0.000160	**0.0280**
MW-6	11/11/21	**0.000858**	<0.000412	<0.000160	**0.000559 J**
MW-6	2/10/22	<0.000190	<0.000412	**0.00349**	**0.00222**
MW-6 (DUP-1)	2/10/22	<0.000190	<0.000412	**0.00487**	**0.00534**
MW-6	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-6	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	11/7/22	<0.000190	<0.000412	**0.000171 J**	**.000526 J**
MW-6	11/7/22	<0.000190	<0.000412	**0.000228 J**	<0.000510
MW-7	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/14/13	**0.00180**	<0.00100	<0.00100	<0.00300
MW-7	5/28/14	**0.03880**	<0.00100	<0.00100	<0.00300
MW-7	11/20/14	**0.03340**	<0.00100	<0.00100	<0.00300
MW-7	6/3/15	**0.12900**	<0.00100	<0.00100	<0.00100
MW-7 (DUP-1)	6/3/15	**0.13000**	<0.00100	<0.00100	<0.00100
MW-7	12/4/15	**0.00160**	<0.00100	<0.00100	<0.00100
MW-7 (DUP-1)	12/4/15	**0.00280**	<0.00100	<0.00100	<0.00100
MW-7	5/27/16	**0.1590**	<0.00100	<0.00100	<0.00100
MW-7	11/4/16	**0.1840**	<0.00100	<0.00100	<0.00100
MW-7 (DUP-1)	11/4/16	**0.1920**	<0.00100	<0.00100	<0.00100
MW-7	5/31/17	**0.2110**	<0.00200	<0.00200	<0.00200
MW-7 (DUP-1)	5/31/17	**0.189**	<0.00200	<0.00200	<0.00200
MW-7	12/1/17	**0.0368**	<0.00200	<0.00200	<0.00200
MW-7 (DUP-1)	12/1/17	**0.0394**	<0.00200	<0.00200	<0.00200
MW-7	5/31/18	**0.00379**	<0.00200	<0.00200	<0.00200
MW-7 (Dup2)	5/31/18	**0.00367**	<0.00200	<0.00200	<0.00200
MW-7	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/14/20	**0.000267 J**	<0.000412	**0.000515**	**0.00112 J**
MW-7	9/18/20	**0.0249**	<0.000412	<0.000160	**0.00552**
MW-7 (DUP-1)	9/18/20	**0.000399 J**	<0.000412	<0.000160	**0.00107 J**
MW-7	11/2/20	**0.000747**	<0.000412	<0.000160	**0.00107 J**
MW-7 (DUP-1)	11/2/20	**0.000846**	<0.000412	<0.000160	<0.000510
MW-7	2/22/21	Semi-Annual	--	--	--
MW-7	5/14/21	<0.000190	<0.000412	**0.000310 J**	**0.00192**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-7	8/11/21	Semi-Annual	--	--	--
MW-7	11/11/21	**0.000667**	<0.000412	<0.000160	<0.000510
MW-7	2/10/22	Semi-Annual	--	--	--
MW-7	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-7	8/23/22	Semi-Annual	--	--	--
MW-7	11/7/22	<0.000190	<0.000412	**0.000333 J**	<0.000510
MW-7	11/7/22	<0.000190	**0.000413 J**	**0.000329 J**	<0.000510
MW-11R	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-11R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11R	11/8/22	<0.000190	**0.000441 J**	**0.000269 J**	<0.000510
MW-11R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	3/3/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-12	6/15/11	**0.0372**	<0.00100	<0.00100	<0.00100
MW-12	9/13/11	**0.00770**	<0.00100	<0.00100	<0.00100
MW-12	12/1/11	**0.0763**	<0.00100	<0.00100	<0.00100
MW-12	3/7/12	**0.0095**	<0.00100	<0.00100	<0.00100
MW-12	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-12	2/10/17	P&A	--	--	--
MW-12R	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-12R	5/31/17	**0.00797**	**0.00357**	<0.00200	**0.00382**
MW-12R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12R	8/30/18	**0.000791**	**0.000434**	**0.000176**	<0.000510
MW-12R (DUP-2)	8/30/18	**0.000416**	<0.000412	**0.000176**	<0.000510
MW-12R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-12R	2/27/19	**0.000563**	<0.000412	<0.000160	<0.000510
MW-12R	5/22/19	<0.000190	<0.000412	**0.000507**	**0.00108 J**
MW-12R	7/24/19	**0.0003**	<0.000412	<0.000160	<0.000510
MW-12R	10/24/19	**0.000236**	<0.000412	<0.000160	**0.000537**
MW-12R	2/14/20	**0.000366 J**	**0.000476 J**	<0.000160	**0.000783 J**
MW-12R	5/14/20	**0.000247 J**	<0.000412	<0.000160	<0.000510
MW-12R	9/18/20	**0.000654**	<0.000412	<0.000160	**0.00194**
MW-12R	11/2/20	**0.00395 J**	<0.000412	<0.000160	<0.000510
MW-12R	2/22/21	**0.000626**	<0.000412	**0.000240 J**	<0.000510
MW-12R	5/14/21	<0.000190	<0.000412	**0.000305 J**	**0.000655 J**
MW-12R (DUP-2)	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-12R	8/11/21	**0.000811**	<0.000412	**0.000211 J**	<0.000510
MW-12R	11/11/21	**0.00135**	<0.000412	**0.000300 J**	<0.000510
MW-12R	2/10/22	**0.00100**	<0.000412	<0.000160	**0.00972**
MW-12R (DUP-2)	2/10/22	**0.000897**	<0.000412	<0.000160	**0.00913**
MW-12R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-12R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12R	11/7/22	**0.000357 J**	<0.000412	**.000226 J**	<0.000510
MW-12R (DUP-2)	11/7/22	**0.000363 J**	<0.000412	**.000229 J**	<0.000510
MW-12R	11/7/22	**0.000316 J**	<0.000412	<0.000160	<0.000510
MW-12R (DUP-2)	11/7/22	**0.000313 J**	<0.000412	<0.000160	<0.000510
MW-13	2/19/20	P&A	--	--	--
MW-14	2/19/20	P&A	--	--	--
MW-15	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-15	2/10/17	P&A	--	--	--
MW-16	2/10/17	P&A	--	--	--
MW-16R	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-16R	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-16R	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-16R	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-16R	8/30/18	**0.000256**	<0.000412	<0.000160	<0.000510
MW-16R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R (DUP-1)	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	5/22/19	**0.00048**	<0.000412	**0.0002**	<0.000510
MW-16R	7/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R (DUP-1)	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-16R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-16R	11/7/22	<0.000190	<0.000412	**0.000275 J**	<0.000510
MW-16R	11/8/22	<0.000190	**0.000422 J**	**0.000304 J**	<0.000510
MW-17	3/3/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	10/8/14	P&A			
MW-17R	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-17R	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	6/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	8/13/15	<0.00100	<0.00100	<0.00100	**0.00110**
MW-17R	12/4/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	9/1/16	<0.00100	**0.00150**	**0.00670**	**0.01060**
MW-17R	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-17R	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-17R	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-17R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-17R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-17R	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-17R	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-17R	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R (DUP-1)	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R (DUP-1)	5/22/19	**0.00025**	<0.000412	<0.000160	<0.000510
MW-17R	7/24/19	<0.000190	<0.000412	**0.000189**	<0.000510
MW-17R	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	9/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-17R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-17R	11/8/22	<0.000190	<0.000412	**0.000261 J**	<0.000510
MW-17R	11/8/22	<0.000190	<0.000412	**0.000300 J**	<0.000510
MW-18R	2/10/17	P&A	--	--	--
MW-18R	3/2/17	<0.00200	<0.00150	<0.00200	**0.00178**
MW-18R	5/31/17	<0.00200	<0.00200	0.00200	<0.00200
MW-18R	9/1/17	<0.00200	<0.00200	0.00200	<0.00200
MW-18R	12/1/17	<0.00200	<0.00200	0.00200	<0.00200
MW-18R	2/27/18	<0.00200	<0.00200	0.00200	<0.00200
MW-18R	5/31/18	<0.00200	<0.00200	0.00200	<0.00200
MW-18R	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	5/22/19	**0.000258**	<0.000412	<0.000160	<0.000510
MW-18R	7/24/19	**0.000201**	**0.000448**	**0.000365**	**0.00101 J**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-18R	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R (DUP-1)	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	9/18/20	**0.000660**	<0.000412	<0.000160	**0.00137 J**
MW-18R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-18R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-18R	11/8/22	<0.000190	<0.000412	**0.000276 J**	<0.000510
MW-18R	11/8/22	<0.000190	<0.000412	**0.000289 J**	<0.000510
MW-19	3/3/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-19	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-19	9/13/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-19	P&A	10/8/14			
MW-19R	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	3/5/15	<0.00200	<0.00200	<0.00200	<0.00200
MW-19R	6/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	12/4/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-19R	3/2/17	**0.0326**	<0.00150	<0.00200	**0.00469**
MW-19R	5/31/17	**0.0466**	<0.00200	<0.00200	**0.00618**
MW-19R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-19R (DUP-1)	9/1/17	**0.00236**	<0.00200	<0.00200	**0.00467**
MW-19R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-19R	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-19R	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-19R	8/30/18	**0.000338**	<0.000412	<0.000160	<0.000510
MW-19R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	2/27/19	**0.000519**	<0.000412	<0.000160	<0.000510
MW-19R	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	7/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	9/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-19R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-19R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-19R	11/7/22	<0.000190	<0.000412	**0.000273 J**	<0.000510
MW-19R	11/7/22	<0.000190	<0.000412	**0.000282 J**	<0.000510
MW-20	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-20	P&A	10/9/14			
MW-20R	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	3/5/15	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	6/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	12/4/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-20R	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-20R	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-20R	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R (DUP-2)	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	7/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-20R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-20R	11/7/22	<0.000190	**0.000517 J**	**0.000374 J**	<0.000510
MW-20R	11/7/22	<0.000190	**0.000453 J**	**0.000407 J**	<0.000510
MW-21	3/3/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	6/15/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	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. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-21	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	3/7/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	8/29/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-21	2/27/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-21	5/28/14	<0.00100	<0.00100	<0.00100	<0.00300
MW-21	9/4/14	<0.00100	<0.00100	<0.00100	**0.0016**
MW-21	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21 (DUP-1)	3/5/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	6/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21 (DUP-1)	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	12/4/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-21 (DUP-1)	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	5/27/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	9/1/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	11/4/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-21	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-21	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-21	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-21	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-21	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-21	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-21	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-21	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-21	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-21	5/22/19	**0.000279**	<0.000412	<0.000160	<0.000510
MW-21	7/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-21	10/24/19	Dry	--	--	--
MW-21	2/19/20	P&A	--	--	--
MW-21R	3/26/20	<0.00190	<0.00412	<0.000160	<0.000510
MW-21R	5/14/20	<0.00190	<0.00412	<0.000160	<0.000510
MW-21R	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	5/14/21	<0.000190	<0.000412	**0.000183 J**	<0.000510
MW-21R (DUP-1)	5/14/21	<0.000190	<0.000412	**0.000302 J**	<0.000510
MW-21R	8/11/21	**0.000195 J**	<0.000412	**0.000228 B J**	<0.000510
MW-21R	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-21R	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	11/7/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-21R	11/7/22	<0.000190	<0.000412	**0.000412 J**	<0.000510
MW-22	3/2/17	<0.00200	<0.00150	<0.00200	<0.00200
MW-22	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-22	9/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-22	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-22	2/27/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-22	5/31/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-22	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	11/29/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	5/22/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	7/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	2/13/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	9/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	8/11/21	**0.000269 J**	<0.000412	<0.000160	<0.000510
MW-22	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-22	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-22	11/7/22	<0.000190	<0.000412	**0.000287 J**	<0.000510
MW-22	11/7/22	<0.000190	<0.000412	**0.000290 J**	<0.000510
MW-23	3/2/17	**0.124**	**0.242**	**0.0773**	**0.273**
MW-23	8/11/21	LNAPL	--	--	--
MW-24	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-24	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-24	11/7/22	<0.000190	<0.000412	**0.000280 J**	<0.000510
MW-24	11/7/22	<0.000190	**0.000413 J**	**0.000280 J**	<0.000511
MW-25	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-25 (DUP-1)	3/26/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	5/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-25 (DUP-2)	5/14/2020	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-25	9/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	11/2/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	2/22/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	5/14/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	8/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	11/11/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	2/10/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	5/5/22	<0.000493	<0.000462	<0.000998	<0.00132
MW-25	8/23/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-25	11/7/22	<0.000190	<0.000412	**0.000271 J**	<0.000510
MW-25	11/7/22	<0.000190	<0.000412	**0.000281 J**	<0.000510
RW-12	3/2/17	**0.00493**	**0.0161**	**0.0109**	**0.0396**
RW-12	5/31/17	**0.0121**	**0.0423**	**0.0353**	**0.123**
RW-12 (DUP-2)	5/31/17	**0.0122**	**0.0381**	**0.0265**	**0.109**
RW-12	9/1/17	**0.0146**	**0.0324**	**0.0147**	**0.0943**
RW-12	12/1/17	**0.0133**	**0.0396**	**0.0184**	**0.122**
RW-12 (DUP-2)	12/1/17	**0.00989**	**0.0329**	**0.0153**	**0.102**
RW-12	2/27/18	**0.00237**	**0.00809**	**0.00271**	**0.0170**
RW-12	5/31/18	**1.53**	**0.0909**	**0.202**	**0.220**
RW-12	8/30/18	**0.00161**	**0.00965**	**0.00527**	**0.0641**
RW-12 (DUP-1)	8/30/18	**0.00147**	**0.00834**	**0.00451**	**0.0562**
RW-12	11/29/18	**0.00662**	**0.0194**	**0.0145**	**0.127**
RW-12	2/27/19	**0.00739**	**0.00863**	**0.00722**	**0.0826**
RW-12	5/22/19	**0.00663**	**0.00768**	**0.00491**	**0.0564**
RW-12 (DUP-2)	5/22/19	**0.00782**	**0.0113**	**0.00920**	**0.108**
RW-12	7/24/19	**0.00869**	**0.0115**	**0.0223**	**0.162**
RW-12 (DUP-2)	7/24/19	**0.00807**	**0.0109**	**0.0210**	**0.151**
RW-12	10/24/19	**0.00505**	**0.00408**	**0.00361**	**0.104**
RW-12	2/14/20	**0.00479**	**0.002420**	**0.00688**	**0.061**
RW-12	5/14/20	**0.00199**	**0.00485**	**0.000594**	**0.105**
RW-12	9/17/20	**0.000599**	**0.000742**	<0.000160	**0.0138**
RW-12	11/2/20	<0.000190	<0.000412	<0.000160	**0.00349**
RW-12	2/22/21	<0.000190	<0.000412	<0.000160	**0.00821**
RW-12	5/14/21	**0.00138**	**0.00325**	**0.00118**	**0.104**
RW-12	8/11/21	**0.000489 J**	<0.000412	**0.000212 J**	**0.00545**
RW-12 (DUP-1)	8/11/21	**0.000672**	<0.000412	**0.000197 J**	**0.00765**
RW-12	11/11/21	<0.000190	<0.000412	**0.000219 J**	**0.0129**
RW-12	2/10/22	**0.00131**	**0.00128**	<0.000160	**0.0178**
RW-12	5/5/22	<0.000493	<0.000462	<0.000998	**0.0139**
RW-12	8/23/22	<0.000190	<0.000412	<0.000160	**0.00518**
RW-12	11/7/22	**0.00222**	<0.000412	**0.000367 J**	**0.0228**
RW-12 (DUP-1)	11/7/22	**0.00221**	<0.000412	**0.000357 J**	**0.0223**
RW-12	11/7/22	**0.00220**	<0.000412	**0.000323 J**	**0.0204**
RW-12 (DUP-1)	11/7/22	**0.00199**	<0.000412	**0.000295 J**	**0.0188**
Trip Blank	8/30/18	<0.000190	<0.000412	<0.000160	**0.00051**
Trip Blank	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	10/24/19	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
Trip Blank	2/14/20	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	8/29/22	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/8/22	<0.000190	**.000412 J**	**0.000278 J**	<0.000510
Trip Blank	11/8/22	<0.000190	<0.000412	**0.000285 J**	<0.000510
Equip Blank	11/8/22	<0.000190	<0.000412	**0.000270 J**	<0.000510

Notes:
1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method
2. All reported concentrations are reported as milligrams per Liter (mg/L)
3. Bold font indicates laboratory detection
4. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards
5. < - Not detected above the Sample Detection Limit
6. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the
7. DUP - Duplicate Sample
8. LNAPL - Light Non-Aqueous Phase Liquid
9. Dry - No fluid column measured in monitoring well
10. -- - No analytical data reported for corresponding date
11. Annual - Annual groundwater sampling (1-time per year) approved by the NMOCD in March 2020 for the correponding monitoring well
12. Semi-Annual - Semi-annual groundwater sampling (2-times per year) approved by the NMOCD in March 2020 for the corresponding
13. P&A - Plugged and Abandoned

Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03		
MW-1	11/24/08	<0.000183	<0.000183	**0.00485**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0106**	<0.000183	**0.0167**	<0.000183	**0.0205**	<0.000183	**0.122**	**0.173**	**0.250**
MW-1	12/08/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0164**	<0.000922	**0.0436**	<0.000922	**0.0719**	<0.000922	**0.106**	<0.000922	**0.350**	**0.748**	**1.09**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/24/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00174**	<0.000183	**0.00255**	<0.000183	**0.00282**	<0.000183	**0.0285**	**0.0234**	**0.0302**
MW-2	12/07/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00314**	<0.000184	**0.00482**	<0.000184	**0.00625**	<0.000184	**0.0435**	**0.0536**	**0.0528**
MW-2	12/01/17	<0.000185	**0.000644**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.000941**	<0.000185	**0.00133**	<0.000185	**0.00128**	**0.000236**	**0.00546**	--	--
MW-2	11/29/18	**0.000671**	**0.000509**	<0.0000120	<0.00000410	<0.0000116	**0.0000380 J**	<0.00000227	<0.0000136	**0.000175**	<0.00000396	**0.00215**	<0.0000157	**0.00232**	<0.0000148	**0.00291**	<0.0000117	**0.0137**	**0.0257**	**0.0109**
MW-2	10/24/19	**0.00120**	**0.000502**	<0.0000120	**0.000537**	**0.000323**	**0.0000671 J**	**0.0000552 J**	<0.0000136	**0.000253**	<0.00000396	**0.00102**	**0.000181**	**0.00182**	<0.0000148	**0.00290**	**0.000539**	**0.00140**	**0.00629**	**0.00159**
MW-2	11/02/20	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/11/21	<0.0000190	**0.00348**	<0.0000171	<0.0000203	<0.0000184 J3	**0.000378**	**0.000345 J3**	**0.0000983 J3**	**0.00139**	<0.0000160 J3	**0.00790**	**0.00142**	**0.0128**	<0.0000158 J3	**0.0190**	<0.0000169	**0.0114**	**0.0607**	**0.0511**
MW-3	11/24/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00292**	<0.000184	**0.00377**	<0.000184	**0.0037**	<0.000184	**0.0601**	**0.0455**	**0.0625**
MW-3	12/07/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00191**	<0.000184	**0.00242**	<0.000184	**0.00262**	<0.000184	**0.0372**	**0.0396**	**0.0451**
MW-3	11/22/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.00579**	<0.000186	**0.00899**	<0.000186	**0.0136**	<0.000186	**0.0673**	**0.0915**	**0.115**
P&A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-4	11/24/08	<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-4	12/07/09	<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-5	11/24/08	**0.0424**	<0.000917	**0.0806**	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0201**	<0.000917	**0.0326**	<0.000917	**0.0427**	<0.000917	**0.136**	**0.261**	**0.372**
MW-5	12/07/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00262**	<0.000184	**0.00767**	<0.000184	**0.0122**	<0.000184	**0.0172**	<0.000184	**0.0779**	**0.137**	**0.194**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	11/24/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00251**	<0.000184	**0.00321**	<0.000184	**0.00322**	<0.000184	**0.0217**	**0.0339**	**0.015**
MW-6	12/07/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00125**	<0.000184	**0.00129**	<0.000184	**0.00144**	<0.000184	**0.00437**	**0.0133**	**0.00426**
MW-6	12/01/11	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.00152**	<0.000186	**0.000962**	<0.000186	**0.00131**	<0.000186	**0.00345**	**0.00676**	**0.00328**
MW-6	12/06/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	**0.00398**	<0.000190	**0.00346**	<0.000190	**0.00406**	<0.000190	**0.0126**	**0.0206**	**0.0207**
MW-6	12/04/15	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	0196	<0.000196	<0.000196	<0.000196	<0.000196	**0.00034**	<0.000196
MW-6	11/04/16	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.000342**	<0.000185	<0.000185	<0.000185	<0.000185	**0.000273**	**0.00219**	**0.00141**	**0.00122**
MW-6	12/01/17	<0.000185	**0.000313**	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.00047**	<0.000185	**0.000277**	<0.000185	**0.000360**	<0.000185	**0.00208**	**---**	**---**
MW-6	11/29/18	**0.000306**	**0.000311**	<0.0000120	<0.00000410	<0.0000116	**0.0000189 J**	**0.0000137 J**	<0.0000136	<0.0000108	<0.00000396	**0.000334**	**0.0000159 J**	**0.000146**	<0.0000148	**0.000293**	**0.000141**	**0.00196**	**0.00188**	**0.00107**
MW-6	10/24/19	**0.0000833**	0.000313	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.000332**	<0.0000157	**0.0000546**	<0.0000148	**0.000139**	**0.0000246 J**	**0.00161**	**0.000970**	**0.000783**
MW-7	11/24/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-7	12/07/09	<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-7	11/29/18	<0.0000140	**0.0000476 J**	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00028**	<0.0000157	<0.00000850	<0.0000148	**0.0000751**	<0.0000117	**0.000254 B**	**0.000367**	**0.0000983 J**
MW-7	10/24/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000667 B J**	<0.0000157	<0.0000085	<0.0000148	<0.00000820	<0.0000117	**0.0000281 B J**	**0.0000148 B J**	**0.0000138 B J**
MW-8	11/25/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.0861**	<0.000184	**0.135**	<0.000184	**0.188**	<0.000184	**0.529**	**1.26**	**1.86**
MW-8	12/08/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0165**	<0.000917	**0.0566**	<0.000917	**0.0789**	<0.000917	**0.113**	<0.000917	**0.359**	**0.839**	**1.14**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/25/08	<0.000184	<0.000184	0.00163	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00172**	<0.000184	**0.00578**	<0.000184	**0.00846**	<0.000184	**0.0104**	<0.000184	**0.0641**	**0.0851**	**0.112**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/24/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0286**	<0.000922	**0.0382**	<0.000922	**0.0512**	<0.000922	**0.212**	**0.382**	**0.537**
MW-10	12/08/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0357**	<0.000917	**0.112**	<0.000917	**0.172**	<0.000917	**0.245**	<0.000917	**0.856**	**1.89**	**2.64**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11	11/24/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-11	12/07/09	<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-11R	11/02/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-11R	11/11/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184 J3	<0.0000168	<0.0000184 J3	<0.0000202 J3	<0.0000179	<0.0000160 J3	<0.0000191	<0.0000270	<0.0000169	<0.0000158 J3	<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. 1 SRS Darr Angell #1
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	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03		
MW-12	11/24/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00145**	<0.000183	0.000696	<0.000183	<0.000183	<0.000183	**0.000648**	0.000372	<0.000183
MW-12	12/07/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000706**	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000615**	<0.000184	<0.000184
MW-12	12/01/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000228**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000302**	<0.000183
P&A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12R	12/01/17	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000368	**---**	---
MW-12R	11/29/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	**0.00000214 J**	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000847 B J**	<0.0000157	<0.00000850	<0.0000148	**0.0000133 J**	<0.0000117	**0.0000307 B J**	<0.00000821	<0.00000902
MW-12R	10/24/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000710 B J**	<0.0000157	<0.0000085	<0.0000148	**0.00000922 J**	<0.0000117	**0.0000286 B J**	**0.0000150 B J**	**0.0000132 B J**
MW-15	11/24/08	<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	12/07/09	<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-16	11/24/08	**0.000888**	<0.000185	<0.000185	**0.000959**	**0.000847**	**0.000814**	**0.00102**	**0.000879**	**0.000958**	<0.000185	<0.000185	**0.0013**	**0.000417**	**0.0010**	**0.00076**	**0.0012**	<0.000185	**0.000216**	**0.000313**
MW-16	12/07/09	<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-16R	11/02/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-16R	11/11/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184 J3	<0.0000168	<0.0000184 J3	<0.0000202 J3	<0.0000179	<0.0000160 J3	<0.0000191	<0.0000270	<0.0000169	<0.0000158 J3	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-17	11/24/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-17	12/07/09	<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-17R	12/11/14	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-17R	12/04/15	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198
MW-18	11/24/08	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	**0.000216**	**0.000245**	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
MW-18	12/07/09	<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-18R	12/01/17	<0.000184	<0.000184	<0.000184	**0.000257**	<0.000184	**0.000252**	**0.000298**	**0.000278**	**0.000250**	**0.000348**	<0.000184	**0.000286**	<0.000184	**0.000329**	<0.000184	**0.00029**	<0.000368	<0.000184	<0.000184
MW-18R	11/29/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000623 B J**	<0.0000157	<0.00000850	<0.0000148	**0.00000952 J**	<0.0000117	**0.000134 B J**	**0.0000439 J**	**0.0000423 J**
MW-19	11/24/08	<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-19	12/07/09	<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-19R	12/11/14	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	**0.000930**	<0.000186	<0.000186	<0.000186	**0.00180**	<0.000186	<0.000186	**0.000330**	**0.000326**
MW-19R	12/04/15	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197
MW-19R	11/04/16	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	**0.000296**	<0.000185	<0.000185	<0.000185
MW-19R	11/29/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000399 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.0000460 B J**	<0.00000821	<0.00000902
MW-20	11/24/08	<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-20	12/07/09	<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-20R	12/11/14	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-20R	12/04/15	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196
MW-21	11/24/08	<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-21	12/07/09	<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-21R	11/02/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-21R	11/11/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184 J3	<0.0000168	<0.0000184 J3	<0.0000202 J3	<0.0000179	<0.0000160 J3	<0.0000191	<0.0000270	<0.0000169	<0.0000158 J3	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-22	12/01/17	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000368	**---**	---
MW-22	11/29/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000399 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.0000537 B J**	<0.00000821	<0.00000902
MW-22	10/24/19	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000625 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.0000362 B J**	**0.0000126 B J**	**0.0000132 B J**

