Review of the 2022 Annual Groundwater Review for Darr Angell No.2: **Content Satisfactory**
1. Continue to conduct quarterly groundwater monitoring events as approved by NMOCD.
2. Continue LNAPL abatement.
3. Continue daily automated remediation system.
4. Submit work plan for P&A to NMOCD
5. Submit 2023 Annual Groundwater Report by or before April 1, 2024.

2022 Annual Groundwater Monitoring Report

Darr Angell No. 2
Plains SRS #LF 1999-62
Lea County, New Mexico
NMOCD Abatement Permit No. AP-007
Incident ID # nAPP2108852096

Plains All American Pipeline Company

March 30, 2023

→ **The Power of Commitment**

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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. 2 (Site) during 2022. Quarterly groundwater monitoring events were conducted on February 8 - 9, 2022, May 3 - 4, 2022, August 16 - 17 and 19, 2022, and November 8, 2022.

1.1 Site Location History

The Site is located approximately 11.9 miles northeast of Lovington and in the SW ¼, SE ¼ Section 11, Township 15 South, Range 37 East; and NW ¼, NE ¼, Section 14, Township 15 South, Range 37 East in Lea County, New Mexico. The coordinates of this Site are 33.0242° N and 103.1668° 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 July 18, 1999, from an 8-inch EOTT pipeline. The cause of the release was reportedly due to internal pipeline corrosion. On July 20, 1999, 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 260 barrels (bbls) of crude oil with 200 bbls recovered during initial response activity. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A.

Initial remediation activities began in August 1999 and consisted of 40 soil borings installed within and around the area of surface staining. In April and May 2000, a contractor for EOTT excavated the impacted area. Excavation activity resumed in April and May 2001 with additional removal of impacted soil. Between April 2000 and December 2002, 10 monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, and MW-10) and seven (7) recovery wells (RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, and RW-7) were drilled and installed to delineate the extent and evaluate the concentrations of contaminants of concern (COCs) in impacted groundwater and/or the magnitude and extent of the light non-aqueous phase liquid (LNAPL). On March 11, 2002, partial backfilling of the open excavation was conducted subsequent to NMOCD approval of a backfill request. 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 drilling and installation of one (1) monitoring well (MW-4R) to maintain plume delineation and four (4) recovery wells (RW-7R, RW-8, RW-9, and RW-10) to further delineate the magnitude and extent of the LNAPL plume. In February 2017, GHD provided oversight of the drilling and installation of one (1) monitoring well (MW-12) for further plume delineation and two (2) recovery wells (RW-11 and RW-12) to further delineate the magnitude and extent of the LNAPL plume. On February 19, 2020, GHD provided oversight of the plugging and abandonment (P&A) of nine (9) monitoring wells (MW-1, MW-2, MW-3, MW-6, MW-7, MW-8, MW-9, MW-10, and MW-11) and one (1) recovery well (RW-4). From February 20 - 25, 2020, GHD provided oversight of the drilling and installation of seven (7) monitoring wells (MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13) and three (3) recovery wells (RW-4R, RW-13, and RW-14) for further plume delineation, to evaluate the concentrations of COCs in impacted groundwater, and to 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 23 groundwater monitoring and recovery wells (MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13, RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8,

RW-9, RW-10, RW-11, RW-12, RW-13, and RW-14) which are monitored quarterly to 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 23 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 8 - 9, 2022, May 3 - 4, 2022, August 16 - 17 and 19, 2022, and November 8, 2022. Static fluid levels were gauged with an electronic oil-water interface probe to the nearest one 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 into the Site's above-ground storage tank (AST) pending disposal. The purge water was periodically transported off-Site to and disposed of at a NMOCD-approved disposal facility as directed by Plains. Disposal records are available upon request.

3.2 Potentiometric Surface and Gradient

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

All monitoring and recovery wells exhibited net declines in elevation of the potentiometric surface between November 2021 and November 2022. The annual evaluation of the potentiometric surface indicates groundwater elevations have declined an average of 0.80 ft. The changes in the groundwater gradients and levels may be attributed to seasonal weather fluctuations. Potentiometric surface maps for the quarterly monitoring events are depicted on Figure 3, Figure 4, Figure 5, and Figure 6. A summary of the Site's groundwater gauging and elevation data collected from 2017 through 2022 is tabulated in Table 1.

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

Measurable thicknesses of LNAPL were found in recovery wells: RW-1 (0.02 ft.) during the first quarterly monitoring event; RW-2 (5.01 ft.) during the fourth quarterly monitoring event; RW-3 (1.86 ft., 2.09 ft., 1.92 ft., and 1.82 ft.) during all quarterly monitoring events; RW-4R (5.91 ft., 5.72 ft., and 6.30 ft.) during the first, second, and fourth quarterly monitoring events; RW-5 (2.77 ft., 2.39 ft., 2.07 ft., and 2.10 ft.) during all quarterly monitoring events; RW-6 (2.56 ft., 0.33 ft., and 1.92 ft.) during the first, second, and fourth quarterly monitoring events; RW-7R (3.44 ft., 1.40 ft., 0.89 ft., and 1.43 ft.) during all quarterly monitoring events; RW-8 (6.20 ft., 2.78 ft., 2.46 ft., and 0.86 ft.) during all quarterly monitoring events; RW-9 (1.89 ft., 1.10 ft., 0.89 ft., and 0.69 ft.) during all quarterly monitoring events; RW-10 (5.62 ft., 2.01 ft., and 7.47 ft.) during the first, second, and fourth quarterly monitoring events; RW-11 (0.23 ft., 0.14 ft., 0.08 ft., and 0.11 ft.) during all quarterly monitoring events; RW-13 (4.85 ft., 1.88 ft., and 6.14 ft.) during the first, second, and fourth quarterly monitoring events; and RW-14 (6.20 ft., 3.15 ft., and 5.66 ft.) during the first, second, and fourth quarterly monitoring events. The LNAPL thickness increased by a net average of 0.28 ft. between November 2021 and November 2022. The LNAPL thicknesses measured during 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 8 - 9, 2022. Recovery well RW-2 was gauged dry. Measurable thicknesses of LNAPL were gauged in recovery well RW-1 (0.02 ft.), RW-3 (1.86 ft.), RW-4R (5.91 ft.), RW-5 (2.77 ft.), RW-6 (2.56 ft.), RW-7R (3.44 ft.) , RW-8 (6.20 ft.), RW-9 (1.89 ft.), RW-10 (5.62 ft.), RW-11 (0.23 ft.), RW-13 (4.85 ft.) and RW-14 (6.20 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13), and recovery well (RW-12). Approximately 223 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated a benzene concentration greater than 0.01 mg/L in recovery well RW-12. The analytical results indicated toluene, ethylbenzene, and total xylenes concentrations were less than the applicable NMWQCC criteria in recovery well (RW-12). 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 3 - 4, 2022, Recovery wells RW-1 and RW-2 were gauged dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3 (2.09 ft.), RW-4R (5.72 ft.), RW-5 (2.39 ft.), RW-6 (0.33 ft.), RW-7R (1.40 ft.), RW-8 (2.78 ft.), RW-9 (1.10 ft.), RW-10 (2.01 ft.), RW-11 (0.14 ft.), RW-13 (1.88 ft.), and RW-14 (3.15 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13), and recovery well (RW-12). Approximately 233 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations greater than 0.01 mg/L in recovery well (RW-12). The analytical results indicated toluene, ethylbenzene, and total xylenes concentrations were less than the applicable NMWQCC criteria for recovery well RW-12. 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 16 - 17 and 19, 2022. Recovery wells RW-1 and RW-2 were gauged dry. Recovery wells RW-4R, RW-10, RW-13, and RW-14 were not gauged due to remediation pumps remain in the wells for the event. Recovery well RW-6 was not gauged during the event. Measurable thicknesses of LNAPL were gauged in recovery wells RW-3 (1.92 ft.), RW-5 (2.07 ft.), RW-7R (0.89 ft.), RW-8 (2.46 ft.), RW-9 (0.89 ft.), and RW-11 (0.08 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13), and recovery well (RW-12). Approximately 236 gallons of groundwater were purged and disposed of in the on-Site AST. Analytical results indicated benzene concentrations greater than 0.01 mg/L in recovery well (RW-12). The analytical results indicated toluene, ethylbenzene, and total xylenes concentrations were less than the applicable NMWQCC criteria for recovery well RW-12. 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 8, 2022. Recovery well RW-1 was gauged dry. Measurable thicknesses of LNAPL were gauged in recovery wells RW-2 (5.01 ft.), RW-3 (1.82 ft.), RW-4R (6.30 ft.), RW-5 (2.10 ft.), RW-6 (1.92 ft.), RW-7R (1.43 ft.), RW-8 (0.86 ft.), RW-9 (0.69 ft.), RW-10 (7.47 ft.), RW-11 (0.11 ft.), RW-13 (6.14 ft.), and RW-14 (5.66 ft.) during the event. Groundwater samples were collected from monitoring wells (MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13), and recovery well (RW-12). Approximately 236 gallons of groundwater were purged and disposed