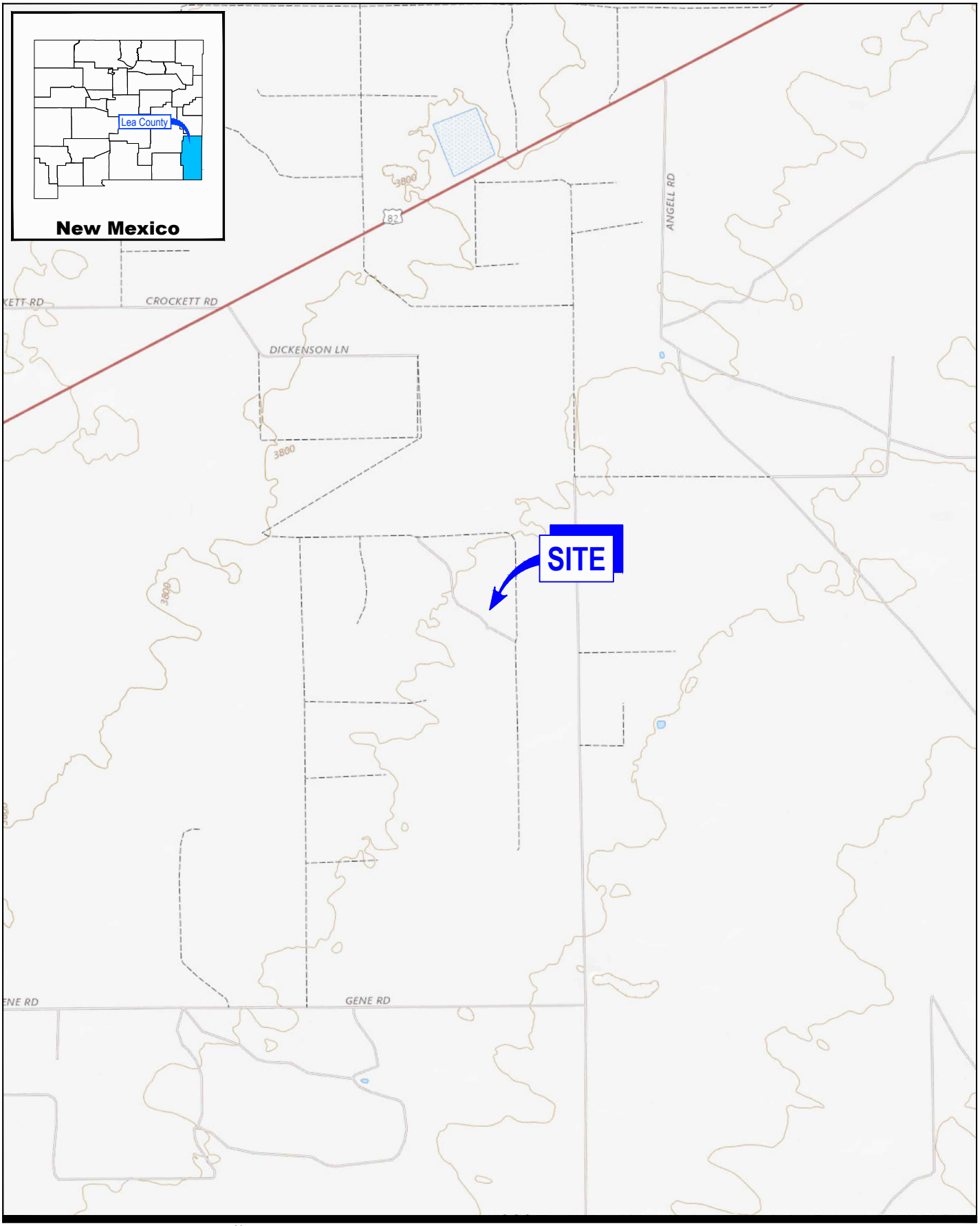
Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 1 SRS Darr Angell #1
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	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03		
MW-24	11/02/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-24	11/11/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184 J3	<0.0000168	<0.0000184 J3	<0.0000202 J3	<0.0000179	<0.0000160 J3	<0.0000191	<0.0000270	<0.0000169	<0.0000158 J3	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-25	11/02/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-25	11/11/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184 J3	<0.0000168	<0.0000184 J3	<0.0000202 J3	<0.0000179	<0.0000160 J3	<0.0000191	<0.0000270	<0.0000169	<0.0000158 J3	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
RW-2	12/08/09	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	**0.0379**	<0.00184	**0.0964**	<0.00184	**0.162**	<0.00184	**0.256**	<0.00184	**0.798**	**1.74**	**2.60**
P&A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-3	11/25/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0218**	<0.000917	**0.0633**	<0.000917	**0.0966**	<0.000917	**0.129**	<0.000917	**0.400**	**0.888**	**1.31**
RW-3	12/08/09	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	**0.0506**	<0.00183	**0.130**	<0.00183	**0.210**	<0.00183	**0.321**	<0.00183	**1.02**	**2.27**	**3.29**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-4	12/08/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00224**	<0.000183	**0.00772**	<0.000183	**0.011**	<0.000183	**0.0161**	<0.000183	**0.0801**	**0.134**	**0.184**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-5	11/25/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.013**	<0.000917	**0.0218**	<0.000917	**0.0273**	<0.000917	**0.132**	**0.17**	**0.254**
RW-5	12/08/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0166**	<0.000917	**0.0426**	<0.000917	**0.0726**	<0.000917	**0.105**	<0.000917	**0.338**	**0.726**	**1.07**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-6	11/25/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0286**	<0.000917	**0.0751**	<0.000917	**0.126**	<0.000917	**0.167**	<0.000917	**0.564**	**1.33**	**1.93**
RW-6	12/08/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0110**	<0.000922	**0.0180**	<0.000922	**0.0330**	<0.000922	**0.0456**	<0.000922	**0.175**	**0.327**	**0.462**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-7	11/25/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0254**	<0.000922	**0.0709**	<0.000922	**0.106**	<0.000922	**0.143**	<0.000922	**0.477**	**1.07**	**1.55**
RW-7	12/08/09	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	<0.00862	**0.191**	<0.00862	**0.0531**	<0.00862	**0.844**	<0.00862	**1.28**	<0.00862	**3.95**	**9.15**	**13.1**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-8	11/25/08	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	**0.214**	<0.00459	**0.342**	<0.00459	**0.436**	<0.00459	**1.17**	**2.87**	**4.15**
RW-8	12/08/09	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	**0.116**	<0.00461	**0.294**	<0.00461	**0.480**	<0.00461	**0.704**	<0.00461	**2.16**	**5.04**	**7.19**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-9	11/25/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0488**	<0.000917	**0.064**	<0.000917	**0.0838**	<0.000917	**0.294**	**0.587**	**0.841**
RW-9	12/08/09	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	**0.0186**	<0.00183	**0.0576**	<0.00183	**0.0795**	<0.00183	**0.117**	<0.00183	**0.402**	**0.890**	**1.24**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-10	12/08/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00344**	<0.000183	0.00496	<0.000183	**0.00643**	<0.000183	**0.0478**	**0.0674**	**0.0898**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-11	11/25/08	<0.000917	**0.0062**	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	**0.0105**	<0.000917	**0.0269**	<0.000917	**0.0426**	<0.000917	**0.0571**	<0.000917	**0.145**	**0.322**	**0.441**
LNAPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-12	12/01/17	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000182	<0.000364	---	---
RW-12	11/29/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000538 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.000138 B J**	**0.0000167 J**	<0.00000902
RW-12	11/12/19	<0.00000800	<0.0000100	<0.00000700	**0.0000120 J**	<0.0000158	**0.00000573 J**	**0.00000505 J**	<0.0000255	<0.0000144	<0.00000454	**0.00000221 J**	<0.0000165	<0.00000898	<0.00000739	<0.0000184	<0.0000155	**0.0000393 B J**	<0.0000189	<0.0000155

Notes:

1. All results reported as mg/L- milligrams per Liter
2. < - not detected above the Sample Detection Limit
3. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
4. Yellow shaded cells indicate results exceeding NMWQCC groundwater regulatory limit
5. Bold font Indicates laboratory detection.
6. P&A - Denotes the monitoring well has been plugged and abandoned
7. Green shaded cells indicate results meeting EPA and NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the regulatory limit
8. Regulaotry standards of 0.001 mg/L noted above are requirements of the NMOCD. Other standards are required by NMAC 20.6.2.3103 Section A..
9. Nova Training and Environmental collected samples dated between 2008 and 2010.



PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

Project No. **12572705**
Date **March 2023**

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:09 AM

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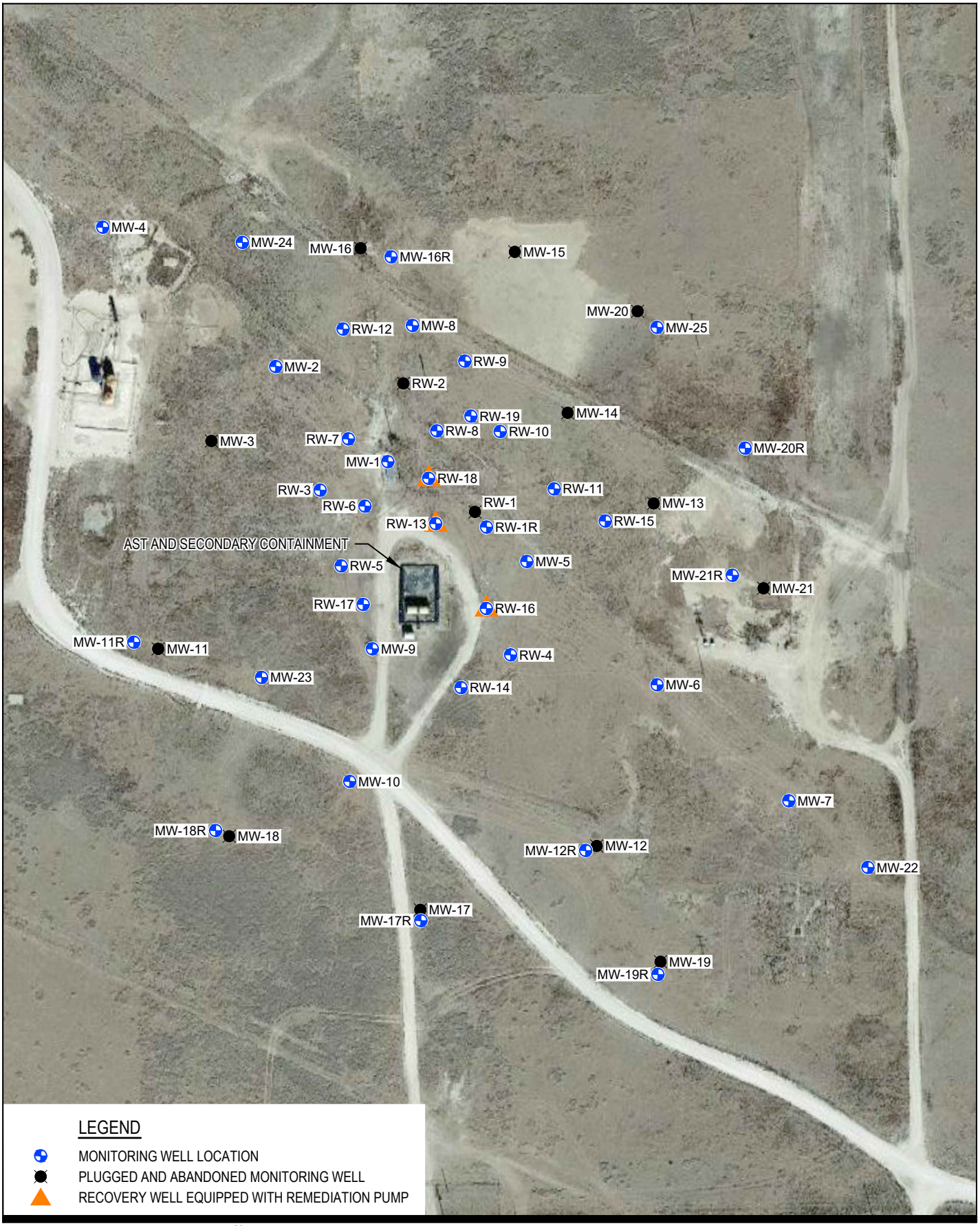
Lat/Long: 33.0266° North, 103.1666° West



0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

Project No. **12572705**
Date **March 2023**

SITE DETAILS MAP

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
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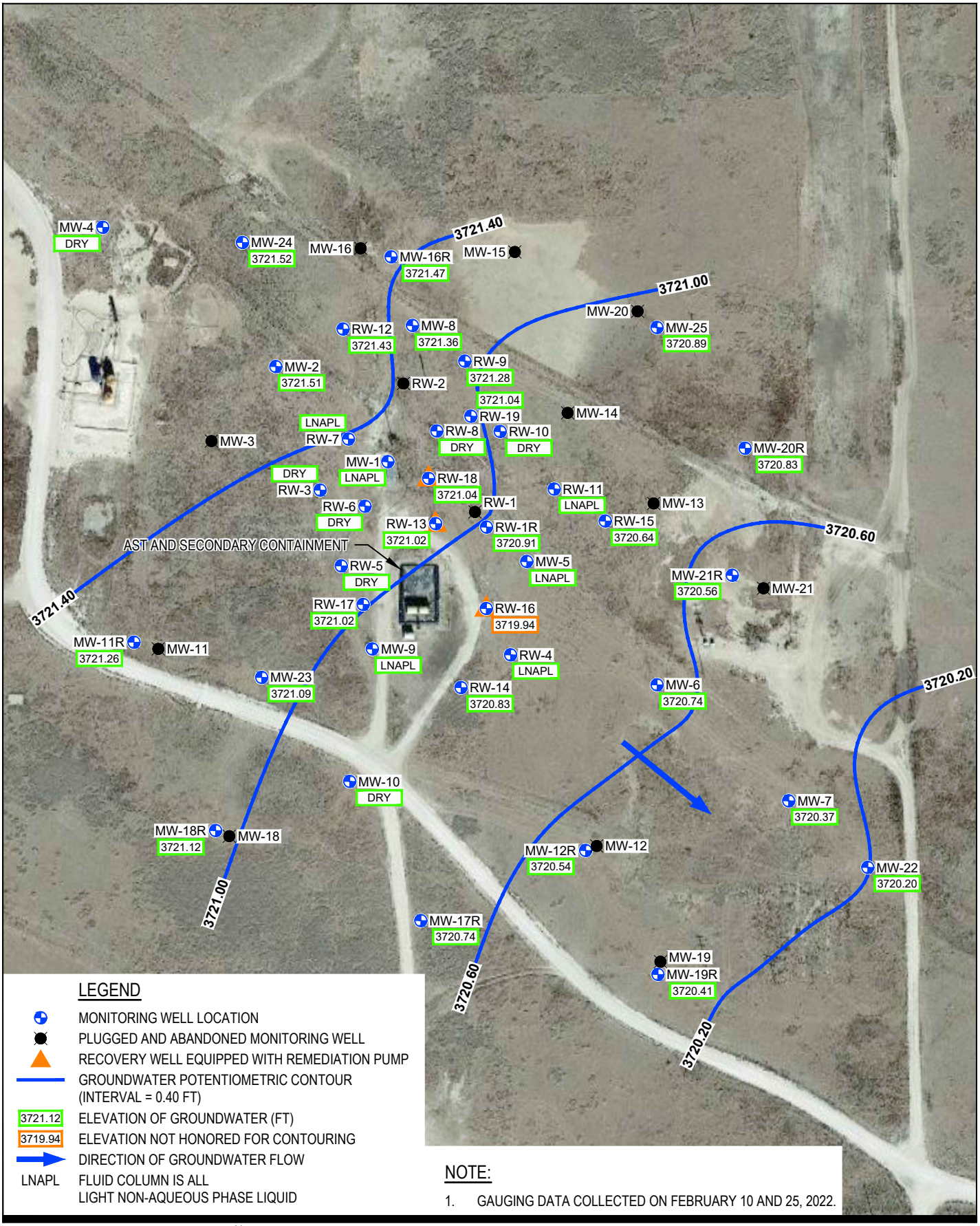
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.40 FT)
- 3721.12 — ELEVATION OF GROUNDWATER (FT)
- 3719.94 — ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW
- LNAPL — FLUID COLUMN IS ALL LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

1. GAUGING DATA COLLECTED ON FEBRUARY 10 AND 25, 2022.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

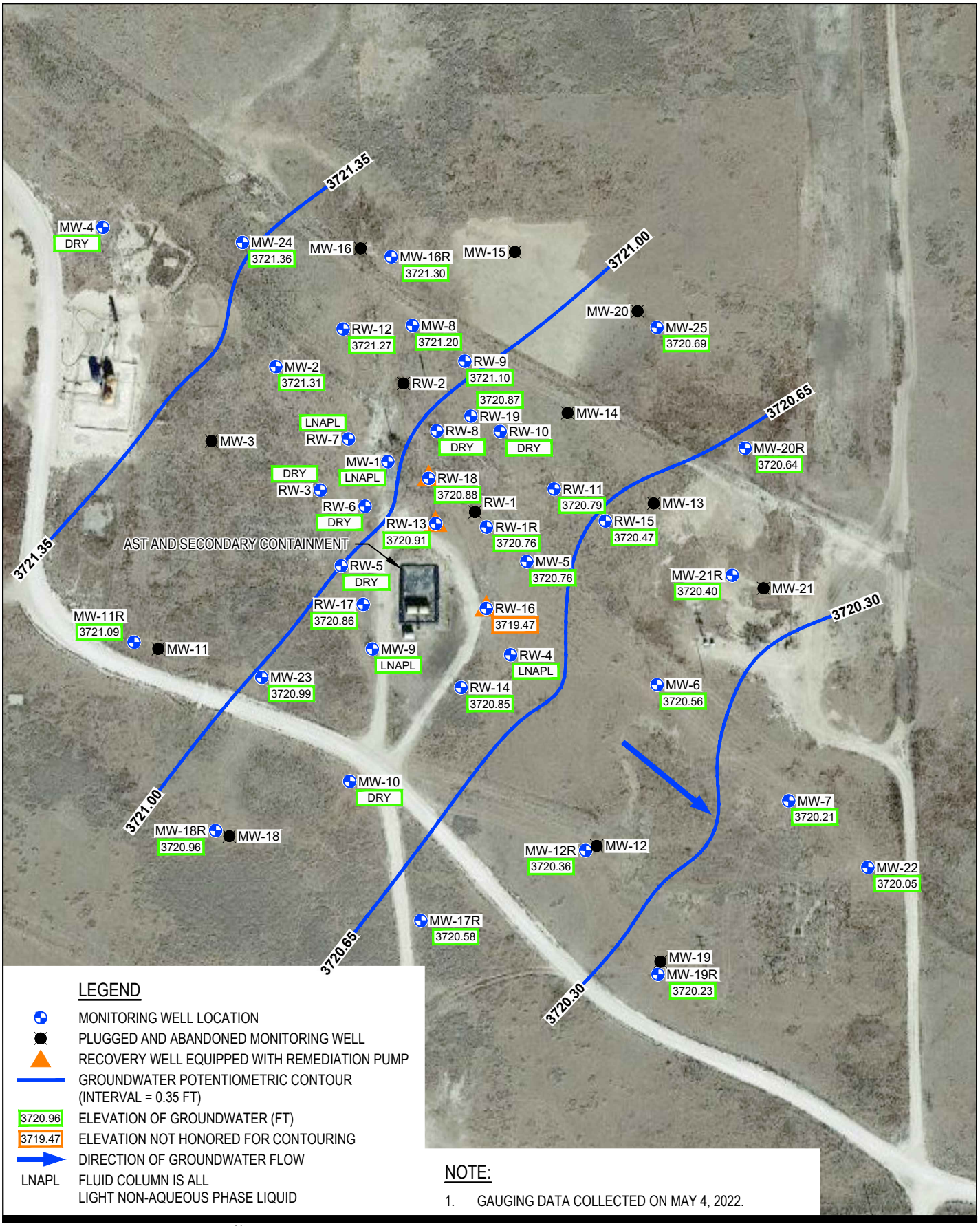
GROUNDWATER GRADIENT MAP
FEBRUARY 10 AND 25, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 3