of in the on-Site AST. Analytical results indicated benzene concentrations greater than 0.01 mg/L in recovery well RW-12. The analytical results indicated toluene, ethylbenzene, and total xylenes concentrations were less than the applicable NMWQCC criteria for recovery well (RW-12). 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.

In addition, the groundwater sample from recovery well (RW-12) was analyzed for PAH. Analytical results indicated all PAH compound concentrations were less than the NMWQCC criteria and has met the two consecutive year requirement. A summary of PAH analytical results is provided in Table 3. A copy of the Certified Laboratory Analytical Report is attached as Appendix B.

4. Remediation Activities

GHD field personnel conducted weekly LNAPL abatement via hand bailing or monsoon pump. Approximately 198 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 a trailer-mounted, automated remediation 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-4R, RW-10, RW-13, and RW-14) throughout 2022. 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 225 days with approximately 1,000 gallons of LNAPL and approximately 5,312 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 3.3371 pounds (lbs.) of total petroleum hydrocarbons per hour (TPH/hour) with a total mass of emissions of 2.4758 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 recovery wells (RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-13, and RW-14) during the four (4) quarterly monitoring events. Recovery wells (RW-1, RW-3, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-11, and RW-14) exhibited a decrease in LNAPL thickness and recovery wells (RW-4R, RW-10, and RW-13) exhibited an increase in LNAPL thickness. Overall, the LNAPL thickness increased by a net average of 0.28 ft. between November 2021 and November 2022.
– Recovery well (RW-1) was considered dry due to <1.0 ft. of fluid column being gauged during the first quarterly event and was gauged dry for the second, third, and fourth quarterly events. Recovery well (RW-2) was gauged dry for the first, second, and third quarterly events, and was gauged with a fluid column consisting only of LNAPL for the fourth quarterly event. Recovery well (RW-3) was considered dry due to <1.0 ft. of fluid column

being gauged during the first and second quarterly events and was gauged with a fluid column consisting only of LNAPL for 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 0.80 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-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, and MW-13), and recovery well (RW-12) were purged and sampled using a hand bailer for determination of the BTEX concentrations.
- Benzene concentrations were greater than the NMWQCC Human Health Standard criteria for recovery well RW-12 for the quarterly events.
- Toluene, ethylbenzene, and total xylene concentrations were less than the applicable NMWQCC Human Health Standard criteria for recovery well (RW-12) for the quarterly events.
- The groundwater sample for recovery well (RW-12) was analyzed for PAH during the fourth quarterly event. The analysis indicated no exceedances of PAH concentrations and has met the two (2) consecutive year requirement of no exceedances.
- Weekly LNAPL abatement was conducted during 2022 with approximately 198 gallons recovered.
- For 2022, the remediation system operated for 225 days. Remediation pumps operated in RW-4R, RW-10, RW-13, and RW-14 and recovered approximately 1,000 gallons of LNAPL and 5,312 gallons of impacted groundwater.
- The remediations system's vacuum system operated during the first, second, and third quarters with a rate of emissions of 3.3371 lbs. of TPH/hour and with a total emissions mass of 2.4758 tons of TPH.
- The remediation system's vacuum was shut down in September and an air sample was not collected during the fourth quarter.

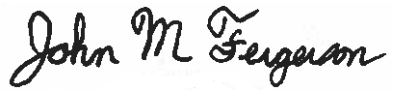
6. Recommendations

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 recovery wells with no pump installed and have $\geq$ 1.0 ft. of LNAPL on the groundwater.
- Conduct quarterly enhance fluid recovery (EFR) events on recovery wells with $\geq$ 1.0 ft. of LNAPL on the groundwater.
- Continue daily operation of the trailer mounted, automated remediation system.
- 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 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.