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:07 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.35 FT)
- 3720.96 — ELEVATION OF GROUNDWATER (FT)
- 3719.47 — ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW
- LNAPL — FLUID COLUMN IS ALL LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

1. GAUGING DATA COLLECTED ON MAY 4, 2022.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

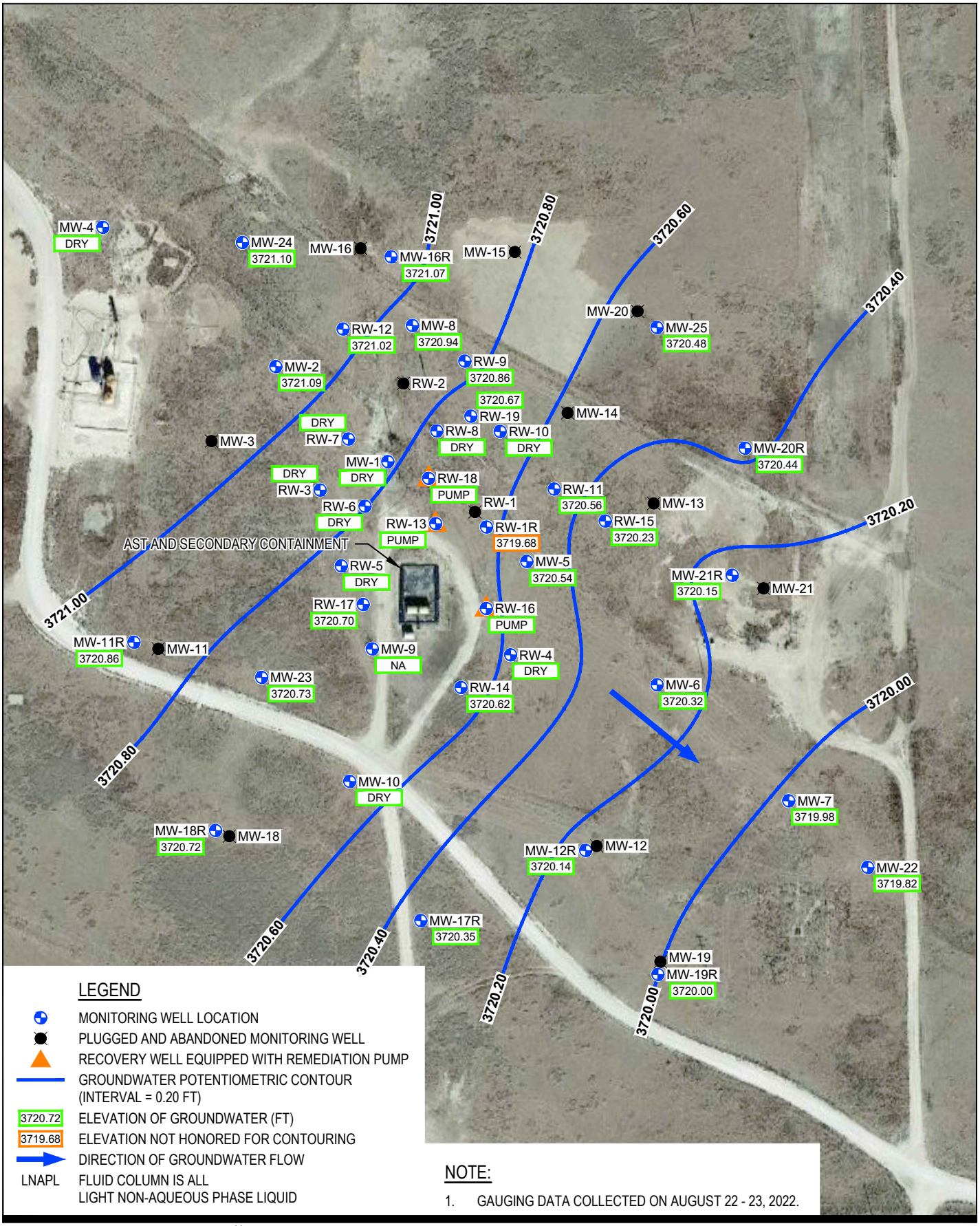
GROUNDWATER GRADIENT MAP
MAY 4, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 4

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:07 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.20 FT)
- 3720.72 — ELEVATION OF GROUNDWATER (FT)
- 3719.68 — ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW
- LNAPL — FLUID COLUMN IS ALL LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

1. GAUGING DATA COLLECTED ON AUGUST 22 - 23, 2022.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

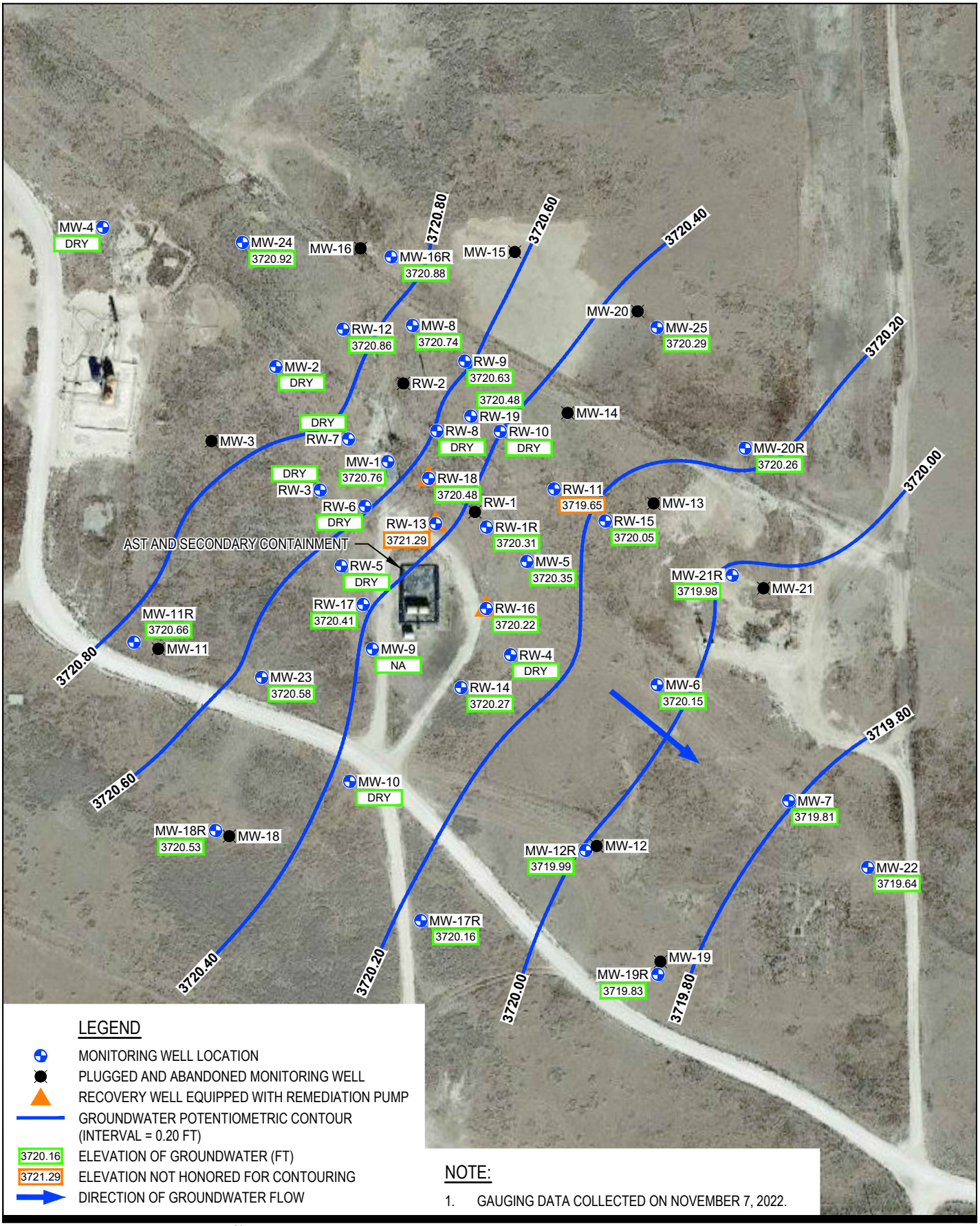
GROUNDWATER GRADIENT MAP
AUGUST 22 - 23, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 5

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:07 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.20 FT)
- 3720.16 ELEVATION OF GROUNDWATER (FT)
- 3721.29 ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. GAUGING DATA COLLECTED ON NOVEMBER 7, 2022.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER GRADIENT MAP
NOVEMBER 7, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 6

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
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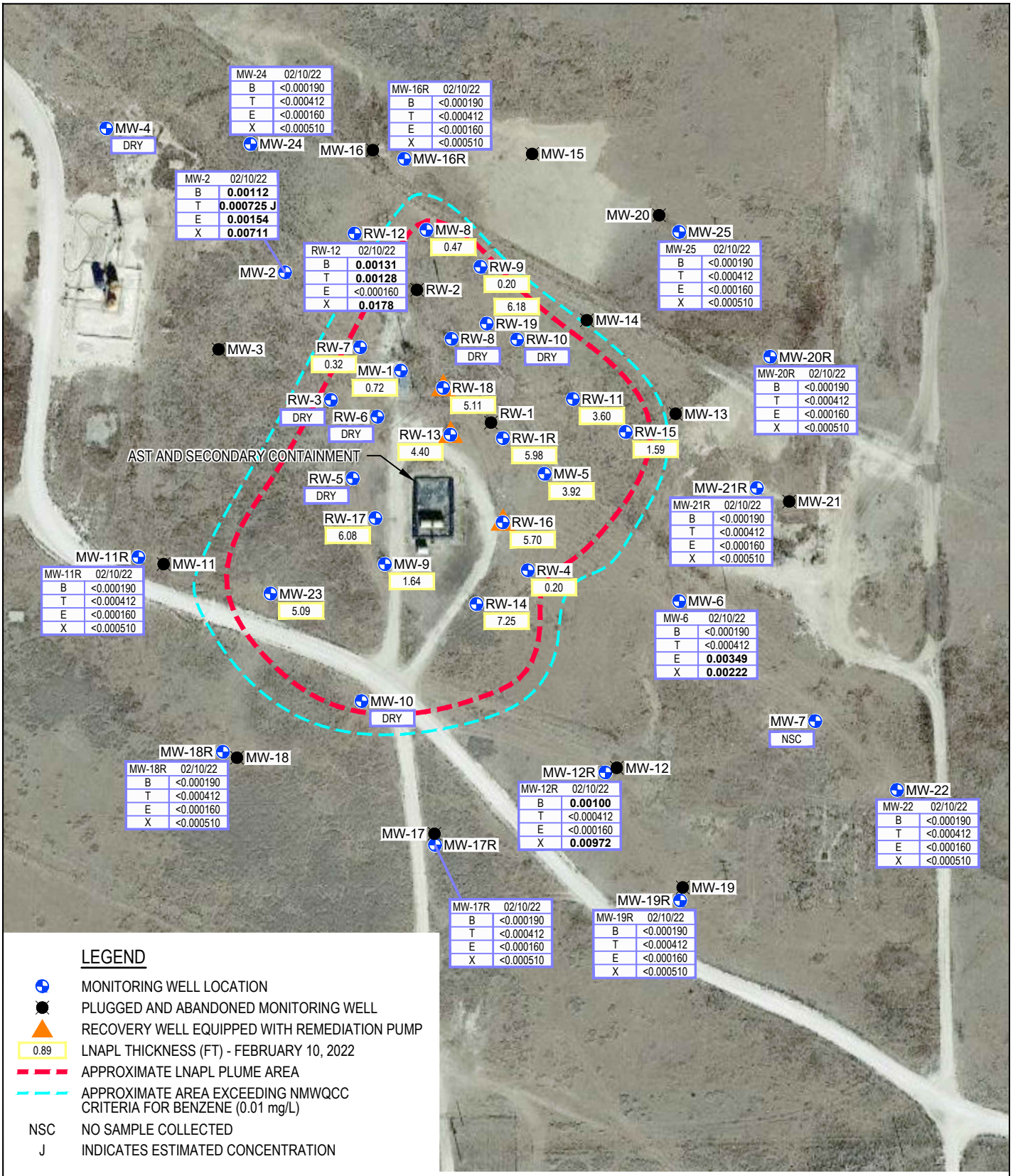
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- 0.89 — LNAPL THICKNESS (FT) - FEBRUARY 10, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NSC — NO SAMPLE COLLECTED
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	MW-2	02/10/22	DATE SAMPLED
BENZENE	B	<0.000190	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	<0.000160	
XYLENES	X	<0.000510	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON FEBRUARY 10, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

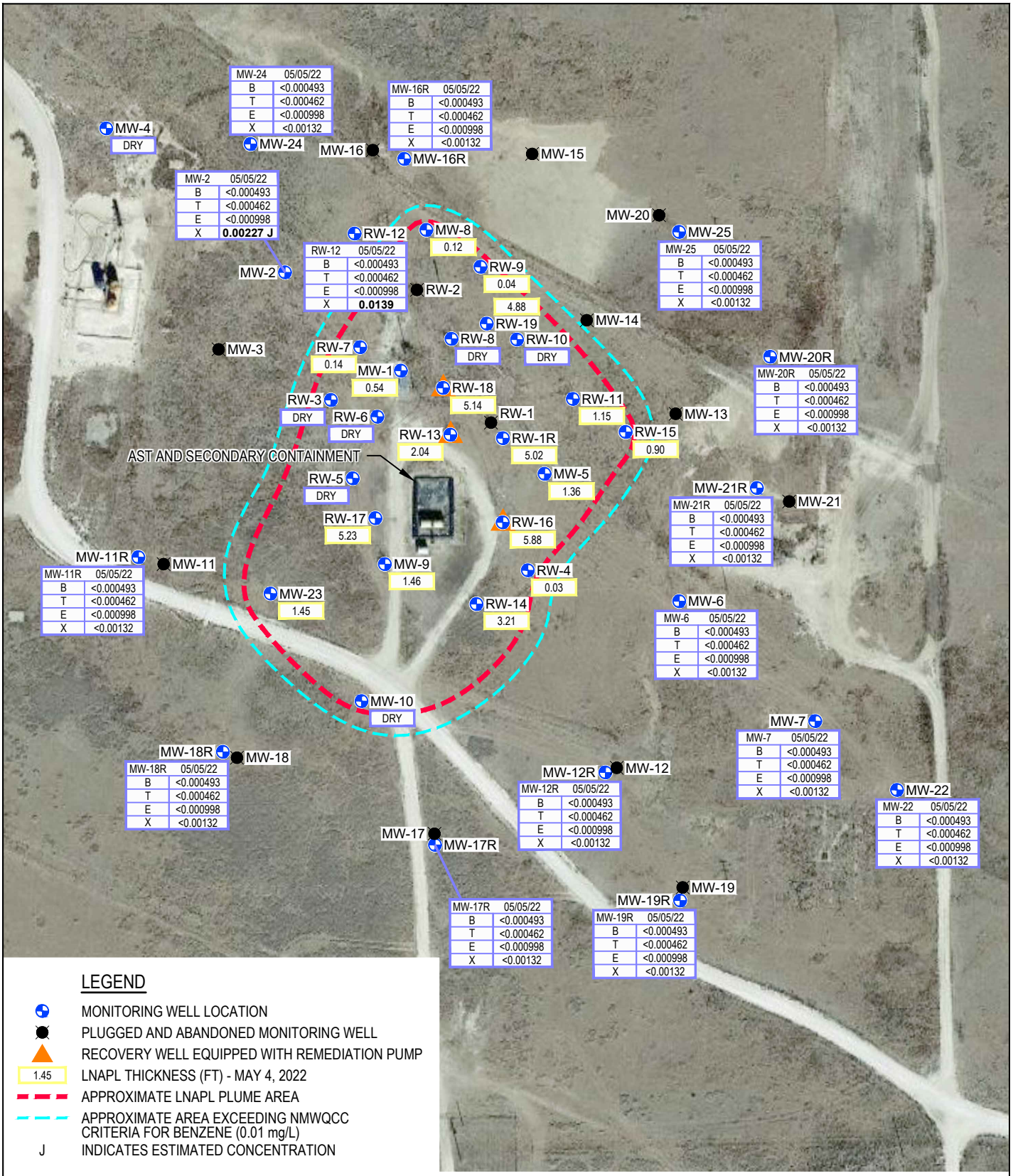
GROUNDWATER BTEX CONCENTRATION MAP
FEBRUARY 10, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 7

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:06 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- 1.45 — LNAPL THICKNESS (FT) - MAY 4, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	RW-12	05/05/22	DATE SAMPLED
BENZENE	B	<0.000493	RESULT (mg/L)
TOLUENE	T	<0.000462	
ETHYLBENZENE	E	<0.000998	
XYLENES	X	<0.00132	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON MAY 5, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 75 150 ft

N

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

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

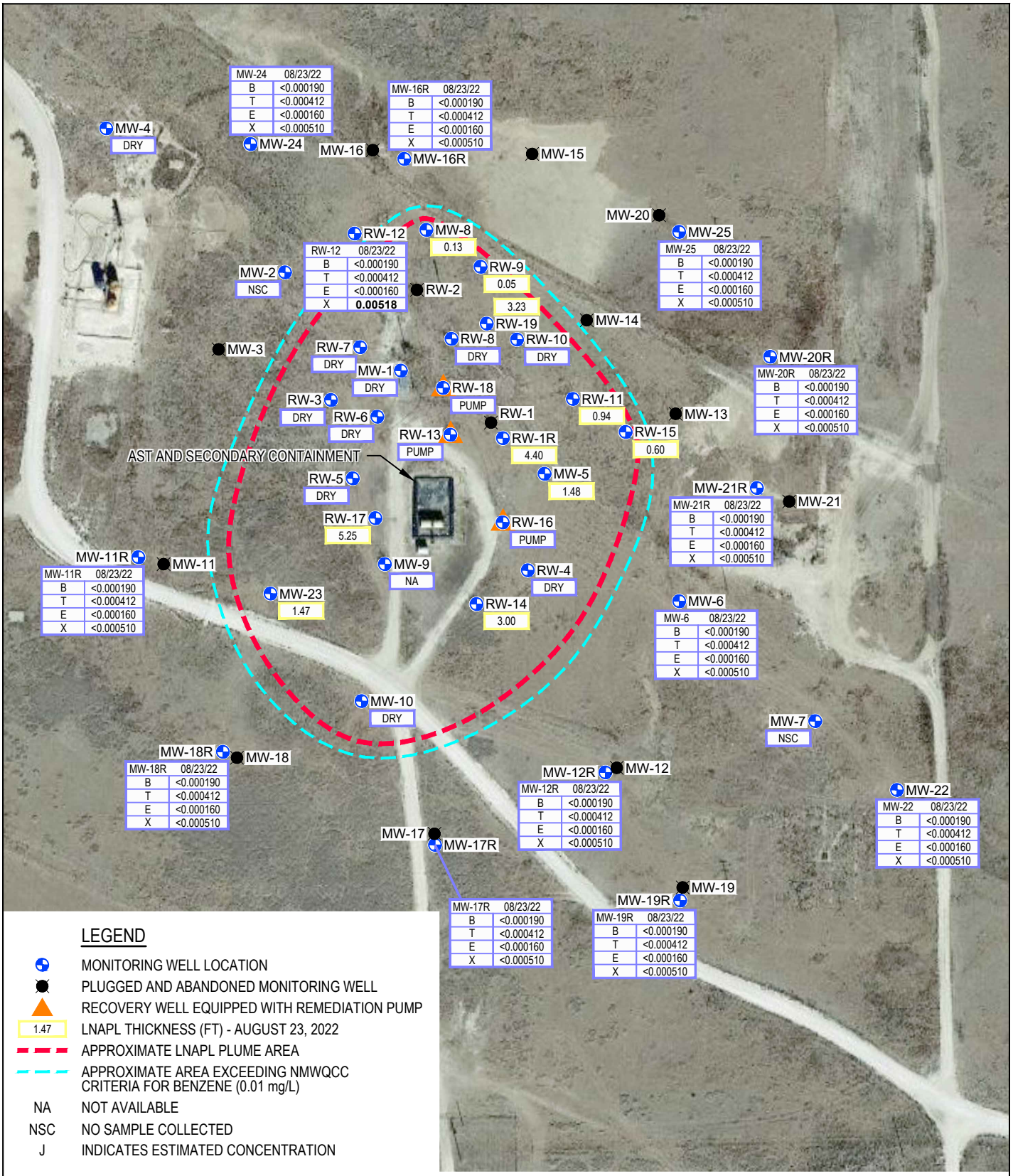
GROUNDWATER BTEX CONCENTRATION MAP
MAY 5, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 8

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:04 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- 1.47 — LNAPL THICKNESS (FT) - AUGUST 23, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NA — NOT AVAILABLE
- NSC — NO SAMPLE COLLECTED
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION — MW-18R 08/23/22 — DATE SAMPLED
BENZENE — B <0.000190 — RESULT (mg/L)
TOLUENE — T <0.000412
ETHYLBENZENE — E <0.000160
XYLENES — X <0.000510