All of which is Respectfully Submitted,

GHD



John Fergerson
Project Scientist

JT Murrey
Project Director

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	2/27/17	3788.04	66.15	--	0.00	3721.89	68.05
MW-1	5/30/17	3788.04	66.27	--	0.00	3721.77	68.50
MW-1	8/29/17	3790.48	66.46	--	0.00	3724.02	68.02
MW-1	11/27/17	3790.48	66.60	--	0.00	3723.88	68.04
MW-1	12/1/17	3790.48	--	--	--	--	--
MW-1	2/27/18	3790.48	66.78	--	0.00	3723.70	68.07
MW-1	5/29/18	3790.48	67.00	--	0.00	3723.48	68.11
MW-1	8/29/18	3790.48	67.10	--	0.00	3723.38	68.07
MW-1	11/26/18	3790.48	67.31	--	0.00	3723.17	68.10
MW-1	2/25/19	3790.48	67.48	--	0.00	3723.00	68.10
MW-1	5/20/19	3790.48	67.67	--	0.00	3722.81	68.10
MW-1	7/23/19	3790.48	Dry	--	--	--	68.01
MW-1	10/22/19	3790.48	Dry	--	--	--	--
MW-1	2/19/20	P&A	--	--	--	--	--
MW-2	1/4/17	3788.37	--	--	--	--	--
MW-2	1/17/17	3788.37	--	--	--	--	--
MW-2	2/15/17	3788.37	--	--	--	--	--
MW-2	2/27/17	3788.37	LNAPL	66.88	1.28	--	68.16
MW-2	4/25/17	3788.37	--	--	--	--	--
MW-2	5/10/17	3788.37	--	--	--	--	--
MW-2	5/30/17	3788.37	LNAPL	67.11	1.05	--	68.16
MW-2	6/7/17	3788.37	--	--	--	--	--
MW-2	7/5/17	3790.80	--	--	--	--	--
MW-2	7/13/17	3790.80	--	--	--	--	--
MW-2	7/19/17	3790.80	--	--	--	--	--
MW-2	7/25/17	3790.80	--	--	--	--	--
MW-2	8/29/17	3790.80	LNAPL	67.10	1.05	--	68.15
MW-2	9/6/17	3790.80	--	--	--	--	--
MW-2	11/7/17	3790.80	--	--	--	--	--
MW-2	11/27/17	3790.80	LNAPL	67.19	1.04	--	68.23
MW-2	12/5/17	3790.80	--	--	--	--	--
MW-2	2/27/18	3790.80	LNAPL	67.38	0.83	--	68.21
MW-2	5/29/18	3790.80	68.22	67.51	0.71	3723.16	--
MW-2	8/29/18	3790.80	Dry	--	--	--	68.47
MW-2	11/26/18	3790.80	Dry	--	--	--	68.25
MW-2	2/25/19	3790.80	Dry	--	--	--	--
MW-2	5/20/19	3790.80	Dry	--	--	--	--
MW-2	7/23/19	3790.80	Dry	--	--	--	--
MW-2	10/22/19	3790.80	Dry	--	--	--	--
MW-2	2/19/20	P&A	--	--	--	--	--
MW-3	1/11/17	3787.94	--	--	--	--	--
MW-3	1/24/17	3787.94	--	--	--	--	--
MW-3	2/7/17	3787.94	--	--	--	--	--
MW-3	2/27/17	3787.94	66.92	--	0.00	3721.02	68.08
MW-3	4/3/17	3787.94	--	--	--	--	--
MW-3	5/2/17	3787.94	--	--	--	--	--
MW-3	5/17/17	3787.94	--	--	--	--	--
MW-3	5/30/17	3787.94	67.10	--	0.00	3720.84	68.08
MW-3	5/31/17	3787.94	--	--	--	--	--
MW-3	6/13/17	3787.94	--	--	--	--	--
MW-3	7/5/17	3790.29	--	--	--	--	--
MW-3	7/13/17	3790.29	--	--	--	--	--
MW-3	8/29/17	3790.29	67.56	--	0.00	3722.73	68.05
MW-3	10/24/17	3790.29	--	--	--	--	--
MW-3	11/27/17	3790.29	67.35	--	0.00	3722.94	68.58
MW-3	12/1/17	3790.29	--	--	--	--	--
MW-3	2/27/18	3790.29	67.57	--	0.00	3722.72	68.14
MW-3	5/29/18	3790.29	67.75	--	0.00	3722.54	68.10
MW-3	8/29/18	3790.29	Dry	--	--	--	68.11
MW-3	11/26/18	3790.29	Dry	--	--	--	68.10
MW-3	2/25/19	3790.29	67.93	--	0.00	3722.36	--
MW-3	5/18/19	3790.29	--	--	--	--	--
MW-3	5/20/19	3790.29	Dry	--	--	--	--
MW-3	7/23/19	3790.29	Dry	--	--	--	68.10
MW-3	10/22/19	3790.29	Dry	--	--	--	--
MW-3	2/19/20	P&A	--	--	--	--	--
MW-3R	2/20/20	3789.51	--	--	--	--	--
MW-3R	2/26/20	3789.51	68.19	--	0.00	3721.32	90.26
MW-3R	3/23/20	3789.51	68.34	--	0.00	3721.17	90.32

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-3R	5/1/20	3789.51	68.41	--	0.00	3721.10	--
MW-3R	5/11/20	3789.51	68.42	--	0.00	3721.09	--
MW-3R	6/18/20	3789.51	68.48	--	0.00	3721.03	--
MW-3R	7/27/20	3789.51	68.57	--	0.00	3720.94	--
MW-3R	8/27/20	3789.51	68.66	--	0.00	3720.85	--
MW-3R	9/15/20	3789.51	68.68	--	0.00	3720.83	90.32
MW-3R	10/28/20	3789.51	68.79	--	0.00	3720.72	--
MW-3R	12/7/20	3789.51	68.88	--	0.00	3720.63	--
MW-3R	1/25/21	3789.51	68.98	--	0.00	3720.53	--
MW-3R	2/8/21	3789.51	69.02	--	0.00	3720.49	90.36
MW-3R	3/22/21	3789.51	69.09	--	0.00	3720.42	--
MW-3R	4/26/21	3789.51	69.16	--	0.00	3720.35	--
MW-3R	5/10/21	3789.51	69.23	--	0.00	3720.28	--
MW-3R	7/28/21	3789.51	69.37	--	0.00	3720.14	--
MW-3R	8/9/21	3789.51	69.38	--	0.00	3720.13	90.40
MW-3R	9/29/21	3789.51	69.50	--	0.00	3720.01	90.36
MW-3R	10/26/21	3789.51	69.50	--	0.00	3720.01	90.36
MW-3R	11/9/21	3789.51	69.53	--	0.00	3719.98	90.36
MW-3R	12/21/21	3789.51	69.62	--	0.00	3719.89	90.36
MW-3R	2/8/22	3789.51	69.75	--	0.00	3719.76	90.00
MW-3R	5/3/22	3789.51	69.90	--	0.00	3719.61	90.00
MW-3R	8/16/22	3789.51	70.15	--	0.00	3719.36	90.00
MW-3R	11/8/22	3789.51	70.31	--	0.00	3719.20	90.00
MW-4R	2/27/17	3786.73	65.83	--	0.00	3720.90	87.10
MW-4R	3/1/17	3786.73	--	--	--	--	--
MW-4R	5/30/17	3786.73	66.01	--	0.00	3720.72	86.88
MW-4R	5/31/17	3786.73	--	--	--	--	--
MW-4R	8/29/17	3789.17	66.19	--	0.00	3722.98	86.42
MW-4R	11/27/17	3789.17	66.32	--	0.00	3722.85	86.21
MW-4R	12/1/17	3789.17	--	--	--	--	--
MW-4R	2/27/18	3789.17	66.52	--	0.00	3722.65	86.48
MW-4R	5/29/18	3789.17	66.67	--	0.00	3722.50	86.11
MW-4R	8/29/18	3789.17	66.81	--	0.00	3722.36	86.24
MW-4R	11/26/18	3789.17	67.03	--	0.00	3722.14	86.24
MW-4R	2/25/19	3789.17	67.19	--	0.00	3721.98	--
MW-4R	2/27/19	3789.17	--	--	--	--	--
MW-4R	5/20/19	3789.17	67.37	--	0.00	3721.80	--
MW-4R	5/21/19	3789.17	--	--	--	--	--
MW-4R	7/23/19	3789.17	67.60	--	0.00	3721.57	--
MW-4R	10/22/19	3789.17	67.64	--	0.00	3721.53	--
MW-4R	2/10/20	3789.17	67.90	--	0.00	3721.27	85.97
MW-4R	5/1/20	3789.17	68.09	--	0.00	3721.08	--
MW-4R	5/11/20	3789.17	68.03	--	0.00	3721.14	--
MW-4R	6/18/20	3789.17	68.11	--	0.00	3721.06	--
MW-4R	7/27/20	3789.17	68.20	--	0.00	3720.97	--
MW-4R	8/27/20	3789.17	68.28	--	0.00	3720.89	--
MW-4R	9/15/20	3789.17	68.35	--	0.00	3720.82	85.97
MW-4R	10/28/20	3789.17	68.41	--	0.00	3720.76	--
MW-4R	12/7/20	3789.17	68.52	--	0.00	3720.65	--
MW-4R	1/25/21	3789.17	68.62	--	0.00	3720.55	--
MW-4R	2/8/21	3789.17	68.05	--	0.00	3721.12	85.82
MW-4R	3/22/21	3789.17	68.73	--	0.00	3720.44	--
MW-4R	4/26/21	3789.17	68.78	--	0.00	3720.39	--
MW-4R	5/10/21	3789.17	68.84	--	0.00	3720.33	--
MW-4R	7/28/21	3789.17	68.99	--	0.00	3720.18	--
MW-4R	8/9/21	3789.17	69.01	--	0.00	3720.16	85.84
MW-4R	9/29/21	3789.17	69.13	--	0.00	3720.04	85.82
MW-4R	10/26/21	3789.17	69.14	--	0.00	3720.03	85.82
MW-4R	11/9/21	3789.17	69.19	--	0.00	3719.98	85.52
MW-4R	12/21/21	3789.17	69.24	--	0.00	3719.93	85.52
MW-4R	2/8/22	3789.17	69.38	--	0.00	3719.79	85.43
MW-4R	5/3/22	3789.17	69.55	--	0.00	3719.62	85.43
MW-4R	8/16/22	3789.17	69.78	--	0.00	3719.39	85.43
MW-4R	11/8/22	3789.17	69.95	--	0.00	3719.22	85.43
MW-6	2/27/17	3788.31	66.57	--	0.00	3721.74	68.14
MW-6	5/30/17	3788.31	66.70	--	0.00	3721.61	68.12
MW-6	8/29/17	3790.75	66.91	--	0.00	3723.84	68.11
MW-6	11/27/17	3790.75	67.04	--	0.00	3723.71	68.08
MW-6	12/1/17	3790.75	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	2/27/18	3790.75	67.24	--	0.00	3723.51	68.22
MW-6	5/29/18	3790.75	67.41	--	0.00	3723.34	68.18
MW-6	8/29/18	3790.75	67.54	--	0.00	3723.21	68.22
MW-6	11/26/18	3790.75	67.77	--	0.00	3722.98	68.15
MW-6	2/25/19	3790.75	67.99	--	0.00	3722.76	--
MW-6	5/20/19	3790.75	Dry	--	--	--	--
MW-6	7/3/19	3790.75	--	--	--	--	--
MW-6	7/23/19	3790.75	Dry	--	--	--	68.01
MW-6	10/22/19	3790.75	Dry	--	--	--	--
MW-6	2/19/20	P&A	--	--	--	--	--
MW-6R	2/24/20	3789.79	--	--	--	--	--
MW-6R	2/26/20	3789.79	67.65	--	0.00	3722.14	90.05
MW-6R	3/23/20	3789.79	67.80	--	0.00	3721.99	90.05
MW-6R	5/1/20	3789.79	67.87	--	0.00	3721.92	--
MW-6R	5/11/20	3789.79	67.86	--	0.00	3721.93	--
MW-6R	6/18/20	3789.79	67.94	--	0.00	3721.85	--
MW-6R	7/27/20	3789.79	68.04	--	0.00	3721.75	--
MW-6R	8/27/20	3789.79	68.12	--	0.00	3721.67	--
MW-6R	9/15/20	3789.79	68.17	--	0.00	3721.62	90.05
MW-6R	10/28/20	3789.79	68.29	--	0.00	3721.50	--
MW-6R	12/7/20	3789.79	68.35	--	0.00	3721.44	--
MW-6R	1/25/21	3789.79	68.48	--	0.00	3721.31	--
MW-6R	2/8/21	3789.79	68.51	--	0.00	3721.28	90.09
MW-6R	3/22/21	3789.79	68.59	--	0.00	3721.20	--
MW-6R	4/26/21	3789.79	68.64	--	0.00	3721.15	--
MW-6R	5/10/21	3789.79	68.70	--	0.00	3721.09	--
MW-6R	7/28/21	3789.79	68.85	--	0.00	3720.94	--
MW-6R	8/9/21	3789.79	68.88	--	0.00	3720.91	90.07
MW-6R	9/29/21	3789.79	68.98	--	0.00	3720.81	90.09
MW-6R	10/26/21	3789.79	68.97	--	0.00	3720.82	90.09
MW-6R	11/9/21	3789.79	69.01	--	0.00	3720.78	90.09
MW-6R	12/21/21	3789.79	69.08	--	0.00	3720.71	90.09
MW-6R	2/8/22	3789.79	69.24	--	0.00	3720.55	90.06
MW-6R	5/3/22	3789.79	69.40	--	0.00	3720.39	90.06
MW-6R	8/16/22	3789.79	69.66	--	0.00	3720.13	90.06
MW-6R	11/8/22	3789.79	69.82	--	0.00	3719.97	90.06
MW-7	2/27/17	3788.65	67.11	--	0.00	3721.54	69.02
MW-7	5/30/17	3788.65	67.28	--	0.00	3721.37	69.02
MW-7	8/29/17	3791.09	67.47	--	0.00	3723.62	69.03
MW-7	11/27/17	3791.09	67.62	--	0.00	3723.47	69.02
MW-7	12/1/17	3791.09	--	--	--	--	--
MW-7	2/27/18	3791.09	67.86	--	0.00	3723.23	69.19
MW-7	5/29/18	3791.09	67.88	--	0.00	3723.21	69.19
MW-7	8/29/18	3791.09	68.13	--	0.00	3722.96	69.19
MW-7	11/26/18	3791.09	68.35	--	0.00	3722.74	69.19
MW-7	2/25/19	3791.09	68.49	--	0.00	3722.60	--
MW-7	5/20/19	3791.09	68.70	--	0.00	3722.39	--
MW-7	7/23/19	3791.09	68.85	--	0.00	3722.24	--
MW-7	10/22/19	3791.09	68.99	--	0.00	3722.10	--
MW-7	2/19/20	P&A	--	--	--	--	--
MW-7R	2/21/20	3790.51	--	--	--	--	--
MW-7R	2/26/20	3790.51	68.61	--	0.00	3721.90	90.00
MW-7R	3/23/20	3790.51	68.79	--	0.00	3721.72	90.00
MW-7R	5/1/20	3790.51	68.84	--	0.00	3721.67	--
MW-7R	5/11/20	3790.51	68.81	--	0.00	3721.70	--
MW-7R	6/18/20	3790.51	68.91	--	0.00	3721.60	--
MW-7R	7/27/20	3790.51	69.00	--	0.00	3721.51	--
MW-7R	8/27/20	3790.51	69.10	--	0.00	3721.41	--
MW-7R	9/15/20	3790.51	69.15	--	0.00	3721.36	90.00
MW-7R	10/28/20	3790.51	69.24	--	0.00	3721.27	--
MW-7R	12/7/20	3790.51	69.32	--	0.00	3721.19	--
MW-7R	1/25/21	3790.51	69.42	--	0.00	3721.09	--
MW-7R	2/8/21	3790.51	69.46	--	0.00	3721.05	90.20
MW-7R	3/22/21	3790.51	69.52	--	0.00	3720.99	--
MW-7R	4/26/21	3790.51	69.60	--	0.00	3720.91	--
MW-7R	5/10/21	3790.51	69.66	--	0.00	3720.85	--
MW-7R	7/28/21	3790.51	69.82	--	0.00	3720.69	--
MW-7R	8/9/21	3790.51	69.84	--	0.00	3720.67	90.09
MW-7R	9/29/21	3790.51	69.95	--	0.00	3720.56	90.20