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON AUGUST 23, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

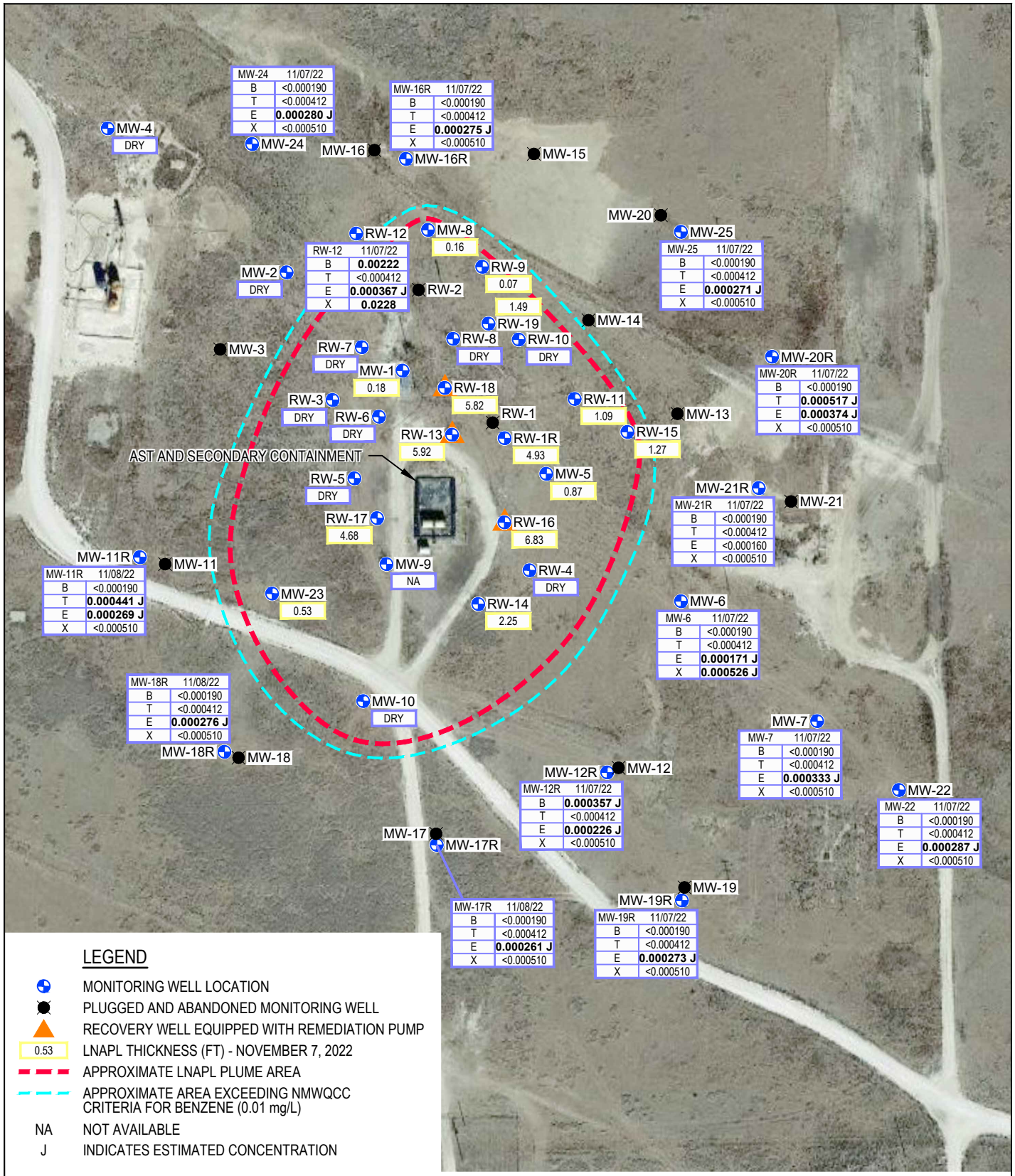
GROUNDWATER BTEX CONCENTRATION MAP
AUGUST 23, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 9

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:04 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- 0.53 — LNAPL THICKNESS (FT) - NOVEMBER 7, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NA — NOT AVAILABLE
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION — RW-12 11/07/22 — DATE SAMPLED
BENZENE — B 0.00222 — RESULT (mg/L)
TOLUENE — T <0.000412
ETHYLBENZENE — E 0.000367 J
XYLENES — X 0.0228

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON NOVEMBER 7 - 8, 2022.
2. BOLD INDICATES LABORATORY DETECTION.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL No.1 SRS DARR ANGELL #1
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP NOVEMBER 7 - 8, 2022

Project No. **12572705**
Date **March 2023**

FIGURE 10

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572705\Digital_Design\ACAD\Figures\GWR 2022\12572705-GHD-0000-RPT-EN-0101_DL-2022.dwg
Plot Date: 24 March 2023 10:04 AM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0266° North, 103.1666° West

Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SUBMIT 2 COPIES TO APPROPRIATE DISTRICT OFFICE IN ACCORDANCE WITH RULE 116 PRINTED ON BACK SIDE OF FORM

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR EOTT Energy Pipeline					ADDRESS PO Box 1660 Midland		TELEPHONE # 915/687-2040
REPORT OF	FIRE	BREAK	SPILL	LEAK ✓	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE ✓	GASO PLNT	OIL RFY	OTHER*

FACILITY NAME:

LOCATION OF FACILITY Qtr/Qtr Sec. or Footage	SEC. 11	TWP. 15S	RGE. 37E	COUNTY Lea

DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 22 miles E of Lovington off of Plains Hwy

DATE AND HOUR OF OCCURRENCE 5/1/97 2:00 PM				DATE AND HOUR OF DISCOVERY Same	
WAS IMMEDIATE NOTICE GIVEN?	YES ✓	NO	NOT REQUIRED	IF YES, TO WHOM Karen	
BY WHOM Lennah Frost				DATE AND HOUR 5-2-97 10AM	
TYPE OF FLUID LOST Crude Oil				QUANTITY OF LOSS 25bbls	VOLUME RECOVERED 15bbls
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO ✓	QUANTITY		

IF YES, DESCRIBE FULLY**

DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**
Internal Corrosion - Clamped & will replace pipe

DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**
Area is rocky. Will be excavated & disposed of at Gandy Landfarm

DESCRIPTION OF AREA	FARMING	GRAZING ✓	URBAN	OTHER*			
SURFACE CONDITIONS	SANDY	SANDY LOAM	CLAY	ROCKY ✓	WET	DRY	SNOW

DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**
Clear

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

SIGNED Lennah Frost PRINTED NAME AND TITLE Lennah Frost ENV Engr DATE 5-5-97

*SPECIFY **ATTACH ADDITIONAL SHEETS IF NECESSARY

Appendix B

Certified Laboratory Analytical Reports

ANALYTICAL REPORT

February 22, 2022

Revised Report

Plains All American, LP - GHD

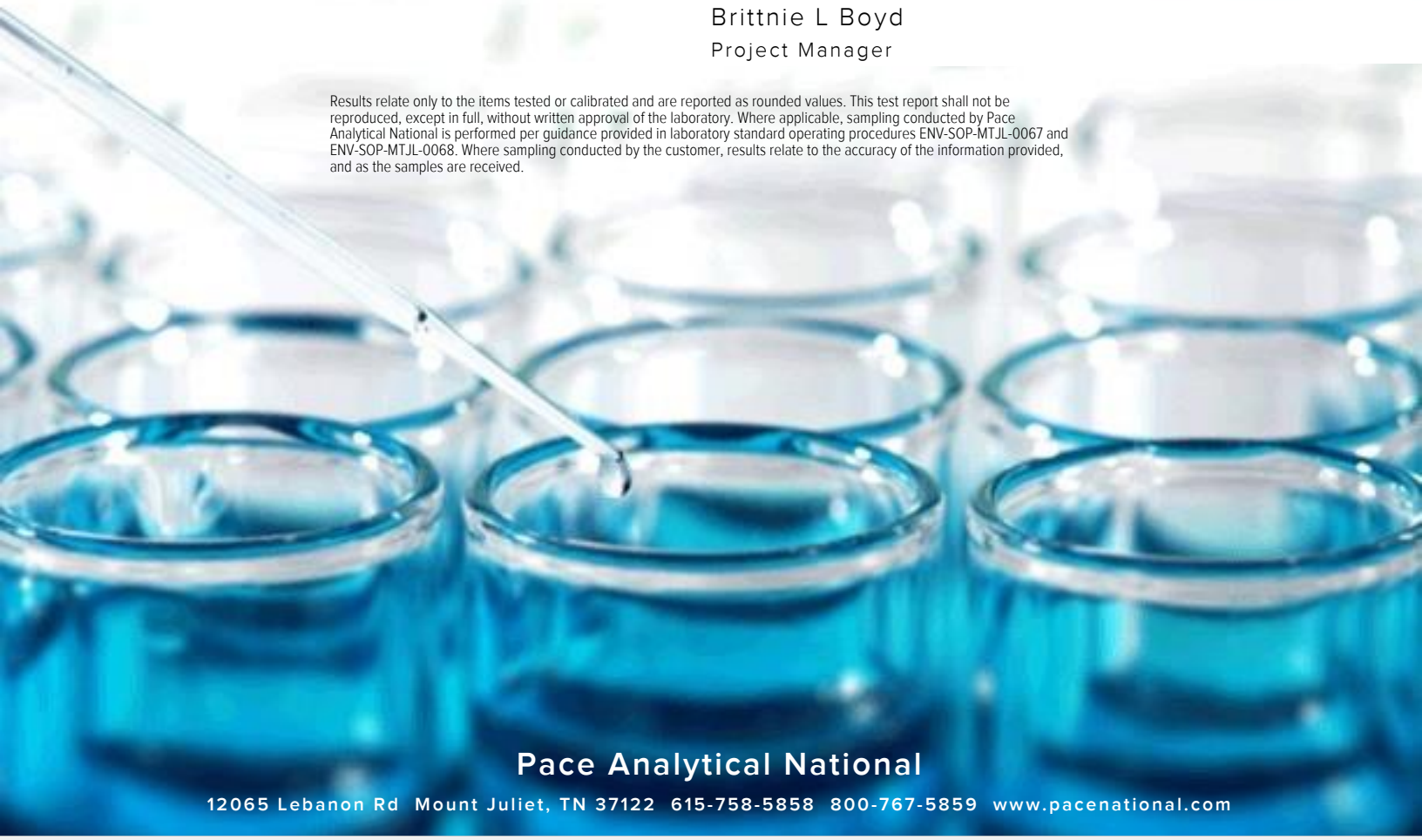
Sample Delivery Group:	L1461006
Samples Received:	02/12/2022
Project Number:	12572705/01
Description:	Darr Angell #1

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 11R L1461006-01 GW

Collected by: David R. | Collected date/time: 02/10/22 09:45 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817449	1	02/13/22 20:01	02/13/22 20:01	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1818401	1	02/16/22 13:34	02/16/22 13:34	BMB	Mt. Juliet, TN

MW 16R L1461006-02 GW

Collected by: David R. | Collected date/time: 02/10/22 10:15 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817449	1	02/13/22 20:23	02/13/22 20:23	ACG	Mt. Juliet, TN

MW 17R L1461006-03 GW

Collected by: David R. | Collected date/time: 02/10/22 10:40 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817449	1	02/13/22 20:45	02/13/22 20:45	ACG	Mt. Juliet, TN

MW 18R L1461006-04 GW

Collected by: David R. | Collected date/time: 02/10/22 11:10 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 06:00	02/14/22 06:00	ACG	Mt. Juliet, TN

MW 19R L1461006-05 GW

Collected by: David R. | Collected date/time: 02/10/22 11:35 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 06:21	02/14/22 06:21	ACG	Mt. Juliet, TN

MW 20R L1461006-06 GW

Collected by: David R. | Collected date/time: 02/10/22 12:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 06:43	02/14/22 06:43	ACG	Mt. Juliet, TN

MW 24 L1461006-07 GW

Collected by: David R. | Collected date/time: 02/10/22 12:30 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 07:04	02/14/22 07:04	ACG	Mt. Juliet, TN

MW 25 L1461006-08 GW

Collected by: David R. | Collected date/time: 02/10/22 12:55 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 07:26	02/14/22 07:26	ACG	Mt. Juliet, TN

MW 21R L1461006-09 GW

Collected by: David R. | Collected date/time: 02/10/22 13:20 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 08:39	02/14/22 08:39	ACG	Mt. Juliet, TN

MW 22 L1461006-10 GW

Collected by: David R. | Collected date/time: 02/10/22 14:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 09:00	02/14/22 09:00	ACG	Mt. Juliet, TN

MW 2 L1461006-11 GW

Collected by: David R. | Collected date/time: 02/10/22 14:30 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1821211	1	02/21/22 14:31	02/21/22 14:31	JAH	Mt. Juliet, TN

RW 12 L1461006-12 GW

Collected by: David R. | Collected date/time: 02/10/22 15:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 09:22	02/14/22 09:22	ACG	Mt. Juliet, TN

MW 6 L1461006-13 GW

Collected by: David R. | Collected date/time: 02/10/22 15:30 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 09:44	02/14/22 09:44	ACG	Mt. Juliet, TN

MW 12R L1461006-14 GW

Collected by: David R. | Collected date/time: 02/10/22 16:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 10:05	02/14/22 10:05	ACG	Mt. Juliet, TN

DUP-1 L1461006-15 GW

Collected by: David R. | Collected date/time: 02/10/22 00:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 10:27	02/14/22 10:27	ACG	Mt. Juliet, TN

DUP-2 L1461006-16 GW

Collected by: David R. | Collected date/time: 02/10/22 00:00 | Received date/time: 02/12/22 10:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1817498	1	02/14/22 10:48	02/14/22 10:48	ACG	Mt. Juliet, TN

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

Brittnie L Boyd
Project Manager

Report Revision History

Level II Report - Version 1: 02/21/22 15:36

Project Narrative

Updated sample ID

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 02/22/2022 14:44
Project Name: Darr Angell #1	Laboratory Job Number: L1461006-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817449, WG1818401, WG1817498 and WG1821211

#[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: 02/22/2022 14:44
Project Name: Darr Angell #1	Laboratory Job Number: L1461006-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817449, WG1818401, WG1817498 and WG1821211

#[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: 02/22/2022 14:44
Project Name: Darr Angell #1	Laboratory Job Number: L1461006-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817449, WG1818401, WG1817498 and WG1821211

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

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/13/2022 20:01	WG1817449
Toluene	U		0.000412	0.00100	0.00100	1	02/13/2022 20:01	WG1817449
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/13/2022 20:01	WG1817449
Total Xylene	U		0.000510	0.00150	0.00150	1	02/16/2022 13:34	WG1818401
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*02/13/2022 20:01*	WG1817449
(S) a,a,a-Trifluorotoluene(PID)	*99.4*				*79.0-125*		*02/16/2022 13:34*	WG1818401

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	02/13/2022 20:23	WG1817449
Toluene	U		0.000412	0.00100	0.00100	1	02/13/2022 20:23	WG1817449
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/13/2022 20:23	WG1817449
Total Xylene	U		0.000510	0.00150	0.00150	1	02/13/2022 20:23	WG1817449
(S) a,a,a-Trifluorotoluene(PID)	*98.3*				*79.0-125*		*02/13/2022 20:23*	WG1817449

Cp
Tc
Ss
Cn
Tr
Sr
Qc
Gl
Al
Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/13/2022 20:45	WG1817449
Toluene	U		0.000412	0.00100	0.00100	1	02/13/2022 20:45	WG1817449
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/13/2022 20:45	WG1817449
Total Xylene	U		0.000510	0.00150	0.00150	1	02/13/2022 20:45	WG1817449
(S) a,a,a-Trifluorotoluene(PID)	*98.2*				*79.0-125*		*02/13/2022 20:45*	WG1817449

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	02/14/2022 06:00	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 06:00	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 06:00	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 06:00	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 06:00*	WG1817498

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	02/14/2022 06:21	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 06:21	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 06:21	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 06:21	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 06:21*	WG1817498

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	02/14/2022 06:43	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 06:43	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 06:43	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 06:43	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/14/2022 06:43*	WG1817498

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	02/14/2022 07:04	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 07:04	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 07:04	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 07:04	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 07:04*	WG1817498

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	02/14/2022 07:26	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 07:26	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 07:26	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 07:26	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 07:26*	WG1817498

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

MW-21R
Collected date/time: 02/10/22 13:20
L1461006

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	02/14/2022 08:39	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 08:39	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 08:39	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 08:39	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 08:39*	WG1817498

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	02/14/2022 09:00	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 09:00	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 09:00	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 09:00	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 09:00*	WG1817498

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	0.00112		0.000190	0.000500	0.000500	1	02/21/2022 14:31	WG1821211
Toluene	0.000725	J	0.000412	0.00100	0.00100	1	02/21/2022 14:31	WG1821211
Ethylbenzene	0.00154		0.000160	0.000500	0.000500	1	02/21/2022 14:31	WG1821211
Total Xylene	0.00711	B	0.000510	0.00150	0.00150	1	02/21/2022 14:31	WG1821211
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/21/2022 14:31*	WG1821211

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	0.00131		0.000190	0.000500	0.000500	1	02/14/2022 09:22	WG1817498
Toluene	0.00128		0.000412	0.00100	0.00100	1	02/14/2022 09:22	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 09:22	WG1817498
Total Xylene	0.0178		0.000510	0.00150	0.00150	1	02/14/2022 09:22	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*99.8*				*79.0-125*		*02/14/2022 09:22*	WG1817498

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	02/14/2022 09:44	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 09:44	WG1817498
Ethylbenzene	0.00349		0.000160	0.000500	0.000500	1	02/14/2022 09:44	WG1817498
Total Xylene	0.00222		0.000510	0.00150	0.00150	1	02/14/2022 09:44	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 09:44*	WG1817498

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	0.00100		0.000190	0.000500	0.000500	1	02/14/2022 10:05	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 10:05	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 10:05	WG1817498
Total Xylene	0.00972		0.000510	0.00150	0.00150	1	02/14/2022 10:05	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/14/2022 10:05*	WG1817498

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	02/14/2022 10:27	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 10:27	WG1817498
Ethylbenzene	0.00487		0.000160	0.000500	0.000500	1	02/14/2022 10:27	WG1817498
Total Xylene	0.00534		0.000510	0.00150	0.00150	1	02/14/2022 10:27	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/14/2022 10:27*	WG1817498

DUP-2
Collected date/time: 02/10/22 00:00
L1461006

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	0.000897		0.000190	0.000500	0.000500	1	02/14/2022 10:48	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 10:48	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 10:48	WG1817498
Total Xylene	0.00913		0.000510	0.00150	0.00150	1	02/14/2022 10:48	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*99.8*				*79.0-125*		*02/14/2022 10:48*	WG1817498

Method Blank (MB)

(MB) R3760251-3 02/13/22 17:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	0.000248	J	0.000190	0.000500
Toluene	0.00196		0.000412	0.00100
Ethylbenzene	0.00101		0.000160	0.000500
Total Xylene	0.00692		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*97.2*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3760251-1 02/13/22 16:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0481	96.2	77.0-122	
Toluene	0.0500	0.0445	89.0	80.0-121	
Ethylbenzene	0.0500	0.0472	94.4	80.0-123	
Total Xylene	0.150	0.136	90.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*97.3*	*79.0-125*	

Method Blank (MB)

(MB) R3761955-2 02/14/22 05:26

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)	*102*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3761955-1 02/14/22 04:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0464	92.8	77.0-122	
Toluene	0.0500	0.0492	98.4	80.0-121	
Ethylbenzene	0.0500	0.0478	95.6	80.0-123	
Total Xylene	0.150	0.171	114	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*101*	*79.0-125*	

L1461006-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461006-04 02/14/22 06:00 • (MS) R3761955-3 02/14/22 14:02 • (MSD) R3761955-4 02/14/22 14:23

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	0.0500	U	0.0502	0.0510	100	102	1	10.0-160			1.58	21
Toluene	0.0500	U	0.0528	0.0538	106	108	1	12.0-148			1.88	21
Ethylbenzene	0.0500	U	0.0512	0.0524	102	105	1	22.0-149			2.32	21
Total Xylene	0.150	U	0.183	0.187	122	125	1	13.0-155			2.16	21
(S) a,a,a-Trifluorotoluene(PID)					*101*	*101*		*79.0-125*				

Method Blank (MB)

(MB) R3760882-3 02/16/22 10:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Total Xylene	0.000886	J	0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*99.1*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3760882-1 02/16/22 08:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Xylene	0.150	0.139	92.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*98.8*	*79.0-125*	

Method Blank (MB)

(MB) R3762157-4 02/21/22 07:07

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	0.00104	J	0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*99.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3762157-1 02/21/22 04:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0571	114	77.0-122	
Toluene	0.0500	0.0516	103	80.0-121	
Ethylbenzene	0.0500	0.0544	109	80.0-123	
Total Xylene	0.150	0.156	104	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*98.6*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.