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-7R	10/26/21	3790.51	69.95	--	0.00	3720.56	90.20
MW-7R	11/9/21	3790.51	69.98	--	0.00	3720.53	90.20
MW-7R	12/21/21	3790.51	70.05	--	0.00	3720.46	90.20
MW-7R	2/8/22	3790.51	70.21	--	0.00	3720.30	88.80
MW-7R	5/3/22	3790.51	70.36	--	0.00	3720.15	88.80
MW-7R	8/16/22	3790.51	70.62	--	0.00	3719.89	88.80
MW-7R	11/8/22	3790.51	70.77	--	0.00	3719.74	88.80
MW-8	2/27/17	3787.60	66.34	--	0.00	3721.26	69.21
MW-8	5/30/17	3787.60	66.52	--	0.00	3721.08	69.20
MW-8	8/29/17	3790.04	66.70	--	0.00	3723.34	69.22
MW-8	11/27/17	3790.04	66.84	--	0.00	3723.20	69.22
MW-8	12/1/17	3790.04	--	--	--	--	--
MW-8	2/27/18	3790.04	67.03	--	0.00	3723.01	69.34
MW-8	5/29/18	3790.04	67.20	--	0.00	3722.84	69.25
MW-8	8/29/18	3790.04	67.33	--	0.00	3722.71	69.34
MW-8	11/26/18	3790.04	67.56	--	0.00	3722.48	69.34
MW-8	2/25/19	3790.04	67.70	--	0.00	3722.34	--
MW-8	5/20/19	3790.04	67.90	--	0.00	3722.14	--
MW-8	7/23/19	3790.04	68.00	--	0.00	3722.04	--
MW-8	10/22/19	3790.04	68.16	--	0.00	3721.88	--
MW-8	2/19/20	P&A	--	--	--	--	--
MW-8R	2/19/20	3788.75	--	--	--	--	--
MW-8R	2/26/20	3788.75	67.22	--	0.00	3721.53	90.64
MW-8R	3/23/20	3788.75	67.39	--	0.00	3721.36	90.54
MW-8R	5/1/20	3788.75	67.45	--	0.00	3721.30	--
MW-8R	5/11/20	3788.75	67.41	--	0.00	3721.34	--
MW-8R	6/18/20	3788.75	67.51	--	0.00	3721.24	--
MW-8R	7/27/20	3788.75	67.61	--	0.00	3721.14	--
MW-8R	8/27/20	3788.75	67.68	--	0.00	3721.07	--
MW-8R	9/15/20	3788.75	67.73	--	0.00	3721.02	90.54
MW-8R	10/28/20	3788.75	67.85	--	0.00	3720.90	--
MW-8R	12/7/20	3788.75	67.92	--	0.00	3720.83	--
MW-8R	1/25/21	3788.75	68.02	--	0.00	3720.73	--
MW-8R	2/8/21	3788.75	68.05	--	0.00	3720.70	90.38
MW-8R	3/22/21	3788.75	68.12	--	0.00	3720.63	--
MW-8R	4/26/21	3788.75	68.19	--	0.00	3720.56	--
MW-8R	5/10/21	3788.75	68.24	--	0.00	3720.51	--
MW-8R	7/28/21	3788.75	68.42	--	0.00	3720.33	--
MW-8R	8/9/21	3788.75	68.42	--	0.00	3720.33	--
MW-8R	9/29/21	3788.75	68.58	--	0.00	3720.17	--
MW-8R	10/26/21	3788.75	68.57	--	0.00	3720.18	90.38
MW-8R	11/9/21	3788.75	68.60	--	0.00	3720.15	90.38
MW-8R	12/21/21	3788.75	68.69	--	0.00	3720.06	90.38
MW-8R	2/8/22	3788.75	68.80	--	0.00	3719.95	90.60
MW-8R	5/3/22	3788.75	68.95	--	0.00	3719.80	90.60
MW-8R	8/16/22	3788.75	69.19	--	0.00	3719.56	90.60
MW-8R	11/8/22	3788.75	69.37	--	0.00	3719.38	90.60
MW-9	2/27/17	3787.27	65.76	--	0.00	3721.51	68.80
MW-9	5/30/17	3787.27	65.94	--	0.00	3721.33	68.84
MW-9	8/29/17	3789.79	66.12	--	0.00	3723.67	68.79
MW-9	11/27/17	3789.79	66.27	--	0.00	3723.52	68.80
MW-9	12/1/17	3789.79	--	--	--	--	--
MW-9	2/27/18	3789.79	66.44	--	0.00	3723.35	68.91
MW-9	5/29/18	3789.79	66.61	--	0.00	3723.18	68.88
MW-9	8/29/18	3789.79	66.75	--	0.00	3723.04	68.91
MW-9	11/26/18	3789.79	66.97	--	0.00	3722.82	68.91
MW-9	2/25/19	3789.79	67.16	--	0.00	3722.63	--
MW-9	5/20/19	3789.79	67.32	--	0.00	3722.47	--
MW-9	7/23/19	3789.79	67.45	--	0.00	3722.34	--
MW-9	10/22/19	3789.79	67.61	--	0.00	3722.18	--
MW-9	2/19/20	P&A	--	--	--	--	--
MW-9R	2/20/20	3789.02	--	--	--	--	--
MW-9R	2/26/20	3789.02	67.23	--	0.00	3721.79	89.85
MW-9R	3/23/20	3789.02	67.39	--	0.00	3721.63	90.50
MW-9R	5/1/20	3789.02	67.46	--	0.00	3721.56	--
MW-9R	5/11/20	3789.02	67.48	--	0.00	3721.54	--
MW-9R	6/18/20	3789.02	67.54	--	0.00	3721.48	--
MW-9R	7/27/20	3789.02	67.61	--	0.00	3721.41	--
MW-9R	8/27/20	3789.02	67.71	--	0.00	3721.31	--