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 1

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

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #1**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **12572705/01**

Lab Project # **PLAINSGHD-12572705**

SDG # 1461006

Collected by (print): David Fletcher

Site/Facility ID #

P.O. #

Acctnum: **PLAINSGHD**

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

Date Results Needed

Quote #

Template: **T202555**

Prelogin: **P900168**

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 11R	GRAB	GW	N4	2-10-22	945	3	X		01
MW 16R		GW			1015				02
MW 17R		GW			1040				03
MW 18R		GW			1110				04
MW 19R		GW			1135				05
MW 20R		GW			1200				06
MW 24		GW			1230				07
MW 25		GW			1255				08
MW 21R		GW			1320				09
MW 22		GW			1400				10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier SWA

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	2-11-22	800		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	2-11-22	17:00	SWA	NSA 6 2.0+0=2.0 48
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time: Hold: Condition:
				2/12/22 1045 NCF / OK

If preservation required by Login: Date/Time

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

2135 S Loop 250 W
Midland, TX 79703

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

Pres Chk

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #1**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **12572705/01**

Lab Project # **PLAINSGHD-12572705**

Collected by (print): David Hatch

Collected by (signature): David Hatch

Immediately Packed on Ice N ___ Y ✓

Site/Facility ID #

P.O. #

Quote #

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

Date Results Needed

Analysis / Container / Preservative

BTEX 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs		Remarks	Sample # (lab only)
mw 2	GRAB	GW	NA	2-10-22	1430	3	✓		11
Rw 12		GW			1500				12
Mw 6		GW			1530				13
mw 12		GW			1600				14
DUP-1		GW							15
DUP-2		GW							16
		GW							
		GW							
		GW							
		GW							

Chain of Custody Page 2 of 2

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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 # 1461006

Table #

Acctnum: **PLAINSGHD**
Template: **T202555**
Prelogin: **P900168**
PM: **823 - Olivia Studebaker**
PB:

Shipped Via:

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

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample 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)
David Hatch	2-11-22	800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2-11-22	17:00	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Date: 2/12/22 Time: 1045

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.0+0.2=2.0 °C Bottles Received: 48

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

2135 S Loop 250 W
Midland, TX 79703

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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #1**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **12572705/01**

Lab Project # **PLAINSGHD-12572705**

Collected by (print): David Fletcher

Collected by (signature): David Fletcher

Immediately Packed on Ice N ___ Y ✓

Site/Facility ID #

P.O. #

Quote #

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

Date Results Needed

SDG # 1461006

Ta G033

Acctnum: PLAINSGHD

Template: T202555

Prelogin: P900168

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 11R	Grab	GW	NA	2-11-22	945	3	✓		01
MW 16R		GW			1015				02
MW 17R		GW			1040				03
MW 18R		GW			1110				04
MW 19R		GW			1135				05
MW 20R		GW			1200				06
MW 24		GW			1230				07
MW 25		GW			1255				08
MW 21R		GW			1320				09
MW 22		GW			1400				10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier SWA

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	2-11-22	800			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	2-11-22	17:00	SwA	NSA 6 2.0+0.0=2.0 48	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				2/12/22 1045	

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 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

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #1**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **12572705/01**

Lab Project # **PLAINSGHD-12572705**

SDG # 146006

Table #

Acctnum: **PLAINSGHD**

Template: **T202555**

Prelogin: **P900168**

PM: **823 - Olivia Studebaker**

PB:

Shipped Via:

Collected by (print): David Fletcher

Collected by (signature): David Fletcher

Immediately Packed on Ice N ___ Y X

Site/Facility ID #

P.O. #

Quote #

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

Date Results Needed

No. of Cntrs

BTEX 40ml Amb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40ml Amb-HCl	Remarks	Sample # (lab only)
MW 2	GRAB	GW	NA	2-10-22	1430	3	X		11
RW 12		GW			1500				12
MW 6		GW			1530				13
MW-RR ~~MW-12~~ (MW-6)		GW			1600				14
DUP-1		GW							15
DUP-2		GW							16
		GW							
		GW							
		GW							
		GW							

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
David Fletcher	2-11-22	800	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2-11-22	1700	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Olivia Sistrunk

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 2.0+0.2=2.0 °C

Bottles Received: 48

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Date: 2/12/22 Time: 1045

ANALYTICAL REPORT

April 01, 2022

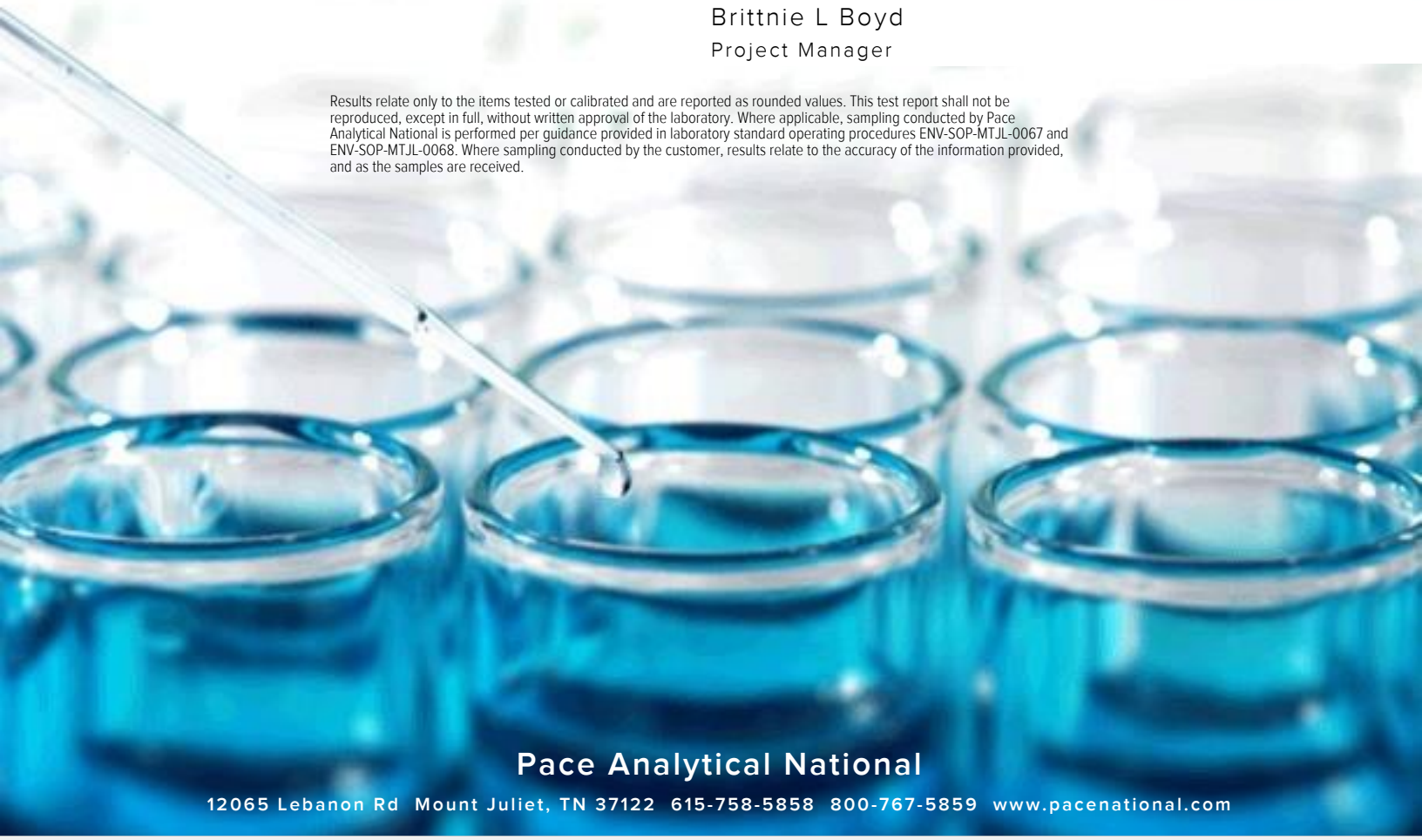
Plains All American, LP - GHD

Sample Delivery Group:	L1476235
Samples Received:	03/29/2022
Project Number:	11209891/01
Description:	Plains Darr 1 SRS-LF 1999-62

Report To: Becky Haskell
2135 S Loop 250 W
Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager



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

TABLE OF CONTENTS

D1-PUMP ON-3-28-22 L1476235-01 Air

Collected by: David Fletcher
Collected date/time: 03/28/22 13:00
Received date/time: 03/29/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1840580	10	03/30/22 16:49	03/30/22 16:49	MBF	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1841225	20	03/31/22 15:56	03/31/22 15:56	CEP	Mt. Juliet, TN

D1-PUMP OFF-3-28-22 L1476235-02 Air

Collected by: David Fletcher
Collected date/time: 03/28/22 13:15
Received date/time: 03/29/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1839965	1	03/30/22 01:01	03/30/22 01:01	CEP	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1840580	20	03/30/22 11:59	03/30/22 11:59	MBF	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

Revised May 2010

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 04/01/2022 10:04
Project Name: Plains Darr 1 SRS-LF 1999-62	Laboratory Job Number: L1476235-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965, WG1840580 and WG1841225

#[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			1
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: 04/01/2022 10:04
Project Name: Plains Darr 1 SRS-LF 1999-62	Laboratory Job Number: L1476235-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965, WG1840580 and WG1841225

#[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: 04/01/2022 10:04
Project Name: Plains Darr 1 SRS-LF 1999-62	Laboratory Job Number: L1476235-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965, WG1840580 and WG1841225

ER #[1]	Description
1	M18-Mod WG1839965 1,4-Bromofluorobenzene L1476235-02: Percent Recovery 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 (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	4.00	12.8	995	3180		20	WG1841225
Toluene	108-88-3	92.10	10.0	37.7	1140	4290		20	WG1841225
Ethylbenzene	100-41-4	106	2.00	8.67	236	1020		10	WG1840580
m&p-Xylene	1330-20-7	106	4.00	17.3	995	4310		10	WG1840580
o-Xylene	95-47-6	106	2.00	8.67	351	1520		10	WG1840580
Methyl tert-butyl ether	1634-04-4	88.10	2.00	7.21	ND	ND		10	WG1840580
TPH (GC/MS) Low Fraction	8006-61-9	101	4000	16500	106000	438000		20	WG1841225
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*131*				WG1840580
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*111*				WG1841225

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	4.00	12.8	135	431		20	WG1840580
Toluene	108-88-3	92.10	10.0	37.7	194	731		20	WG1840580
Ethylbenzene	100-41-4	106	0.200	0.867	52.3	227		1	WG1839965
m&p-Xylene	1330-20-7	106	8.00	34.7	207	897		20	WG1840580
o-Xylene	95-47-6	106	0.200	0.867	90.4	392		1	WG1839965
Methyl tert-butyl ether	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1839965
TPH (GC/MS) Low Fraction	8006-61-9	101	4000	16500	13900	57400		20	WG1840580
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*149*		J1		WG1839965
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*106*				WG1840580

Sample Narrative:

L1476235-02 WG1839965: Surrogate failure due to matrix interference

Method Blank (MB)

(MB) R3775521-2 03/29/22 11:34

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Ethylbenzene	U		0.0835	0.200
o-Xylene	U		0.0828	0.200
MTBE	U		0.0647	0.200
(S) 1,4-Bromofluorobenzene	*96.3*			*60.0-140*

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

(LCS) R3775521-1 03/29/22 10:54 • (LCSD) R3775521-3 03/30/22 03:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	3.75	3.78	4.01	101	107	70.0-130			5.91	25
o-Xylene	3.75	3.81	3.94	102	105	70.0-130			3.35	25
MTBE	3.75	3.82	3.97	102	106	70.0-130			3.85	25
(S) 1,4-Bromofluorobenzene				*101*	*99.4*	*60.0-140*				

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

Method Blank (MB)

(MB) R3775945-3 03/30/22 10:16

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
MTBE	U		0.0647	0.200
TPH (GC/MS) Low Fraction	52.5	J	39.7	200
(S) 1,4-Bromofluorobenzene	*101*			*60.0-140*

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

(LCS) R3775945-1 03/30/22 09:16 • (LCSD) R3775945-2 03/30/22 09:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	3.75	3.67	3.58	97.9	95.5	70.0-130			2.48	25
Toluene	3.75	3.83	3.76	102	100	70.0-130			1.84	25
Ethylbenzene	3.75	3.83	3.76	102	100	70.0-130			1.84	25
m&p-Xylene	7.50	7.96	7.73	106	103	70.0-130			2.93	25
o-Xylene	3.75	3.89	3.81	104	102	70.0-130			2.08	25
MTBE	3.75	3.95	3.85	105	103	70.0-130			2.56	25
TPH (GC/MS) Low Fraction	203	214	210	105	103	70.0-130			1.89	25
(S) 1,4-Bromofluorobenzene				*104*	*104*	*60.0-140*				

Method Blank (MB)

(MB) R3776244-2 03/31/22 10:21

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	*91.6*			*60.0-140*

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

(LCS) R3776244-1 03/31/22 09:38 • (LCSD) R3776244-3 03/31/22 11:21

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	3.75	4.35	4.38	116	117	70.0-130			0.687	25
Toluene	3.75	4.23	4.27	113	114	70.0-130			0.941	25
TPH (GC/MS) Low Fraction	203	234	233	115	115	70.0-130			0.428	25
(S) 1,4-Bromofluorobenzene				*93.9*	*95.7*	*60.0-140*				

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.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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.
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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Plains All American LP-GHD
2135 Loop 250 W
Midland TX 79703

Billing Information:

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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: Plains Dora 1 523 Dora Argoll

City/State Collected:

Phone: 432-250-7517
Fax:

Client Project #

Lab Project #

L# 1476235
H207

Collected by (print): David Fletcher

Site/Facility ID #

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

No. of Cntrs

M18 - MOD TEDLAR

Acctnum:
Template:
Prelogin:
TSR:
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
D1 - Pump On - 3-28-22	Grab	AIR	NA	3-28-22	1300	2		-01
D1 - Pump off - 3-28-22	↓	↓	↓	↓	1315	↓		-02

* 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 # 5163 7712 3201

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
David Fletcher	3-28-22	1600		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1 °C Bottles Received: 4	
	3/28/22	1700	FedEx		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/29/22 Time: 0900	Hold: Condition: NCF / OK

ANALYTICAL REPORT

May 19, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1490694
Samples Received:	05/07/2022
Project Number:	SRS DARR ANGELL #1
Description:	Darr Angell #1
Site:	SRS SRS DARR ANGELL #1
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

MW-11R-050522 L1490694-01 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 09:13 | 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 20:40	05/10/22 20:40	ZST	Allen, TX

MW-16R-050522 L1490694-02 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 09:40 | 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 20:58	05/10/22 20:58	ZST	Allen, TX

MW-17R-050522 L1490694-03 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 09:55 | 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 21:16	05/10/22 21:16	ZST	Allen, TX

MW-18R-050522 L1490694-04 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 10:20 | 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 21:34	05/10/22 21:34	ZST	Allen, TX

MW-19R-050522 L1490694-05 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 10:56 | 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 21:51	05/10/22 21:51	ZST	Allen, TX

MW-20R-050522 L1490694-06 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 11:19 | 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 22:09	05/10/22 22:09	ZST	Allen, TX

MW-21R-050522 L1490694-07 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 11:48 | 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 22:27	05/10/22 22:27	ZST	Allen, TX

MW-22-050522 L1490694-08 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 12:22 | 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 22:45	05/10/22 22:45	ZST	Allen, TX

MW-24-050522 L1490694-09 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 12:59 | 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 23:03	05/10/22 23:03	ZST	Allen, TX

MW-25-050522 L1490694-10 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 13:21 | 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	WG1862433	1	05/11/22 22:18	05/11/22 22:18	ZST	Allen, TX

MW-7-050522 L1490694-11 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 13:50 | 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	WG1862433	1	05/11/22 22:36	05/11/22 22:36	ZST	Allen, TX

MW-6-050522 L1490694-12 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 14:13 | 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	WG1862433	1	05/11/22 22:54	05/11/22 22:54	ZST	Allen, TX

MW-12R-050522 L1490694-13 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 14:49 | 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	WG1862433	1	05/11/22 23:12	05/11/22 23:12	ZST	Allen, TX

MW-2-050522 L1490694-14 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 15:12 | 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	WG1862433	1	05/11/22 23:30	05/11/22 23:30	ZST	Allen, TX

RW-12-050522 L1490694-15 GW

Collected by: David Fletcher | Collected date/time: 05/05/22 15:45 | 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	WG1862433	1	05/11/22 23:48	05/11/22 23:48	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

Revised May 2010

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 05/19/2022 10:50
Project Name: Darr Angell #1	Laboratory Job Number: L1490694-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14 and 15
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861796 and WG1862433

#[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: 05/19/2022 10:50
Project Name: Darr Angell #1	Laboratory Job Number: L1490694-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14 and 15
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861796 and WG1862433

#[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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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: 05/19/2022 10:50
Project Name: Darr Angell #1	Laboratory Job Number: L1490694-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14 and 15
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1861796 and WG1862433

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 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 20:40	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 20:40	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 20:40	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 20:40	WG1861796
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*05/10/2022 20:40*	WG1861796
(S) 4-Bromofluorobenzene	*100*				*70.0-130*		*05/10/2022 20:40*	WG1861796
(S) Toluene-d8	*121*				*70.0-130*		*05/10/2022 20:40*	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 20:58	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 20:58	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 20:58	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 20:58	WG1861796
(S) 1,2-Dichloroethane-d4	*124*				*70.0-130*		*05/10/2022 20:58*	WG1861796
(S) 4-Bromofluorobenzene	*97.3*				*70.0-130*		*05/10/2022 20:58*	WG1861796
(S) Toluene-d8	*97.6*				*70.0-130*		*05/10/2022 20:58*	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 21:16	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 21:16	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 21:16	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 21:16	WG1861796
(S) 1,2-Dichloroethane-d4	*125*				*70.0-130*		*05/10/2022 21:16*	WG1861796
(S) 4-Bromofluorobenzene	*98.3*				*70.0-130*		*05/10/2022 21:16*	WG1861796
(S) Toluene-d8	*98.3*				*70.0-130*		*05/10/2022 21:16*	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 21:34	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 21:34	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 21:34	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 21:34	WG1861796
(S) 1,2-Dichloroethane-d4	*124*				*70.0-130*		*05/10/2022 21:34*	WG1861796
(S) 4-Bromofluorobenzene	*97.3*				*70.0-130*		*05/10/2022 21:34*	WG1861796
(S) Toluene-d8	*98.5*				*70.0-130*		*05/10/2022 21:34*	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 21:51	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 21:51	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 21:51	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 21:51	WG1861796
(S) 1,2-Dichloroethane-d4	*124*				*70.0-130*		*05/10/2022 21:51*	WG1861796
(S) 4-Bromofluorobenzene	*99.6*				*70.0-130*		*05/10/2022 21:51*	WG1861796
(S) Toluene-d8	*97.7*				*70.0-130*		*05/10/2022 21:51*	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 22:09	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 22:09	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 22:09	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 22:09	WG1861796
(S) 1,2-Dichloroethane-d4	*125*				*70.0-130*		*05/10/2022 22:09*	WG1861796
(S) 4-Bromofluorobenzene	*96.8*				*70.0-130*		*05/10/2022 22:09*	WG1861796
(S) Toluene-d8	*99.6*				*70.0-130*		*05/10/2022 22:09*	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 22:27	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 22:27	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 22:27	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 22:27	WG1861796
(S) 1,2-Dichloroethane-d4	*125*				*70.0-130*		*05/10/2022 22:27*	WG1861796
(S) 4-Bromofluorobenzene	*98.7*				*70.0-130*		*05/10/2022 22:27*	WG1861796
(S) Toluene-d8	*98.1*				*70.0-130*		*05/10/2022 22:27*	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 22:45	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 22:45	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 22:45	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 22:45	WG1861796
(S) 1,2-Dichloroethane-d4	*125*				*70.0-130*		*05/10/2022 22:45*	WG1861796
(S) 4-Bromofluorobenzene	*103*				*70.0-130*		*05/10/2022 22:45*	WG1861796
(S) Toluene-d8	*97.8*				*70.0-130*		*05/10/2022 22:45*	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 23:03	WG1861796
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/10/2022 23:03	WG1861796
Toluene	U		0.000998	0.00500	0.00500	1	05/10/2022 23:03	WG1861796
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/10/2022 23:03	WG1861796
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*05/10/2022 23:03*	WG1861796
(S) 4-Bromofluorobenzene	*97.1*				*70.0-130*		*05/10/2022 23:03*	WG1861796
(S) Toluene-d8	*99.2*				*70.0-130*		*05/10/2022 23:03*	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	05/11/2022 22:18	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 22:18	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 22:18	WG1862433
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/11/2022 22:18	WG1862433
(S) 1,2-Dichloroethane-d4	*111*				*70.0-130*		*05/11/2022 22:18*	WG1862433
(S) 4-Bromofluorobenzene	*97.5*				*70.0-130*		*05/11/2022 22:18*	WG1862433
(S) Toluene-d8	*98.2*				*70.0-130*		*05/11/2022 22:18*	WG1862433

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	05/11/2022 22:36	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 22:36	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 22:36	WG1862433
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/11/2022 22:36	WG1862433
(S) 1,2-Dichloroethane-d4	*108*				*70.0-130*		*05/11/2022 22:36*	WG1862433
(S) 4-Bromofluorobenzene	*96.7*				*70.0-130*		*05/11/2022 22:36*	WG1862433
(S) Toluene-d8	*98.6*				*70.0-130*		*05/11/2022 22:36*	WG1862433

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	05/11/2022 22:54	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 22:54	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 22:54	WG1862433
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/11/2022 22:54	WG1862433
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*05/11/2022 22:54*	WG1862433
(S) 4-Bromofluorobenzene	*95.7*				*70.0-130*		*05/11/2022 22:54*	WG1862433
(S) Toluene-d8	*98.8*				*70.0-130*		*05/11/2022 22:54*	WG1862433

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	05/11/2022 23:12	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 23:12	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 23:12	WG1862433
Xylenes, Total	U		0.00132	0.00600	0.00600	1	05/11/2022 23:12	WG1862433
(S) 1,2-Dichloroethane-d4	*105*				*70.0-130*		*05/11/2022 23:12*	WG1862433
(S) 4-Bromofluorobenzene	*100*				*70.0-130*		*05/11/2022 23:12*	WG1862433
(S) Toluene-d8	*100*				*70.0-130*		*05/11/2022 23:12*	WG1862433

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	05/11/2022 23:30	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 23:30	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 23:30	WG1862433
Xylenes, Total	0.00227	J	0.00132	0.00600	0.00600	1	05/11/2022 23:30	WG1862433
(S) 1,2-Dichloroethane-d4	*104*				*70.0-130*		*05/11/2022 23:30*	WG1862433
(S) 4-Bromofluorobenzene	*93.6*				*70.0-130*		*05/11/2022 23:30*	WG1862433
(S) Toluene-d8	*105*				*70.0-130*		*05/11/2022 23:30*	WG1862433

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	05/11/2022 23:48	WG1862433
Ethylbenzene	U		0.000462	0.00200	0.00200	1	05/11/2022 23:48	WG1862433
Toluene	U		0.000998	0.00500	0.00500	1	05/11/2022 23:48	WG1862433
Xylenes, Total	0.0139		0.00132	0.00600	0.00600	1	05/11/2022 23:48	WG1862433
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*05/11/2022 23:48*	WG1862433
(S) 4-Bromofluorobenzene	*97.8*				*70.0-130*		*05/11/2022 23:48*	WG1862433
(S) Toluene-d8	*99.6*				*70.0-130*		*05/11/2022 23:48*	WG1862433

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*				

Method Blank (MB)

(MB) R3790916-2 05/11/22 16:03

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	*98.0*			*70.0-130*
(S) Toluene-d8	*98.5*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3790916-1 05/11/22 14:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0200	0.0201	101	73.0-131	
Ethylbenzene	0.0200	0.0209	105	76.0-129	
Toluene	0.0200	0.0187	93.5	73.0-130	
Xylenes, Total	0.0600	0.0579	96.5	78.0-124	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	
(S) 4-Bromofluorobenzene			*98.3*	*70.0-130*	
(S) Toluene-d8			*100*	*70.0-130*	

L1490694-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1490694-11 05/11/22 22:36 • (MS) R3790916-3 05/11/22 17:14 • (MSD) R3790916-4 05/11/22 17:32

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	0.0209	0.0202	105	101	1	74.0-130			3.41	20
Ethylbenzene	0.0200	U	0.0224	0.0219	112	110	1	77.0-127			2.26	20
Toluene	0.0200	U	0.0204	0.0199	102	99.5	1	74.0-127			2.48	20
Xylenes, Total	0.0600	U	0.0613	0.0593	102	98.8	1	71.0-133			3.32	20
(S) 1,2-Dichloroethane-d4					*97.4*	*96.1*		*70.0-130*				
(S) 4-Bromofluorobenzene					*99.1*	*98.7*		*70.0-130*				
(S) Toluene-d8					*100*	*99.7*		*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	T104704232-22-35
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.

Chain of Custody

Page 1 of 1

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

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 #1

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project #: SRS Darr Angell #1

Lab Project #: SRS Darr Angell #1

L# L1490694

Collected by (print): David Fletcher

Site/Facility ID #: SRS SRS Darr Angell #1

P.O. #

Table #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed: Standard TAT Per SSOW

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-11R-050522	GRAB	GW	NA	5-5-22	913	3	X	-01	
MW-16R-050522					940			-02	
MW-17R-050522					955			-03	
MW-18R-050522					1020			-04	
MW-19R-050522					1056			-05	
MW-20R-050522					1119			-06	
MW-21R-050522					1148			-07	
MW-22-050522					1222			-08	
MW-24-050522					1259			-09	
MW-25-050522					1321			-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-12572705

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)	Trip Blank Received: Yes / No HCL / MeoH TBR
David Fletcher	5-6-22	1600		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	5/6/22	1700	SWA	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
	5/7/22	800		5/7/22 800

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 #1

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS Darr Angell #1

Lab Project # SRS Darr Angell #1

L# L1490694

Collected by (print): David Fletcher

Site/Facility ID # SRS SRS Darr Angell #1

P.O. #

Table #

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

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

BTEX 8021B 40mLAmb-HCL

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Remarks	Sample # (lab only)
MW-7-050522	GRAB	GW	NA	5-5-22	1350		-11	
MW-6-050522	↓	↓	↓	↓	1413		-12	
MW-12R-050522	↓	↓	↓	↓	1449		-13	
MW-2-050522	↓	↓	↓	↓	1512		-14	
RW-12-050522	↓	↓	↓	↓	1545		-15	

* 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-12572705

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
	5/7/22	800	5/7/22 800

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: °C Bottles Received:

If preservation required by Login: Date/Time

Date: Time:

Hold:

Condition: NCF / OK

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

Sample Condition Upon Receipt

☑Dallas ☐Ft Worth ☐Corpus Christi ☐Austin

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

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

Tracking #: _____

L1490694

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

June 13, 2022

Revised Report

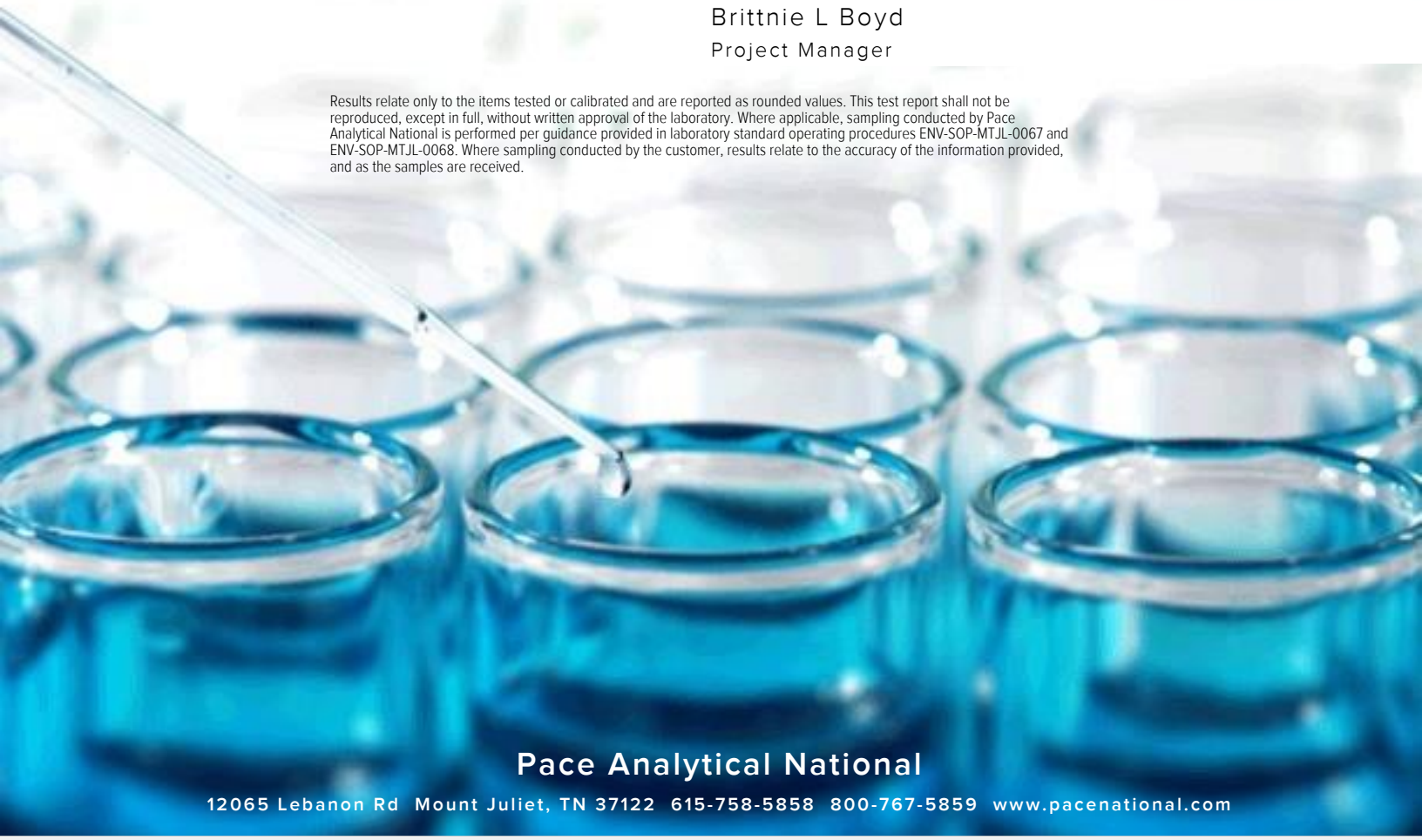
Plains All American, LP - GHD

Sample Delivery Group:	L1501760
Samples Received:	06/07/2022
Project Number:	SRS DARR ANGELL #1
Description:	Darr Angell #1
Site:	SRS SRS DARR ANGELL #1
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

SAMPLE SUMMARY

DARR-1-ON-060622 L1501760-01 Air

Collected by: Mitchell Clemens
Collected date/time: 06/06/22 12:00
Received date/time: 06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1875535	2000	06/07/22 22:37	06/07/22 22:37	MBF	Mt. Juliet, TN

DARR-1-OFF-060622 L1501760-04 Air

Collected by: Mitchell Clemens
Collected date/time: 06/06/22 12:10
Received date/time: 06/07/22 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1875535	2000	06/08/22 00:03	06/08/22 00:03	MBF	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: 06/13/22 08:38

Project Narrative

Removed duplicate samples per client.

Corrected Project Information

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: 06/13/2022 09:20
Project Name: Darr Angell #1	Laboratory Job Number: L1501760-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535 and WG1876366

#[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: 06/13/2022 09:20
Project Name: Darr Angell #1	Laboratory Job Number: L1501760-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535 and WG1876366

#[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: 06/13/2022 09:20
Project Name: Darr Angell #1	Laboratory Job Number: L1501760-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535 and WG1876366

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 (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	400	1280	38100	122000		2000	WG1875535
Toluene	108-88-3	92.10	1000	3770	63400	239000		2000	WG1875535
Ethylbenzene	100-41-4	106	400	1730	13300	57700		2000	WG1875535
m&p-Xylene	1330-20-7	106	800	3470	54100	235000		2000	WG1875535
o-Xylene	95-47-6	106	400	1730	17100	74100		2000	WG1875535
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1875535
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	4210000	17400000		2000	WG1875535
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG1875535

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	400	1280	37400	119000		2000	WG1875535
Toluene	108-88-3	92.10	1000	3770	64100	241000		2000	WG1875535
Ethylbenzene	100-41-4	106	400	1730	13300	57700		2000	WG1875535
m&p-Xylene	1330-20-7	106	800	3470	55000	238000		2000	WG1875535
o-Xylene	95-47-6	106	400	1730	17600	76300		2000	WG1875535
Methyl tert-butyl ether	1634-04-4	88.10	400	1440	ND	ND		2000	WG1875535
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	4160000	17200000		2000	WG1875535
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*104*				WG1875535

Method Blank (MB)

(MB) R3800601-3 06/07/22 18:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
MTBE	U		0.0647	0.200
TPH (GC/MS) Low Fraction	59.7	J	39.7	200
(S) 1,4-Bromofluorobenzene	*96.1*			*60.0-140*

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

(LCS) R3800601-1 06/07/22 17:43 • (LCSD) R3800601-2 06/07/22 18:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	3.75	3.88	3.83	103	102	70.0-130			1.30	25
Toluene	3.75	3.97	3.95	106	105	70.0-130			0.505	25
Ethylbenzene	3.75	4.13	4.12	110	110	70.0-130			0.242	25
m&p-Xylene	7.50	8.69	8.66	116	115	70.0-130			0.346	25
o-Xylene	3.75	4.23	4.26	113	114	70.0-130			0.707	25
MTBE	3.75	3.87	3.81	103	102	70.0-130			1.56	25
TPH (GC/MS) Low Fraction	203	249	248	123	122	70.0-130			0.402	25
(S) 1,4-Bromofluorobenzene				*102*	*102*	*60.0-140*				

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

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

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

Report to: **Becky Haskell**

Email To: **becky.haskell@ghd.com**

Project Description: **Darr Angell #2**

City/State Collected: **Lovington, NM**

Phone: **432-250-7917**
Fax:

Client Project # **SRS-LF 1999-62**

Lab Project # **SRS-LF 1999-62**

Collected by (print): Mitchell Clemens

Site/Facility ID # **SRS-LF 1999-62**

P.O. #

Collected by (signature): Mitchell Clemens

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed: **Standard TAT Per SSOW**

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TVHC-EPA 8015D	BTEX-EPA 8021B	Remarks	Sample # (lab only)
Darr-1-on-060622	Grab	AIR	-	6/6/22	1200	1				-01
Darr-1-off-060622					1200					-02
Darr-1-on-060622					1210					-03
Darr-1-off-060622					1210					-04

Chain of Custody

Pace Analytical®
National Center for Testing & Innovation

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

L# L1501760
J085

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

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

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572707

pH _____ Temp _____
Flow _____ Other _____

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

Tracking # 5719 6177 8249

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)
Mitchell Clemens	6/6/22	1530	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	6/6/22	1700	FedEx
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: AMB °C Bottles Received: 4

Date: 6/7/22 Time: 0845

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

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

Report to: Becky Haskell

Email To: becky.haskell@ghd.com

Project Description: Darr Angell #1

City/State Collected: Lovington, NM

Phone: 432-250-7917
Fax:

Client Project # SRS Darr Angell #1

Lab Project # SRS Darr Angell #1

Collected by (print): Mitch Clemens

Site/Facility ID # SRS SRS Darr Angell #1

P.O. #

Collected by (signature):

Immediately Packed on Ice N X 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

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TVHC-EPA 8015D	BTEX-EPA 8021B								Remarks	Sample # (lab only)
Darr-1-ON-060622	G	AIR	-	06/06/22	1300	1	X	X									
Darr-1-OFF-060622	G	AIR	-	06/06/22	1210	1	X	X									

Chain of Custody Page 1 of 1

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 #

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

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

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572705

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)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

September 02, 2022

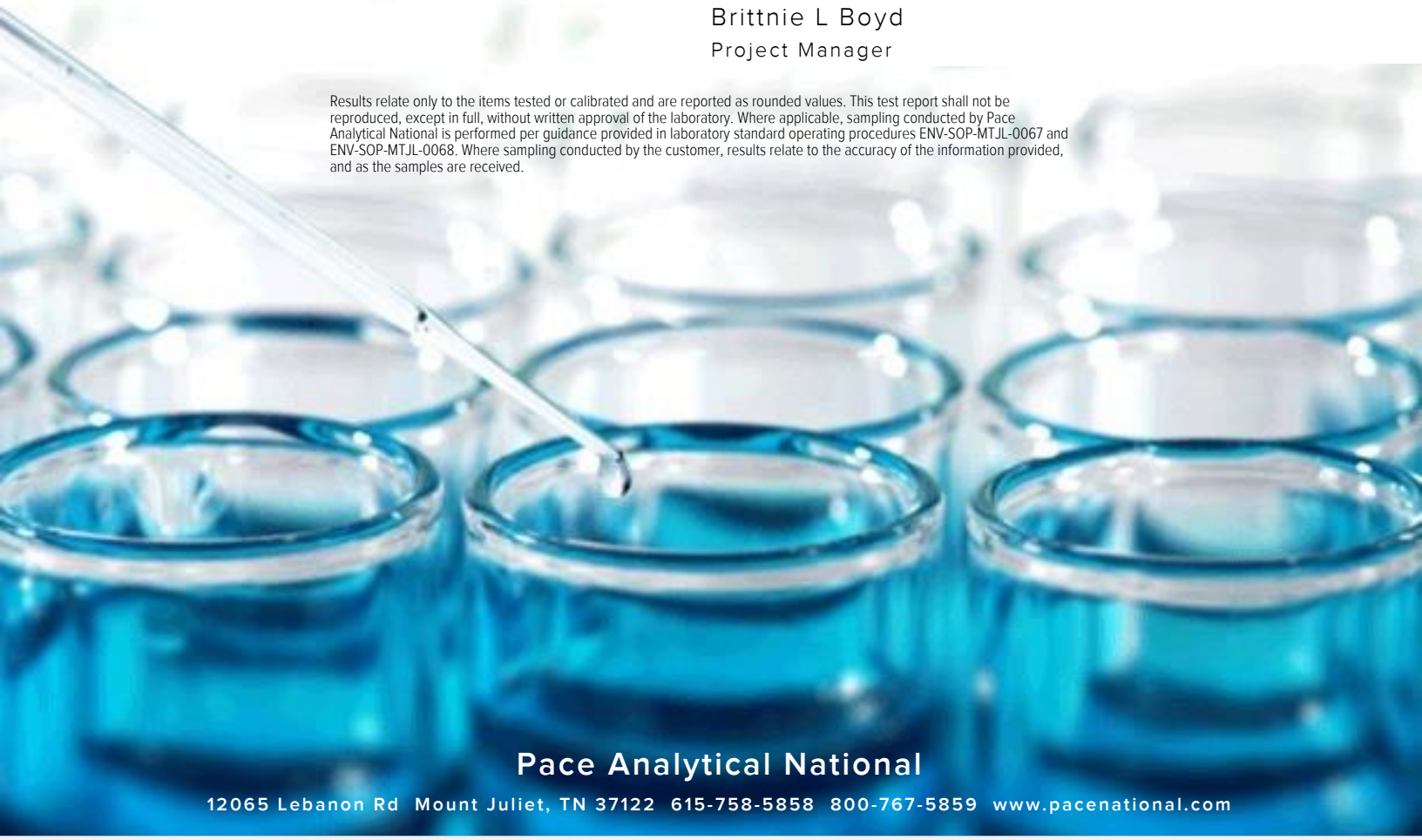
Plains All American, LP - GHD

Sample Delivery Group:	L1529279
Samples Received:	08/25/2022
Project Number:	SR52003-00338
Description:	Darr Angell #1

Report To: Matthew Laughlin
2135 S Loop 250 W
Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager



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

TABLE OF CONTENTS

MW-24-082322 L1529279-01 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 10:20 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 21:13	08/29/22 21:13	BAM	Mt. Juliet, TN

MW-16R-082322 L1529279-02 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 10:45 | Received date/time: 08/25/22 08:00

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

RW-12-082322 L1529279-03 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 11:10 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 22:28	08/29/22 22:28	BAM	Mt. Juliet, TN

MW-25-082322 L1529279-04 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 11:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 23:14	08/29/22 23:14	BAM	Mt. Juliet, TN

MW-2DR-082322 L1529279-05 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 12:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 23:36	08/29/22 23:36	BAM	Mt. Juliet, TN

MW-21R-082322 L1529279-06 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 13:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/29/22 23:57	08/29/22 23:57	BAM	Mt. Juliet, TN

MW-6-082322 L1529279-07 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 13:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 00:19	08/30/22 00:19	BAM	Mt. Juliet, TN

MW-22-082322 L1529279-08 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 14:20 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 00:40	08/30/22 00:40	BAM	Mt. Juliet, TN

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

MW-19R-082322 L1529279-09 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 15:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 01:02	08/30/22 01:02	BAM	Mt. Juliet, TN

MW-12R-082322 L1529279-10 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 15:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 01:23	08/30/22 01:23	BAM	Mt. Juliet, TN

MW-17R-082322 L1529279-11 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 15:50 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 02:21	08/30/22 02:21	BAM	Mt. Juliet, TN

MW-18R-082322 L1529279-12 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 16:10 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 02:43	08/30/22 02:43	BAM	Mt. Juliet, TN

MW-11R-082322 L1529279-13 GW

Collected by: Mitchell Clemens | Collected date/time: 08/23/22 16:30 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917920	1	08/30/22 03:04	08/30/22 03:04	BAM	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

Revised May 2010

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 09/02/2022 09:19
Project Name: Darr Angell #1	Laboratory Job Number: L1529279-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917920

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

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

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 09/02/2022 09:19
Project Name: Darr Angell #1	Laboratory Job Number: L1529279-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917920

#[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: 09/02/2022 09:19
Project Name: Darr Angell #1	Laboratory Job Number: L1529279-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917920

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

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 21:13	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 21:13	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 21:13	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 21:13	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.2*				*79.0-125*		*08/29/2022 21:13*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 22:06	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 22:06	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 22:06	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 22:06	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.8*				*79.0-125*		*08/29/2022 22:06*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 22:28	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 22:28	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 22:28	WG1917920
Total Xylene	0.00518		0.000510	0.00150	0.00150	1	08/29/2022 22:28	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*96.4*				*79.0-125*		*08/29/2022 22:28*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 23:14	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 23:14	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 23:14	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 23:14	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.9*				*79.0-125*		*08/29/2022 23:14*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 23:36	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 23:36	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 23:36	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 23:36	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*99.4*				*79.0-125*		*08/29/2022 23:36*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 23:57	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 23:57	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 23:57	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 23:57	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.4*				*79.0-125*		*08/29/2022 23:57*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 00:19	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 00:19	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 00:19	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 00:19	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*96.3*				*79.0-125*		*08/30/2022 00:19*	WG1917920

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	08/30/2022 00:40	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 00:40	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 00:40	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 00:40	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.3*				*79.0-125*		*08/30/2022 00:40*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 01:02	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 01:02	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 01:02	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 01:02	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*08/30/2022 01:02*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 01:23	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 01:23	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 01:23	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 01:23	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.1*				*79.0-125*		*08/30/2022 01:23*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 02:21	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 02:21	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 02:21	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 02:21	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*08/30/2022 02:21*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 02:43	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 02:43	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 02:43	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 02:43	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*98.8*				*79.0-125*		*08/30/2022 02:43*	WG1917920

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/30/2022 03:04	WG1917920
Toluene	U		0.000412	0.00100	0.00100	1	08/30/2022 03:04	WG1917920
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/30/2022 03:04	WG1917920
Total Xylene	U		0.000510	0.00150	0.00150	1	08/30/2022 03:04	WG1917920
(S) a,a,a-Trifluorotoluene(PID)	*99.4*				*79.0-125*		*08/30/2022 03:04*	WG1917920

Method Blank (MB)

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

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

Laboratory Control Sample (LCS)

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

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

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
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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 ___ of ___

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

Report to: Becky Haskell

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

Project Description: Darr Angell #1

City/State Collected:

Please Circle: PT MT CT ET

Phone: 432-686-0086

Client Project # ~~12572705/01~~ SR52003-00338

Lab Project # ~~PLAINSGHD-12572705~~ SR52003-00338

SDG # L151979

E182

Collected by (print): Mitchell Clemens

Site/Facility ID #

P.O. #

Collected by (signature): Mitchell Clemens

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed: Standard TAT

Acctnum: PLAINSGHD
Template: T202555
Prelogin: P921201
PM: 829 - Brittnie L Boyd
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-24-082322	Grab	GW	-	8-23-22	1020	3	X		01
MW-16R-082322		GW		8-23-22	1045				02
AW-12-082322		GW			1110				03
MW-25-082322		GW			1145				04
MW-20R-082322		GW			1230				05
MW-21R-082322		GW			1300				06
MW-6-082322		GW			1330				07
~~MW-7-082322~~ (do not test →)		~~GW~~			~~1350~~				~~08~~
MW-22-082322		GW			1420				09
MW-19R-082322		GW			1500				10

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

Remarks:
1) report to soil's concentrations
2) flag estimated
3) lab project # plains GHD-12572705

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
Mitchell Clemens	8-24-22	0710			
	8/24/22	1100	SWA	Temp: 5.9 °C Bottles Received: 42	
	Date:	Time:	Received for lab by: (Signature)	Date: 8/25/22 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

Pres Chk

Report to:
Becky Haskell

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

Project Description:
Darr Angell #1

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project #
12572705/01
SR52003-00338

Lab Project #
PLAINSGHD-12572705
SR52003-00338

Collected by (print):
Mitch Clemens

Site/Facility ID #

P.O. #

Collected by (signature):
Mitchell Clemens

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed
Standard TAT

No. of Cntrs

Analysis / Container / Preservative

BTEX 40ml Amb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40ml Amb-HCl	Remarks	Sample # (lab only)
MW-12R-082322	Grab	GW	-	8-23-22	1530		X		10
MW-17R-082322	"	GW	"	"	1550				11
MW-18R-082322	"	GW	"	"	1610				12
MW-11R-082322	↓	GW	↓	↓	1630				13
		GW							
		GW							
		GW							
		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 # L1529279

Table #

Acctnum: **PLAINSGHD**
Template: **T202555**
Prelogin: **P921201**
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