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Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-9R	9/15/20	3789.02	67.75	--	0.00	3721.27	90.50
MW-9R	10/28/20	3789.02	67.84	--	0.00	3721.18	--
MW-9R	12/7/20	3789.02	67.94	--	0.00	3721.08	--
MW-9R	1/25/21	3789.02	68.05	--	0.00	3720.97	--
MW-9R	2/8/21	3789.02	68.07	--	0.00	3720.95	89.97
MW-9R	3/22/21	3789.02	68.07	--	0.00	3720.95	--
MW-9R	4/26/21	3789.02	68.21	--	0.00	3720.81	--
MW-9R	5/10/21	3789.02	68.27	--	0.00	3720.75	--
MW-9R	7/28/21	3789.02	68.44	--	0.00	3720.58	--
MW-9R	8/9/21	3789.02	68.46	--	0.00	3720.56	89.97
MW-9R	9/29/21	3789.02	68.55	--	0.00	3720.47	89.97
MW-9R	10/26/21	3789.02	68.55	--	0.00	3720.47	89.97
MW-9R	11/9/21	3789.02	68.60	--	0.00	3720.42	89.97
MW-9R	12/21/21	3789.02	68.67	--	0.00	3720.35	89.97
MW-9R	2/8/22	3789.02	68.82	--	0.00	3720.20	90.08
MW-9R	5/3/22	3789.02	68.97	--	0.00	3720.05	90.08
MW-9R	8/16/22	3789.02	69.24	--	0.00	3719.78	90.08
MW-9R	11/8/22	3789.02	69.39	--	0.00	3719.63	90.08
MW-10	2/27/17	3787.50	66.34	--	0.00	3721.16	67.77
MW-10	5/30/17	3787.50	66.56	--	0.00	3720.94	67.75
MW-10	8/29/17	3789.88	66.68	--	0.00	3723.20	67.59
MW-10	11/27/17	3789.88	66.84	--	0.00	3723.04	67.63
MW-10	12/1/17	3789.88	--	--	--	--	--
MW-10	2/27/18	3789.88	67.02	--	0.00	3722.86	67.71
MW-10	5/29/18	3789.88	67.20	--	0.00	3722.68	67.70
MW-10	8/29/18	3789.88	67.33	--	0.00	3722.55	67.71
MW-10	11/26/18	3789.88	Dry	--	--	--	67.70
MW-10	2/25/19	3789.88	Dry	--	--	--	--
MW-10	5/20/19	3789.88	Dry	--	--	--	--
MW-10	7/23/19	3789.88	Dry	--	--	--	--
MW-10	10/22/19	3789.88	Dry	--	--	--	--
MW-10	2/19/20	P&A	-	--	--	--	--
MW-10R	2/26/20	3788.90	67.47	--	0.00	3721.43	90.20
MW-10R	3/23/20	3788.90	67.62	--	0.00	3721.28	90.25
MW-10R	5/1/20	3788.90	67.70	--	0.00	3721.20	--
MW-10R	5/11/20	3788.90	67.70	--	0.00	3721.20	--
MW-10R	6/18/20	3788.90	67.77	--	0.00	3721.13	--
MW-10R	7/27/20	3788.90	67.84	--	0.00	3721.06	--
MW-10R	8/27/20	3788.90	67.94	--	0.00	3720.96	--
MW-10R	9/15/20	3788.90	67.97	--	0.00	3720.93	90.25
MW-10R	10/28/20	3788.90	68.06	--	0.00	3720.84	--
MW-10R	12/7/20	3788.90	68.17	--	0.00	3720.73	--
MW-10R	1/25/21	3788.90	68.27	--	0.00	3720.63	--
MW-10R	2/8/21	3788.90	68.30	--	0.00	3720.60	89.61
MW-10R	3/22/21	3788.90	68.38	--	0.00	3720.52	--
MW-10R	4/26/21	3788.90	68.43	--	0.00	3720.47	--
MW-10R	5/10/21	3788.90	68.49	--	0.00	3720.41	--
MW-10R	7/28/21	3788.90	68.65	--	0.00	3720.25	--
MW-10R	8/9/21	3788.90	68.68	--	0.00	3720.22	90.33
MW-10R	9/29/21	3788.90	68.79	--	0.00	3720.11	89.61
MW-10R	10/26/21	3788.90	68.80	--	0.00	3720.10	89.61
MW-10R	11/9/21	3788.90	68.83	--	0.00	3720.07	89.61
MW-10R	12/21/21	3788.90	68.91	--	0.00	3719.99	89.61
MW-10R	2/8/22	3788.90	69.05	--	0.00	3719.85	89.90
MW-10R	5/3/22	3788.90	69.19	--	0.00	3719.71	89.90
MW-10R	8/16/22	3788.90	69.44	--	0.00	3719.46	89.90
MW-10R	11/8/22	3788.90	69.61	--	0.00	3719.29	89.90
MW-11	1/11/17	3790.65	--	--	--	--	--
MW-11	1/24/17	3790.65	--	--	--	--	--
MW-11	2/7/17	3790.65	--	--	--	--	--
MW-11	2/27/17	3790.65	67.47	--	0.00	3723.18	69.13
MW-11	3/1/17	3790.65	--	--	--	--	--
MW-11	4/3/17	3790.65	--	--	--	--	--
MW-11	5/2/17	3790.65	--	--	--	--	--
MW-11	5/17/17	3790.65	--	--	--	--	--
MW-11	5/30/17	3790.65	67.62	--	0.00	3723.03	69.11
MW-11	5/31/17	3790.65	--	--	--	--	--
MW-11	6/13/17	3790.65	--	--	--	--	--
MW-11	7/5/17	3790.65	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-11	7/13/17	3790.65	--	--	--	--	--
MW-11	8/29/17	3790.65	67.80	--	0.00	3722.85	69.13
MW-11	9/6/17	3790.65	--	--	--	--	--
MW-11	9/19/17	3790.65	--	--	--	--	--
MW-11	10/11/17	3790.65	--	--	--	--	--
MW-11	11/7/17	3790.65	--	--	--	--	--
MW-11	11/27/17	3790.65	67.92	--	0.00	3722.73	69.12
MW-11	12/1/17	3790.65	--	--	--	--	--
MW-11	2/27/18	3790.65	68.03	--	0.00	3722.62	69.18
MW-11	5/29/18	3790.65	68.29	--	0.00	3722.36	69.30
MW-11	8/29/18	3790.65	68.42	--	0.00	3722.23	69.16
MW-11	11/26/18	3790.65	68.64	--	0.00	3722.01	69.16
MW-11	2/25/19	3790.65	68.78	--	0.00	3721.87	--
MW-11	2/27/19	3790.65	--	--	--	--	--
MW-11	5/20/19	3790.65	68.97	--	0.00	3721.68	--
MW-11	7/23/19	3790.65	Dry	--	--	--	69.11
MW-11	10/22/19	3790.65	Dry	--	--	--	--
MW-11	2/19/20	P&A	--	--	--	--	--
MW-12	2/27/17	3789.64	66.59	--	--	--	86.65
MW-12	3/1/17	3789.64	--	--	--	--	--
MW-12	5/30/17	3789.64	66.75	--	--	--	86.49
MW-12	5/31/17	3789.64	--	--	--	--	--
MW-12	8/29/17	3789.64	66.95	--	0.00	3722.69	86.11
MW-12	9/6/17	3789.64	--	--	--	--	--
MW-12	11/27/17	3789.64	67.07	--	0.00	3722.57	85.92
MW-12	12/1/17	3789.64	--	--	--	--	--
MW-12	2/27/18	3789.64	67.27	--	0.00	3722.37	85.96
MW-12	5/29/18	3789.64	67.47	--	0.00	3722.17	86.04
MW-12	8/29/18	3789.64	67.57	--	0.00	3722.07	86.14
MW-12	11/26/18	3789.64	67.77	--	0.00	3721.87	86.14
MW-12	2/25/19	3789.64	67.94	--	0.00	3721.70	--
MW-12	2/27/19	3789.64	--	--	--	--	--
MW-12	5/20/19	3789.64	68.12	--	0.00	3721.52	--
MW-12	5/21/19	3789.64	--	--	--	--	--
MW-12	7/23/19	3789.64	68.30	--	0.00	3721.34	--
MW-12	7/23/19	3789.64	--	--	--	--	--
MW-12	10/22/19	3789.64	68.40	--	0.00	3721.24	--
MW-12	2/10/20	3789.64	68.64	--	0.00	3721.00	85.76
MW-12	5/1/20	3789.64	68.80	--	0.00	3720.84	--
MW-12	5/11/20	3789.64	68.79	--	0.00	3720.85	--
MW-12	6/18/20	3789.64	68.86	--	0.00	3720.78	--
MW-12	7/27/20	3789.64	68.94	--	0.00	3720.70	--
MW-12	8/27/20	3789.64	69.04	--	0.00	3720.60	--
MW-12	9/15/20	3789.64	69.06	--	0.00	3720.58	85.76
MW-12	10/28/20	3789.64	69.15	--	0.00	3720.49	--
MW-12	12/7/20	3789.64	69.25	--	0.00	3720.39	--
MW-12	1/25/21	3789.64	69.36	--	0.00	3720.28	--
MW-12	2/8/21	3789.64	69.39	--	0.00	3720.25	85.65
MW-12	2/8/21	3789.64	69.50	--	0.00	3720.14	--
MW-12	4/26/21	3789.64	69.53	--	0.00	3720.11	--
MW-12	5/10/21	3789.64	69.56	--	0.00	3720.08	--
MW-12	7/28/21	3789.64	69.72	--	0.00	3719.92	--
MW-12	8/9/21	3789.64	69.77	--	0.00	3719.87	85.65
MW-12	9/29/21	3789.64	69.86	--	0.00	3719.78	89.90
MW-12	10/26/21	3789.64	69.87	--	0.00	3719.77	89.90
MW-12	11/9/21	3789.64	69.80	--	0.00	3719.84	89.90
MW-12	12/21/21	3789.64	69.99	--	0.00	3719.65	89.90
MW-12	2/8/22	3789.64	70.10	--	0.00	3719.54	85.28
MW-12	5/3/22	3789.64	70.27	--	0.00	3719.37	85.28
MW-12	8/16/22	3789.64	70.51	--	0.00	3719.13	85.28
MW-12	11/8/22	3789.64	70.68	--	0.00	3718.96	85.28
MW-13	2/20/20	3789.7	--	--	--	--	--
MW-13	2/26/20	3789.70	67.65	--	0.00	3722.05	90.00
MW-13	3/23/20	3789.70	67.80	--	0.00	3721.90	90.05
MW-13	5/1/20	3789.70	67.88	--	0.00	3721.82	--
MW-13	5/11/20	3789.70	67.89	--	0.00	3721.81	--
MW-13	6/18/20	3789.70	67.94	--	0.00	3721.76	--
MW-13	7/27/20	3789.70	68.02	--	0.00	3721.68	--
MW-13	8/27/20	3789.70	68.12	--	0.00	3721.58	--