Relinquished by / (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Mitchell Clemens	8-24-22	0710			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NS/1.3 °C 5.9 for 5.1	Bottles Received:
	8/24/22	1700	SWA		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
				8/25/22	0800

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

September 16, 2022

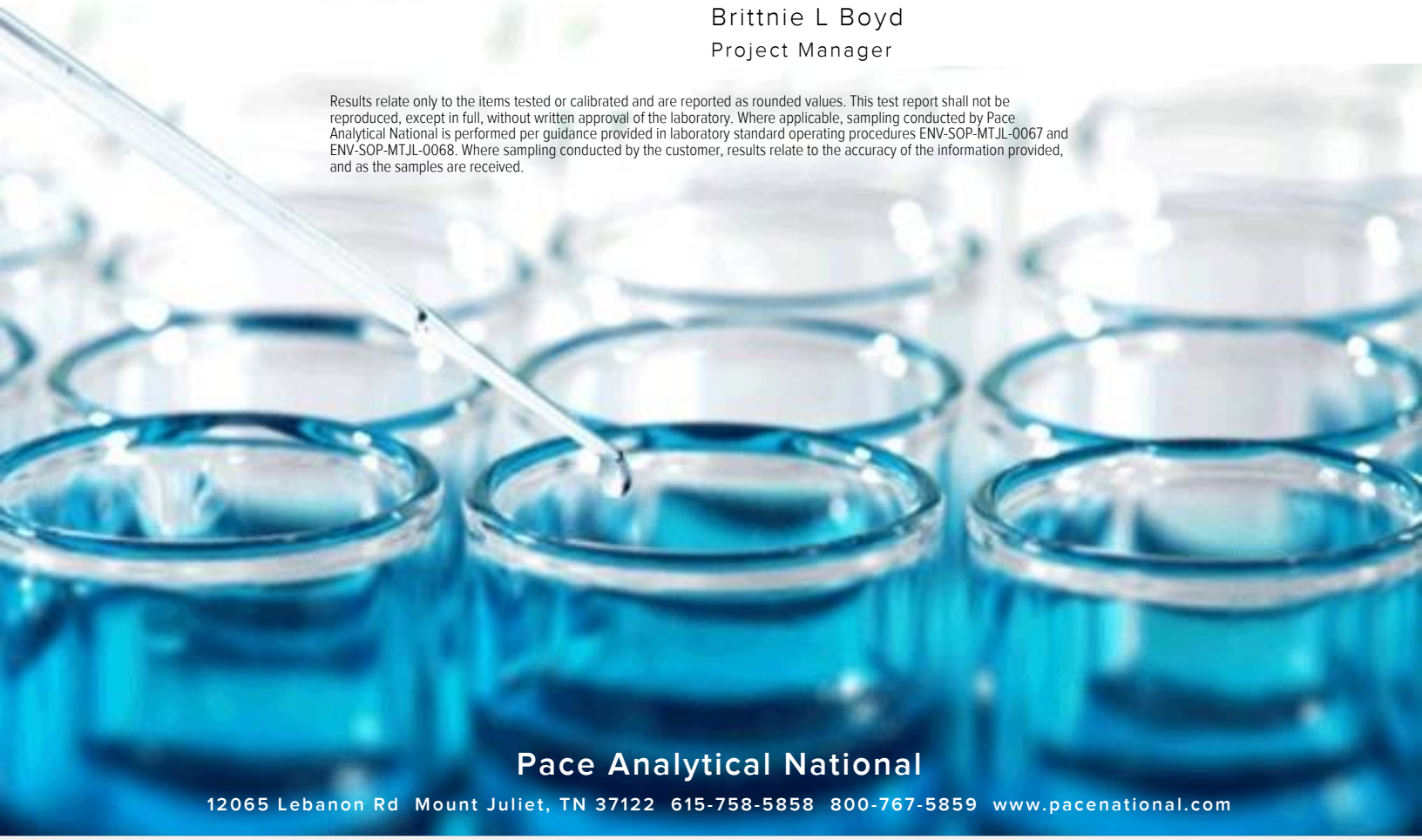
Plains All American, LP - GHD

Sample Delivery Group:	L1535418
Samples Received:	09/14/2022
Project Number:	SRS DARR ANGELL #1
Description:	Darr Angell #1
Site:	SRS SRS DARR ANGELL #1
Report To:	Matthew Laughlin 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

SAMPLE SUMMARY

DARR 1 - OFF L1535418-01 Air

			Collected by	Collected date/time	Received date/time	
				09/12/22 12:30	09/14/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1926261	800	09/15/22 02:07	09/15/22 02:07	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1927061	8000	09/15/22 20:05	09/15/22 20:05	SDS	Mt. Juliet, TN

DARR 1 - ON L1535418-02 Air

			Collected by	Collected date/time	Received date/time	
				09/12/22 13:00	09/14/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method M18-Mod	WG1926261	400	09/15/22 02:45	09/15/22 02:45	SDS	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

Laboratory Name: Pace Analytical National	LRC Date: 09/16/2022 12:54
Project Name: Darr Angell #1	Laboratory Job Number: L1535418-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1926261 and WG1927061

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

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

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 09/16/2022 12:54
Project Name: Darr Angell #1	Laboratory Job Number: L1535418-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1926261 and WG1927061

#[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: 09/16/2022 12:54
Project Name: Darr Angell #1	Laboratory Job Number: L1535418-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1926261 and WG1927061

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 (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	160	511	54500	174000		800	WG1926261
Toluene	108-88-3	92.10	4000	15100	38200	144000		8000	WG1927061
Ethylbenzene	100-41-4	106	160	694	26500	115000		800	WG1926261
m&p-Xylene	1330-20-7	106	320	1390	97900	424000		800	WG1926261
o-Xylene	95-47-6	106	160	694	33300	144000		800	WG1926261
Methyl tert-butyl ether	1634-04-4	88.10	160	577	ND	ND		800	WG1926261
TPH (GC/MS) Low Fraction	8006-61-9	101	1600000	6610000	3850000	15900000	B	8000	WG1927061
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*137*				WG1926261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.8*				WG1927061

DARR 1-ON
Collected date/time: 09/12/22 13:00
L1535418

Volatile Organic Compounds (MS) by Method M18-Mod

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	80.0	256	15200	48600		400	WG1926261
Toluene	108-88-3	92.10	200	753	26300	99100		400	WG1926261
Ethylbenzene	100-41-4	106	80.0	347	5960	25800		400	WG1926261
m&p-Xylene	1330-20-7	106	160	694	22700	98400		400	WG1926261
o-Xylene	95-47-6	106	80.0	347	7320	31700		400	WG1926261
Methyl tert-butyl ether	1634-04-4	88.10	80.0	288	ND	ND		400	WG1926261
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	2190000	9050000		400	WG1926261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*117*				WG1926261

Method Blank (MB)

(MB) R3837531-3 09/14/22 13:40

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Benzene	U		0.0715	0.200
Toluene	U		0.0870	0.500
Ethylbenzene	U		0.0835	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
MTBE	U		0.0647	0.200
TPH (GC/MS) Low Fraction	U		39.7	200
(S) 1,4-Bromofluorobenzene	*97.9*			*60.0-140*

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

(LCS) R3837531-1 09/14/22 12:19 • (LCSD) R3837531-2 09/14/22 13:00

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	3.75	3.26	3.24	86.9	86.4	70.0-130			0.615	25
Toluene	3.75	3.29	2.90	87.7	77.3	70.0-130			12.6	25
Ethylbenzene	3.75	3.32	3.22	88.5	85.9	70.0-130			3.06	25
m&p-Xylene	7.50	6.52	6.40	86.9	85.3	70.0-130			1.86	25
o-Xylene	3.75	3.18	3.16	84.8	84.3	70.0-130			0.631	25
MTBE	3.75	3.44	3.39	91.7	90.4	70.0-130			1.46	25
TPH (GC/MS) Low Fraction	203	182	191	89.7	94.1	70.0-130			4.83	25
(S) 1,4-Bromofluorobenzene				*99.6*	*99.4*	*60.0-140*				

Method Blank (MB)

(MB) R3837925-3 09/15/22 13:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Toluene	U		0.0870	0.500
TPH (GC/MS) Low Fraction	61.6	J	39.7	200
(S) 1,4-Bromofluorobenzene	*96.1*			*60.0-140*

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

(LCS) R3837925-1 09/15/22 12:39 • (LCSD) R3837925-2 09/15/22 13:09

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Toluene	3.75	4.02	4.00	107	107	70.0-130			0.499	25
TPH (GC/MS) Low Fraction	203	256	254	126	125	70.0-130			0.784	25
(S) 1,4-Bromofluorobenzene				*102*	*101*	*60.0-140*				

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

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

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

Report to: Matt Laughlin

Email To: matthew.laughlin@ghd.com

Project Description: Darr Angell #1

City/State Collected: Lovington, NM

Phone: 432-640-9715
Fax:

Client Project #: SRS Darr Angell #1

Lab Project #: SRS Darr Angell #1

Collected by (print):

Site/Facility ID #: SRS SRS Darr Angell #1

P.O. #

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

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

Quote #

Date Results Needed: Standard TAT Per SSOW

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	TVHC-EPA 8015D	BTEX-EPA 8021B	Remarks	Sample # (lab only)
Darr 1-off	Grab	Air	-	9-12-22	1230	2		X	X		-01
Darr 1-on	↓	↓	-	↓	1300	2		↓	↓		-02

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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# L1535418
F128

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

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

Remarks:
1. Report to SDLs; 2. Flag estimated concentrations;
3. Lab Project #: PLAINSGHD-12572705

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)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	If preservation required by Login: Date/Time
Mitchell Clemens	9-12-22	08:15		0	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received:
	9/13/22	9:27		AMB	4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
	9/13/22	1700	FedEx Ground	9/14/22	900

Hold: Condition: NCF / (OK)

Pace Analytical®

ANALYTICAL REPORT

November 17, 2022

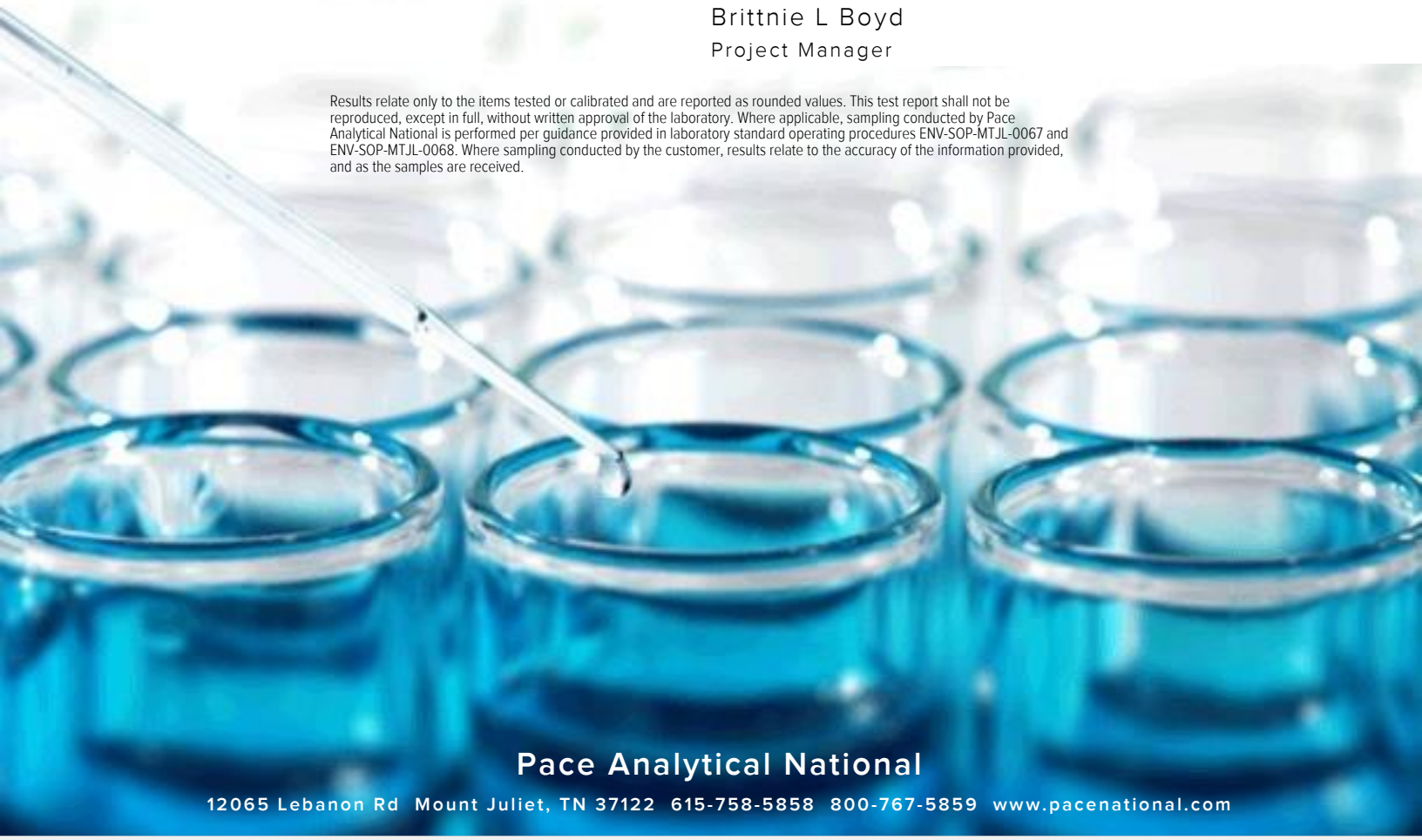
Plains All American, LP - GHD

Sample Delivery Group:	L1556531
Samples Received:	11/10/2022
Project Number:	12572705
Description:	Darr Angell #1 SRS Darr Angell #1
Site:	DARR ANGELL #1 SRS DARR ANGELL
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

D1-MW-24-110722 L1556531-01 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:15 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 13:33	11/13/22 13:33	BAM	Mt. Juliet, TN

D1-MW-25-110722 L1556531-02 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:55 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 13:55	11/13/22 13:55	BAM	Mt. Juliet, TN

D1-RW-12-110722 L1556531-03 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:25 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 14:17	11/13/22 14:17	BAM	Mt. Juliet, TN

D1-MW-22-110722 L1556531-04 GW

Collected by: ES/MC | Collected date/time: 11/07/22 14:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 14:38	11/13/22 14:38	BAM	Mt. Juliet, TN

D1-MW-21R-110722 L1556531-05 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 15:00	11/13/22 15:00	BAM	Mt. Juliet, TN

D1-MW-20R-110722 L1556531-06 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:05 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 15:22	11/13/22 15:22	BAM	Mt. Juliet, TN

D1-MW-19R-110722 L1556531-07 GW

Collected by: ES/MC | Collected date/time: 11/07/22 15:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 15:44	11/13/22 15:44	BAM	Mt. Juliet, TN

D1-MW-16R-110722 L1556531-08 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:45 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 16:07	11/13/22 16:07	BAM	Mt. Juliet, TN

D1-DUP1-110722 L1556531-09 GW

Collected by: ES/MC | Collected date/time: 11/07/22 00:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 16:29	11/13/22 16:29	BAM	Mt. Juliet, TN

D1-DUP2-110722 L1556531-10 GW

Collected by: ES/MC | Collected date/time: 11/07/22 00:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 16:51	11/13/22 16:51	BAM	Mt. Juliet, TN

D1-MW-12R-110722 L1556531-11 GW

Collected by: ES/MC | Collected date/time: 11/07/22 15:20 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 17:13	11/13/22 17:13	BAM	Mt. Juliet, TN

D1-MW-7-110722 L1556531-12 GW

Collected by: ES/MC | Collected date/time: 11/07/22 14:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 17:34	11/13/22 17:34	BAM	Mt. Juliet, TN

D1-MW-6-110722 L1556531-13 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:20 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 17:56	11/13/22 17:56	BAM	Mt. Juliet, TN

D1-MW-11R-110822 L1556531-14 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:40 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 18:18	11/13/22 18:18	BAM	Mt. Juliet, TN

D1-MW-17R-110822 L1556531-15 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 18:40	11/13/22 18:40	BAM	Mt. Juliet, TN

D1-MW-18R-110822 L1556531-16 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:50 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 19:02	11/13/22 19:02	BAM	Mt. Juliet, TN

DI-EQUIPMENT-BLANK-110822 L1556531-17 GW

Collected by: ES/MC
Collected date/time: 11/08/22 00:00
Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 13:11	11/13/22 13:11	BAM	Mt. Juliet, TN

DI-ETRIP-BLANK-110822 L1556531-18 GW

Collected by: ES/MC
Collected date/time: 11/08/22 00:00
Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1958762	1	11/13/22 12:49	11/13/22 12:49	BAM	Mt. Juliet, TN

CASE NARRATIVE

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

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 11/17/2022 15:43
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1556531-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958762

#[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			1
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).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 11/17/2022 15:43
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1556531-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958762

#[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).

Laboratory Review Checklist: Exception Reports

Revised May 2010

Laboratory Name: Pace Analytical National	LRC Date: 11/17/2022 15:43
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1556531-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958762

ER #[1]	Description
1	8021B WG1958762 Ethylbenzene, Toluene L1556531-02, 04, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15 and 16: Concentration in the Blank >MQL.

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	11/13/2022 13:33	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 13:33	WG1958762
Ethylbenzene	0.000280	B J	0.000160	0.000500	0.000500	1	11/13/2022 13:33	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 13:33	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 13:33*	WG1958762

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	11/13/2022 13:55	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 13:55	WG1958762
Ethylbenzene	0.000271	B J	0.000160	0.000500	0.000500	1	11/13/2022 13:55	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 13:55	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/13/2022 13:55*	WG1958762

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

D1-RW-12-110722
Collected date/time: 11/07/22 12:25
L1556531

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	0.00222		0.000190	0.000500	0.000500	1	11/13/2022 14:17	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 14:17	WG1958762
Ethylbenzene	0.000367	B J	0.000160	0.000500	0.000500	1	11/13/2022 14:17	WG1958762
Total Xylene	0.0228		0.000510	0.00150	0.00150	1	11/13/2022 14:17	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 14:17*	WG1958762

D1-MW-22-110722
Collected date/time: 11/07/22 14:30
L1556531

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	11/13/2022 14:38	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 14:38	WG1958762
Ethylbenzene	0.000287	B J	0.000160	0.000500	0.000500	1	11/13/2022 14:38	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 14:38	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/13/2022 14:38*	WG1958762

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

D1-MW-21R-110722
Collected date/time: 11/07/22 13:30
L1556531

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	11/13/2022 15:00	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 15:00	WG1958762
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 15:00	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 15:00	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/13/2022 15:00*	WG1958762

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	11/13/2022 15:22	WG1958762
Toluene	0.000517	B J	0.000412	0.00100	0.00100	1	11/13/2022 15:22	WG1958762
Ethylbenzene	0.000374	B J	0.000160	0.000500	0.000500	1	11/13/2022 15:22	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 15:22	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 15:22*	WG1958762

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	11/13/2022 15:44	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 15:44	WG1958762
Ethylbenzene	0.000273	B J	0.000160	0.000500	0.000500	1	11/13/2022 15:44	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 15:44	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 15:44*	WG1958762

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	11/13/2022 16:07	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 16:07	WG1958762
Ethylbenzene	0.000275	B J	0.000160	0.000500	0.000500	1	11/13/2022 16:07	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 16:07	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/13/2022 16:07*	WG1958762

D1-DUP1-110722
Collected date/time: 11/07/22 00:00
L1556531

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	0.00221		0.000190	0.000500	0.000500	1	11/13/2022 16:29	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 16:29	WG1958762
Ethylbenzene	0.000357	B J	0.000160	0.000500	0.000500	1	11/13/2022 16:29	WG1958762
Total Xylene	0.0223		0.000510	0.00150	0.00150	1	11/13/2022 16:29	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 16:29*	WG1958762

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

D1-DUP2-110722
Collected date/time: 11/07/22 00:00
L1556531

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	0.000363	J	0.000190	0.000500	0.000500	1	11/13/2022 16:51	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 16:51	WG1958762
Ethylbenzene	0.000229	B J	0.000160	0.000500	0.000500	1	11/13/2022 16:51	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 16:51	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 16:51*	WG1958762

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	0.000357	J	0.000190	0.000500	0.000500	1	11/13/2022 17:13	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 17:13	WG1958762
Ethylbenzene	0.000226	B J	0.000160	0.000500	0.000500	1	11/13/2022 17:13	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 17:13	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 17:13*	WG1958762

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	11/13/2022 17:34	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 17:34	WG1958762
Ethylbenzene	0.000333	B J	0.000160	0.000500	0.000500	1	11/13/2022 17:34	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 17:34	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 17:34*	WG1958762

D1-MW-6-110722
Collected date/time: 11/07/22 13:20
L1556531

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	11/13/2022 17:56	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 17:56	WG1958762
Ethylbenzene	0.000171	B J	0.000160	0.000500	0.000500	1	11/13/2022 17:56	WG1958762
Total Xylene	0.000526	J	0.000510	0.00150	0.00150	1	11/13/2022 17:56	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 17:56*	WG1958762

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	11/13/2022 18:18	WG1958762
Toluene	0.000441	B J	0.000412	0.00100	0.00100	1	11/13/2022 18:18	WG1958762
Ethylbenzene	0.000269	B J	0.000160	0.000500	0.000500	1	11/13/2022 18:18	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 18:18	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 18:18*	WG1958762

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	11/13/2022 18:40	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 18:40	WG1958762
Ethylbenzene	0.000261	B J	0.000160	0.000500	0.000500	1	11/13/2022 18:40	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 18:40	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*106*				*79.0-125*		*11/13/2022 18:40*	WG1958762

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	11/13/2022 19:02	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 19:02	WG1958762
Ethylbenzene	0.000276	B J	0.000160	0.000500	0.000500	1	11/13/2022 19:02	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 19:02	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 19:02*	WG1958762

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	11/13/2022 13:11	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 13:11	WG1958762
Ethylbenzene	0.000270	B J	0.000160	0.000500	0.000500	1	11/13/2022 13:11	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 13:11	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 13:11*	WG1958762

DI-ETRM-BLANK-110822
Collected date/time: 11/08/22 00:00
L1556531

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	11/13/2022 12:49	WG1958762
Toluene	0.000429	B J	0.000412	0.00100	0.00100	1	11/13/2022 12:49	WG1958762
Ethylbenzene	0.000278	B J	0.000160	0.000500	0.000500	1	11/13/2022 12:49	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 12:49	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*108*				*79.0-125*		*11/13/2022 12:49*	WG1958762

Method Blank (MB)

(MB) R3861865-2 11/13/22 12:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000458	J	0.000412	0.00100
Ethylbenzene	0.000283	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*107*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3861865-1 11/13/22 11:27

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0495	99.0	77.0-122	
Toluene	0.0500	0.0433	86.6	80.0-121	
Ethylbenzene	0.0500	0.0501	100	80.0-123	
Total Xylene	0.150	0.137	91.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*106*	*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

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.

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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

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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Phone: 615-758-5858 Alt: 800-767-5859

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SDG # L1556531

E094

Report to: **John Fergerson**

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

Project Description: Darr Angell #1

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **Darr Angell #1 SRS**
Darr Angell #1

Lab Project # **PLAINSGHD-12572705**

Collected by (print): ES, MC

Site/Facility ID # **Darr Angell #1 SRS Darr Angell #1**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y Y

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

Quote #

Date Results Needed

Acctnum: **PLAINSGHD**
Template: **T217789**
Prelogin: **P960994**
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)
DI-MW-24-110722	Grab	GW	—	11-7-22	12:15	3	X			-01
DI-MW-25-110722	Grab	GW	—	11-7-22	12:55	3	X			-02
DI-RW-12-110722	Grab	GW	—	11-7-22	12:25	3	X			-03
DI-MW-27-110722	Grab	GW	—	11-7-22	14:30	3	X			-04
DI-MW-21R-110722	Grab	GW	—	11-7-22	13:30	3	X			-05
DI-MW-20R-110722	Grab	GW	—	11-7-22	13:05	3	X			-06
DI-MW-19R-110722	Grab	GW	—	11-7-22	15:00	3	X			-07
DI-MW-16R-110722	Grab	GW	—	11-7-22	12:45	3	X			-08
DI-Dup1-110722	Grab	~~OT~~ GW	DF	11-7-22	—	3	X			-09
DI-Dup2-110722	Grab	~~OT~~ GW	DF	11-7-22	—	3	X			-10

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

Remarks:

pH ___ Temp ___
Flow ___ Other ___

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

Tracking # 1922 0813 1252

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)
	11/9/22	0920	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	11/9/22	1700	Fedex
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
3

Temp: NSA 7 °C Bottles Received:
0.9 +0 = 0.9 5 1

If preservation required by Login: Date/Time

Date: 11-10-22 Time: 0900

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

Project Description: Darr Angell #1

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **Darr Angell #1 SRS**
Darr Angell #1

Lab Project # **PLAINSGHD-12572705**

Collected by (print): ES, MC

Site/Facility ID # **Darr Angell #1 SRS Darr Angell #1**

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

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL	PAHSIMLVI 40mLAmb-NoPres-WT	Remarks	Sample # (lab only)
DI-MW-12R-110722	Grab	GW	—	11-7-22	15:20	3	X			-11
DI-MW-7-110722	Grab	GW	—	11-7-22	14:40	3	X			-12
DI-MW-6-110722	Grab	GW	—	11-7-22	13:20	3	X			-13
DI-MW-11B-110822	Grab	GW	—	11-8-22	08:40	3				-14
DI-MW-17R-110822	Grab	GW	—	11-8-22	08:30	3				-15
DI-MW-18R-110822	Grab	GW	—	11-8-22	08:50	3				-16
DI-Equipment-blank-110822	↓	GW	—	11-8-22	—	3				-17
DI-TRIP-blank-110822	↓	GW	—	11-8-22	—	3	↓			-18
		GW								
		GW								

Chain of Custody Page 2 of 2

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Phone: 615-758-5858 Alt: 800-767-5859

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SDG # L1556531

Table #

Acctnum: **PLAINSGHD**
Template: **T217789**
Prelogin: **P960994**
PM: **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 # 1922 0813 1252

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)
	11/9/22	0920	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	11/9/22	1700	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
3

Temp: 0.9 °C Bottles Received: 51
0.9+0=0.4

If preservation required by Login: Date/Time

Date: 11-10-22 Time: 0900

Hold:

Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

November 23, 2022

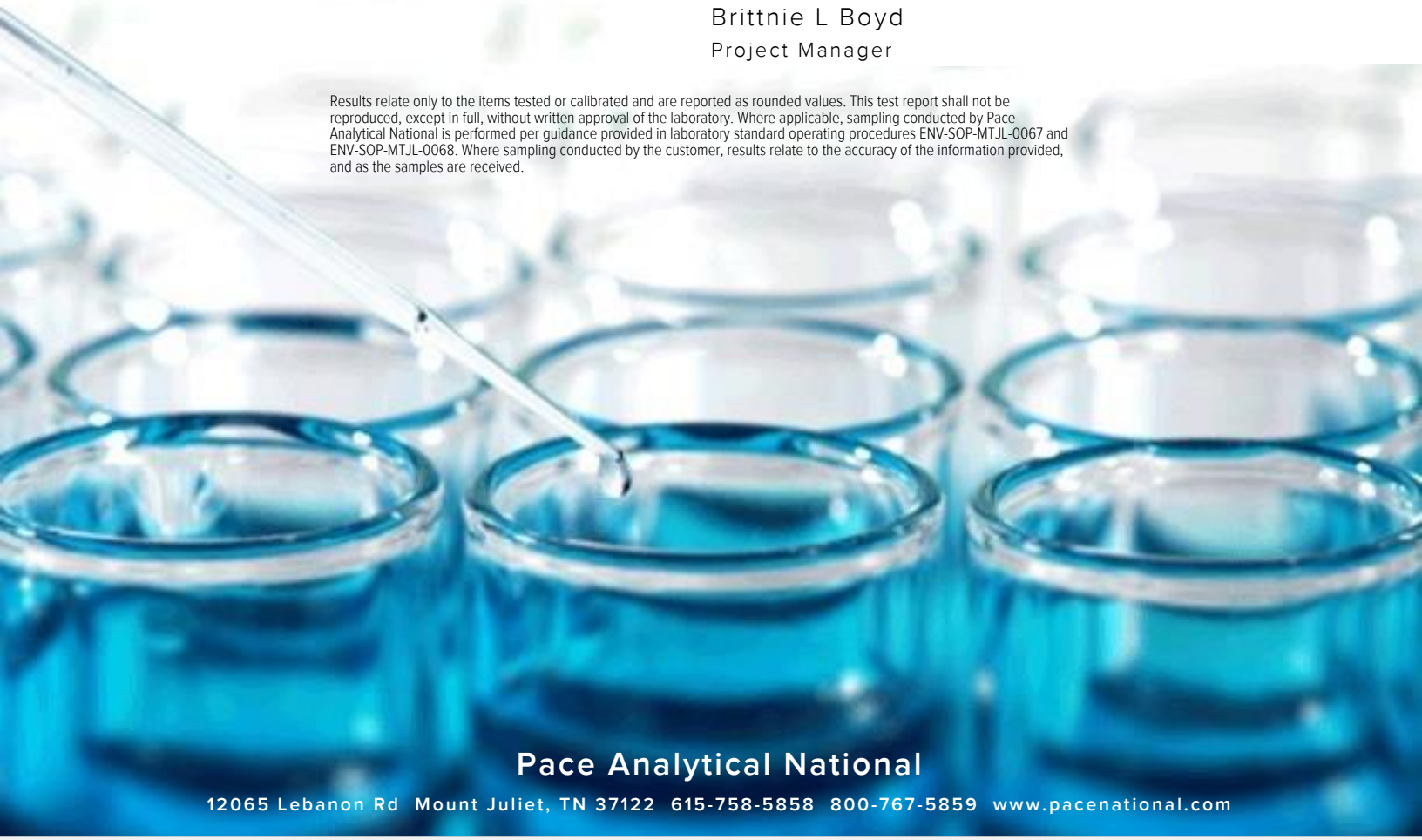
Plains All American, LP - GHD

Sample Delivery Group:	L1559471
Samples Received:	11/10/2022
Project Number:	12572705
Description:	Darr Angell #1 SRS Darr Angell #1
Site:	DARR ANGELL #1 SRS DARR ANGELL
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

D1-MW-24-110722 L1559471-01 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:15 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 04:42	11/19/22 04:42	DWR	Mt. Juliet, TN

D1-MW-25-110722 L1559471-02 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:55 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 05:04	11/19/22 05:04	DWR	Mt. Juliet, TN

D1-RW-12-110722 L1559471-03 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:25 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 05:25	11/19/22 05:25	DWR	Mt. Juliet, TN

D1-MW-22-110722 L1559471-04 GW

Collected by: ES/MC | Collected date/time: 11/07/22 14:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 05:47	11/19/22 05:47	DWR	Mt. Juliet, TN

D1-MW-21R-110722 L1559471-05 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 06:09	11/19/22 06:09	DWR	Mt. Juliet, TN

D1-MW-20R-110722 L1559471-06 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:05 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 06:31	11/19/22 06:31	DWR	Mt. Juliet, TN

D1-MW-19R-110722 L1559471-07 GW

Collected by: ES/MC | Collected date/time: 11/07/22 15:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 06:53	11/19/22 06:53	DWR	Mt. Juliet, TN

D1-MW-16R-110722 L1559471-08 GW

Collected by: ES/MC | Collected date/time: 11/07/22 12:45 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962267	1	11/19/22 07:15	11/19/22 07:15	DWR	Mt. Juliet, TN

D1-DUP1-110722 L1559471-09 GW

Collected by: ES/MC | Collected date/time: 11/07/22 00:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 19:47	11/19/22 19:47	DWR	Mt. Juliet, TN

D1-DUP2-110722 L1559471-10 GW

Collected by: ES/MC | Collected date/time: 11/07/22 00:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 20:09	11/19/22 20:09	DWR	Mt. Juliet, TN

D1-MW-12R-110722 L1559471-11 GW

Collected by: ES/MC | Collected date/time: 11/07/22 15:20 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 20:31	11/19/22 20:31	DWR	Mt. Juliet, TN

D1-MW-7-110722 L1559471-12 GW

Collected by: ES/MC | Collected date/time: 11/07/22 14:00 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 20:53	11/19/22 20:53	DWR	Mt. Juliet, TN

D1-MW-6-110722 L1559471-13 GW

Collected by: ES/MC | Collected date/time: 11/07/22 13:20 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 21:15	11/19/22 21:15	DWR	Mt. Juliet, TN

D1-MW-11R-110822 L1559471-14 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:40 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 23:42	11/19/22 23:42	DWR	Mt. Juliet, TN

D1-MW-17R-110822 L1559471-15 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/20/22 00:04	11/20/22 00:04	DWR	Mt. Juliet, TN

D1-MW-18R-110822 L1559471-16 GW

Collected by: ES/MC | Collected date/time: 11/08/22 08:30 | Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/20/22 00:26	11/20/22 00:26	DWR	Mt. Juliet, TN

DI-EQUIPMENT-BLANK-110822 L1559471-17 GW

Collected by: ES/MC
Collected date/time: 11/08/22 00:00
Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 19:26	11/19/22 19:26	DWR	Mt. Juliet, TN

DI-TRIP-BLANK-110822 L1559471-18 GW

Collected by: ES/MC
Collected date/time: 11/08/22 00:00
Received date/time: 11/10/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1962269	1	11/19/22 18:11	11/19/22 18:11	DWR	Mt. Juliet, TN

CASE NARRATIVE

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

Brittnie L Boyd
Project Manager

Revised May 2010

Laboratory Data Package Cover Page

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

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

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

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

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

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

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

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

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

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

b. MS/MSD spiking amounts,

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

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

e. The laboratory's MS/MSD QC limits

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

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

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

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

R10 - Other problems or anomalies.

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

Brittnie L Boyd

Project Manager

Revised May 2010

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 19:57
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1559471-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1962267 and WG1962269

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

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

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 19:57
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1559471-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1962267 and WG1962269

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

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

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 11/23/2022 19:57
Project Name: Darr Angell #1 SRS Darr Angell #1	Laboratory Job Number: L1559471-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17 and 18
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1962267 and WG1962269

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

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	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	11/19/2022 04:42	WG1962267
Toluene	0.000413	B J	0.000412	0.00100	0.00100	1	11/19/2022 04:42	WG1962267
Ethylbenzene	0.000280	B J	0.000160	0.000500	0.000500	1	11/19/2022 04:42	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 04:42	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 04:42*	WG1962267

D1-MW-23-110722
Collected date/time: 11/07/22 12:55
L1559471

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	11/19/2022 05:04	WG1962267
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 05:04	WG1962267
Ethylbenzene	0.000281	B J	0.000160	0.000500	0.000500	1	11/19/2022 05:04	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 05:04	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 05:04*	WG1962267

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	0.00220		0.000190	0.000500	0.000500	1	11/19/2022 05:25	WG1962267
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 05:25	WG1962267
Ethylbenzene	0.000323	B J	0.000160	0.000500	0.000500	1	11/19/2022 05:25	WG1962267
Total Xylene	0.0204		0.000510	0.00150	0.00150	1	11/19/2022 05:25	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 05:25*	WG1962267

D1-MW-22-110722
Collected date/time: 11/07/22 14:30
L1559471

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	11/19/2022 05:47	WG1962267
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 05:47	WG1962267
Ethylbenzene	0.000290	B J	0.000160	0.000500	0.000500	1	11/19/2022 05:47	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 05:47	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 05:47*	WG1962267

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	11/19/2022 06:09	WG1962267
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 06:09	WG1962267
Ethylbenzene	0.000412	B J	0.000160	0.000500	0.000500	1	11/19/2022 06:09	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 06:09	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 06:09*	WG1962267

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	11/19/2022 06:31	WG1962267
Toluene	0.000453	B J	0.000412	0.00100	0.00100	1	11/19/2022 06:31	WG1962267
Ethylbenzene	0.000407	B J	0.000160	0.000500	0.000500	1	11/19/2022 06:31	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 06:31	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 06:31*	WG1962267

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	11/19/2022 06:53	WG1962267
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 06:53	WG1962267
Ethylbenzene	0.000282	B J	0.000160	0.000500	0.000500	1	11/19/2022 06:53	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 06:53	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 06:53*	WG1962267

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	11/19/2022 07:15	WG1962267
Toluene	0.000422	B J	0.000412	0.00100	0.00100	1	11/19/2022 07:15	WG1962267
Ethylbenzene	0.000304	B J	0.000160	0.000500	0.000500	1	11/19/2022 07:15	WG1962267
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 07:15	WG1962267
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 07:15*	WG1962267

D1-DUP1-110722
Collected date/time: 11/07/22 00:00
L1559471

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	0.00199		0.000190	0.000500	0.000500	1	11/19/2022 19:47	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 19:47	WG1962269
Ethylbenzene	0.000295	B J	0.000160	0.000500	0.000500	1	11/19/2022 19:47	WG1962269
Total Xylene	0.0188		0.000510	0.00150	0.00150	1	11/19/2022 19:47	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*109*				*79.0-125*		*11/19/2022 19:47*	WG1962269

D1-DUP2-110722
Collected date/time: 11/07/22 00:00
L1559471

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	0.000313	J	0.000190	0.000500	0.000500	1	11/19/2022 20:09	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 20:09	WG1962269
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/19/2022 20:09	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 20:09	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 20:09*	WG1962269

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	0.000316	J	0.000190	0.000500	0.000500	1	11/19/2022 20:31	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 20:31	WG1962269
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/19/2022 20:31	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 20:31	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 20:31*	WG1962269

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	11/19/2022 20:53	WG1962269
Toluene	0.000413	B J	0.000412	0.00100	0.00100	1	11/19/2022 20:53	WG1962269
Ethylbenzene	0.000329	B J	0.000160	0.000500	0.000500	1	11/19/2022 20:53	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 20:53	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 20:53*	WG1962269

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	11/19/2022 21:15	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 21:15	WG1962269
Ethylbenzene	0.000228	B J	0.000160	0.000500	0.000500	1	11/19/2022 21:15	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 21:15	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*114*				*79.0-125*		*11/19/2022 21:15*	WG1962269

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	11/19/2022 23:42	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 23:42	WG1962269
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/19/2022 23:42	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 23:42	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/19/2022 23:42*	WG1962269

D1-MW-17R-110822
Collected date/time: 11/08/22 08:30
L1559471

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	11/20/2022 00:04	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/20/2022 00:04	WG1962269
Ethylbenzene	0.000300	B J	0.000160	0.000500	0.000500	1	11/20/2022 00:04	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/20/2022 00:04	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/20/2022 00:04*	WG1962269

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	11/20/2022 00:26	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/20/2022 00:26	WG1962269
Ethylbenzene	0.000289	B J	0.000160	0.000500	0.000500	1	11/20/2022 00:26	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/20/2022 00:26	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*111*				*79.0-125*		*11/20/2022 00:26*	WG1962269

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	11/19/2022 19:26	WG1962269
Toluene	0.000469	B J	0.000412	0.00100	0.00100	1	11/19/2022 19:26	WG1962269
Ethylbenzene	0.000276	B J	0.000160	0.000500	0.000500	1	11/19/2022 19:26	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 19:26	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 19:26*	WG1962269

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	11/19/2022 18:11	WG1962269
Toluene	U		0.000412	0.00100	0.00100	1	11/19/2022 18:11	WG1962269
Ethylbenzene	0.000285	B J	0.000160	0.000500	0.000500	1	11/19/2022 18:11	WG1962269
Total Xylene	U		0.000510	0.00150	0.00150	1	11/19/2022 18:11	WG1962269
(S) a,a,a-Trifluorotoluene(PID)	*110*				*79.0-125*		*11/19/2022 18:11*	WG1962269

Method Blank (MB)

(MB) R3863470-3 11/19/22 01:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000609	J	0.000412	0.00100
Ethylbenzene	0.000297	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*111*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3863470-1 11/18/22 22:50

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0510	102	77.0-122	
Toluene	0.0500	0.0437	87.4	80.0-121	
Ethylbenzene	0.0500	0.0504	101	80.0-123	
Total Xylene	0.150	0.136	90.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*110*	*79.0-125*	

Method Blank (MB)

(MB) R3863521-3 11/19/22 17:27

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000420	J	0.000412	0.00100
Ethylbenzene	0.000296	J	0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*111*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3863521-2 11/19/22 16:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0502	100	77.0-122	
Toluene	0.0500	0.0449	89.8	80.0-121	
Ethylbenzene	0.0500	0.0485	97.0	80.0-123	
Total Xylene	0.150	0.132	88.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*112*	*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

Pres Chk

Report to: John Fergerson

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

Project Description: Darr Angell #1

City/State Collected: NM

Please Circle: PT MT CT ET

Phone: 432-894-7848

Client Project # Darr Angell #1 SRS
Darr Angell #1

Lab Project # PLAINSGHD-12572705

Collected by (print): ES, MC

Site/Facility ID # Darr Angell #1 SRS Darr Angell #1

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

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

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

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

SDG # ~~L1559471~~
E094
L1559471

Acctnum: PLAINSGHD
Template: T217789
Prelogin: P960994
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)
DI-MW-24-110722	Grab	GW	—	11-7-22	12:15	3	X			-01
DI-MW-25-110722	Grab	GW	—	11-7-22	12:55	3	X			-02
DI-RW-12-110722	Grab	GW	—	11-7-22	17:25	3	X			-03
DI-MW-22-110722	Grab	GW	—	11-7-22	14:30	3	X			-04
DI-MW-21R-110722	Grab	GW	—	11-7-22	13:30	3	X			-05
DI-MW-20R-110722	Grab	GW	—	11-7-22	13:05	3	X			-06
DI-MW-19R-110722	Grab	GW	—	11-7-22	15:00	3	X			-07
DI-MW-16R-110722	Grab	GW	—	11-7-22	12:45	3	X			-08
DI-Dup1-110722	Grab	~~OT~~ GW	—	11-7-22	—	3	X			-09
DI-Dup2-110722	Grab	~~OT~~ GW	—	11-7-22	—	3	X			-10

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

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking # 1922 0813 1252

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)
	11/9/22	0920	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	11/9/22	1700	Fedex
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 1.7 °C Bottles Received: 09 to 0.9 51

Date: 11-10-22 Time: 0900

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

Project Description: Darr Angell #1

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # Darr Angell #1 SRS Darr Angell #1

Lab Project # **PLAINSGHD-12572705**

Collected by (print): ES, MC

Site/Facility ID # Darr Angell #1 SRS Darr Angell #1

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

Chain of Custody Page 2 of 2

Pace
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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 # ~~L1556531~~

Table # L1559471

Acctnum: **PLAINSGHD**

Template: **T217789**

Prelogin: **P960994**

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)
DI-MW-17B-110722	Grab	GW	-	11-7-22	15:20	3	X			-11
DI-MW-7-110722	Grab	GW	-	11-7-22	14:40	3	X			-12
DI-MW-6-110722	Grab	GW	-	11-7-22	13:20	3	X			-13
DI-MW-11B-110822	Grab	GW	-	11-8-22	08:40	3				-14
DI-MW-17B-110822	Grab	GW	-	11-8-22	08:30	3				-15
DI-MW-18B-110822	Grab	GW	-	11-8-22	08:50	3				-16
DI-Equipment-blank-110522		GW	-	11-8-22	-	3				-17
DI-TRIP-blank-110822		GW	-	11-8-22	-	3				-18
		GW								
		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 # 1922 0813 1252

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)
	11/9/22	0920	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	11/9/22	1700	FedEx
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No HCl / MeoH TBR

Temp: 0.7 °C Bottles Received: 5

0.9+0=0.4

Date: 11-10-22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

L1556531 *PLAINSGHD* Relog

R3/R4/RX/EX

Please relog all samples for BTEX. Samples go OOH 11/21.

Thank you,

Brittnie

From: John Fergerson <John.Fergerson@ghd.com>

Sent: Thursday, November 17, 2022 4:42 PM

To: Brittnie Boyd <Brittnie.Boyd@pacelabs.com>; KHudgens@paalp.com

Subject: RE: Pace Analytical National Level II Report & EDD for 12572705 Darr Angell #1 SRS Darr Angell #1 L1556531

Brittnie,

After reviewing the analytical results with all the J Value Qualifiers (including the Trip Blank) and the majority of these wells having a long history of being non-detect, I
request all samples be re-analyzed.

Please contact me if you have any questions or comments.

Thanks,

Time estimate: oh **Time spent:** oh

Members

BB Brittnie Boyd (responsible)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 202791

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 202791
	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, including sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring and recovery wells with no measurable thickness of LNAPL exhibited on the groundwater. 2. Complete and submit a Work Plan for the plugging and abandonment of monitoring and recovery wells considered dry due to a consistent lack of fluid column and/or gauged dry. Drill and install replacement monitoring wells to evaluate groundwater conditions and maintain plume delineation and replacement recovery wells to enhance LNAPL recovery and to further delineate the extent and magnitude of the plume. 3. Submit summarized activities and their results in next annual report. Submittal to OCD expected no later than 03/31/2024	5/10/2023