Table 1

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Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	9/15/20	3789.70	68.15	--	0.00	3721.55	90.05
MW-13	10/28/20	3789.70	68.29	--	0.00	3721.41	--
MW-13	12/7/20	3789.70	68.45	--	0.00	3721.25	--
MW-13	1/25/21	3789.70	68.48	--	0.00	3721.22	--
MW-13	2/8/21	3789.70	68.53	--	0.00	3721.17	90.18
MW-13	3/22/21	3789.70	68.55	--	0.00	3721.15	--
MW-13	4/26/21	3789.70	68.64	--	0.00	3721.06	--
MW-13	5/10/21	3789.70	68.69	--	0.00	3721.01	--
MW-13	7/28/21	3789.70	68.83	--	0.00	3720.87	--
MW-13	8/9/21	3789.70	68.88	--	0.00	3720.82	89.93
MW-13	9/29/21	3789.70	69.01	--	0.00	3720.69	90.18
MW-13	10/26/21	3789.70	69.00	--	0.00	3720.70	90.18
MW-13	11/9/21	3789.70	69.03	--	0.00	3720.67	90.18
MW-13	12/21/21	3789.70	69.12	--	0.00	3720.58	90.18
MW-13	2/8/22	3789.70	69.25	--	0.00	3720.45	89.80
MW-13	5/3/22	3789.70	69.41	--	0.00	3720.29	89.80
MW-13	8/16/22	3789.70	69.66	--	0.00	3720.04	89.80
MW-13	11/8/22	3789.70	69.82	--	0.00	3719.88	89.80
RW-1	2/27/17	3787.45	67.48	64.72	2.76	3722.21	--
RW-1	5/30/17	3787.45	67.48	64.90	2.58	3722.06	--
RW-1	6/13/17	3787.45	--	--	--	--	--
RW-1	6/27/17	3787.45	--	--	--	--	--
RW-1	7/5/17	3789.85	--	--	--	--	--
RW-1	7/19/17	3789.85	--	--	--	--	--
RW-1	8/28/17	3789.85	67.65	65.04	2.61	3724.31	--
RW-1	9/6/17	3789.85	--	--	--	--	--
RW-1	11/27/17	3789.85	67.58	65.19	2.39	3724.21	--
RW-1	2/27/18	3789.85	67.30	65.40	1.90	3724.09	67.87
RW-1	5/29/18	3789.85	LNAPL	65.50	2.47	--	67.97
RW-1	8/29/18	3789.85	LNAPL	65.68	2.24	--	67.92
RW-1	11/26/18	3789.85	LNAPL	65.91	2.17	--	68.08
RW-1	1/29/19	3789.85	LNAPL	--	--	--	--
RW-1	2/25/19	3789.85	68.04	66.09	1.95	3723.39	--
RW-1	4/24/19	3789.85	68.11	66.17	1.94	3723.31	--
RW-1	5/20/19	3789.85	68.04	66.24	1.80	3723.27	--
RW-1	6/11/19	3789.85	--	--	--	--	--
RW-1	6/18/19	3789.85	--	--	--	--	--
RW-1	6/25/19	3789.85	--	--	--	--	--
RW-1	7/3/19	3789.85	--	--	--	--	--
RW-1	7/8/19	3789.85	--	--	--	--	--
RW-1	7/23/19	3789.85	LNAPL	66.42	1.66	--	68.01
RW-1	8/7/19	3789.85	--	--	--	--	--
RW-1	8/13/19	3789.85	--	--	--	--	--
RW-1	8/20/19	3789.85	--	--	--	--	--
RW-1	8/28/19	3789.85	--	--	--	--	--
RW-1	9/3/19	3789.85	--	--	--	--	--
RW-1	9/10/19	3789.85	--	--	--	--	--
RW-1	10/2/19	3789.85	--	--	--	--	--
RW-1	10/22/19	3789.85	LNAPL	66.55	1.37	--	--
RW-1	11/20/19	3789.85	--	--	--	--	--
RW-1	12/10/19	3789.85	--	--	--	--	--
RW-1	12/24/19	3789.85	--	--	--	--	--
RW-1	1/8/20	3789.85	--	--	--	--	--
RW-1	1/14/20	3789.85	--	--	--	--	--
RW-1	2/10/20	3789.85	68.14	66.76	1.38	3722.83	68.18
RW-1	2/25/20	3789.85	--	--	--	--	--
RW-1	5/1/20	3789.85	LNAPL	66.92	1.13	--	68.05
RW-1	5/11/20	3789.85	68.01	66.93	1.08	3722.71	--
RW-1	6/18/20	3789.85	68.04	67.02	1.02	3722.64	--
RW-1	7/27/20	3789.85	LNAPL	67.06	0.79	--	67.85
RW-1	8/27/20	3789.85	LNAPL	67.13	0.73	--	67.86
RW-1	9/15/20	3789.85	LNAPL	67.21	0.83	--	68.04
RW-1	10/28/20	3789.85	LNAPL	67.29	0.47	--	67.76
RW-1	12/7/20	3789.85	LNAPL	67.36	0.53	--	67.89
RW-1	1/25/21	3789.85	67.98	67.50	0.39	3722.19	--
RW-1	2/8/21	3789.85	--	67.51	0.69	--	68.20
RW-1	3/22/21	3789.85	67.93	67.56	0.37	3722.22	68.20
RW-1	4/26/21	3789.85	68.05	67.55	0.50	3722.21	68.20
RW-1	5/10/21	3789.85	67.86	67.60	0.26	3722.20	68.20

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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)
RW-1	7/28/21	3789.85	LNAPL	67.77	0.43	--	68.20
RW-1	8/9/21	3789.85	67.80	67.78	0.02	3722.07	68.20
RW-1	9/29/21	3789.85	Dry	--	--	--	67.80
RW-1	10/11/21	3789.85	67.79	67.77	0.02	3722.08	68.20
RW-1	10/26/21	3789.85	67.81	67.80	0.01	3722.05	68.20
RW-1	11/9/21	3789.85	67.77	67.75	0.02	3722.10	68.20
RW-1	12/21/21	3789.85	68.12	67.91	0.21	3721.90	68.20
RW-1	2/8/22	3789.85	67.75	67.73	0.02	3722.12	--
RW-1	5/3/22	3789.85	Dry	--	--	--	67.80
RW-1	8/16/22	3789.85	Dry	--	--	--	67.80
RW-1	11/8/22	3789.85	Dry	--	--	--	67.80
RW-2	1/17/17	3787.83	--	--	--	--	--
RW-2	2/27/17	3787.83	67.92	64.93	2.99	3722.33	--
RW-2	4/3/17	3787.83	--	--	--	--	--
RW-2	4/25/17	3787.83	--	--	--	--	--
RW-2	5/10/17	3787.83	--	--	--	--	--
RW-2	5/30/17	3787.83	67.94	65.13	2.81	3722.17	--
RW-2	6/7/17	3787.83	--	--	--	--	--
RW-2	6/13/17	3787.83	--	--	--	--	--
RW-2	6/27/17	3787.83	--	--	--	--	--
RW-2	7/5/17	3790.24	--	--	--	--	--
RW-2	7/13/17	3790.24	--	--	--	--	--
RW-2	7/19/17	3790.24	--	--	--	--	--
RW-2	7/25/17	3790.24	--	--	--	--	--
RW-2	8/2/17	3790.24	--	--	--	--	--
RW-2	8/9/17	3790.24	--	--	--	--	--
RW-2	8/16/17	3790.24	--	--	--	--	--
RW-2	8/28/17	3790.24	67.92	65.33	2.59	3724.42	--
RW-2	9/6/17	3790.24	--	--	--	--	--
RW-2	9/13/17	3790.24	--	--	--	--	--
RW-2	9/19/17	3790.24	--	--	--	--	--
RW-2	10/11/17	3790.24	--	--	--	--	--
RW-2	10/18/17	3790.24	--	--	--	--	--
RW-2	10/24/17	3790.24	--	--	--	--	--
RW-2	11/1/17	3790.24	--	--	--	--	--
RW-2	11/14/17	3790.24	--	--	--	--	--
RW-2	11/22/17	3790.24	--	--	--	--	--
RW-2	11/27/17	3790.24	67.88	65.74	2.14	3724.09	--
RW-2	12/5/17	3790.24	--	--	--	--	--
RW-2	12/12/17	3790.24	--	--	--	--	--
RW-2	12/20/17	3790.24	--	--	--	--	--
RW-2	2/27/18	3790.24	67.95	65.90	2.05	3723.95	68.29
RW-2	5/29/18	3790.24	67.97	65.86	2.11	3723.98	
RW-2	8/29/18	3790.24	LNAPL	66.03	2.25	--	68.28
RW-2	11/26/18	3790.24	LNAPL	66.20	2.34	--	68.54
RW-2	1/29/19	3790.24	--	--	--	--	--
RW-2	2/25/19	3790.24	68.51	66.46	2.05	3723.39	68.30
RW-2	4/24/19	3790.24	68.54	66.48	2.06	3723.37	--
RW-2	5/20/19	3790.24	LNAPL	66.53	1.77	--	68.30
RW-2	6/11/19	3790.24	--	--	--	--	--
RW-2	6/18/19	3790.24	--	--	--	--	--
RW-2	6/25/19	3790.24	--	--	--	--	--
RW-2	7/3/19	3790.24	--	--	--	--	--
RW-2	7/8/19	3790.24	--	--	--	--	--
RW-2	7/23/19	3790.24	LNAPL	66.73	1.57	--	68.40
RW-2	8/7/19	3790.24	--	--	--	--	--
RW-2	8/20/19	3790.24	--	--	--	--	--
RW-2	8/13/19	3790.24	--	--	--	--	--
RW-2	8/28/19	3790.24	--	--	--	--	--
RW-2	9/3/19	3790.24	--	--	--	--	--
RW-2	9/10/19	3790.24	--	--	--	--	--
RW-2	10/2/19	3790.24	--	--	--	--	--
RW-2	10/22/19	3790.24	LNAPL	66.89	1.65	--	
RW-2	11/20/19	3790.24	--	--	--	--	--
RW-2	12/10/19	3790.24	--	--	--	--	--
RW-2	12/23/19	3790.24	--	--	--	--	--
RW-2	1/8/20	3790.24	--	--	--	--	--
RW-2	1/14/20	3790.24	--	--	--	--	--
RW-2	2/10/20	3790.24	LNAPL	67.09	1.43	--	68.52

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet, BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet, NAVD88)	Total Depth of Well (Feet BTOC)
RW-2	5/1/20	3790.24	LNAPL	67.21	1.19	--	68.40
RW-2	5/11/20	3790.24	68.52	67.24	1.28	3722.76	--
RW-2	6/18/20	3790.24	68.40	67.33	1.07	3722.71	--
RW-2	7/27/20	3790.24	LNAPL	67.37	0.83	--	68.20
RW-2	8/27/20	3790.24	LNAPL	67.42	0.82	--	68.24
RW-2	9/15/20	3790.24	LNAPL	67.52	0.90	--	68.42
RW-2	10/28/20	3790.24	LNAPL	67.61	0.80	--	68.41
RW-2	12/7/20	3790.24	68.43	67.69	0.74	3722.41	--
RW-2	1/25/21	3790.24	LNAPL	67.78	0.74	--	68.52
RW-2	2/8/21	3790.24	LNAPL	67.09	1.44	--	68.53
RW-2	3/22/21	3790.24	LNAPL	67.90	0.50	--	68.40
RW-2	4/26/21	3790.24	68.78	67.94	0.84	3722.14	--
RW-2	5/10/21	3790.24	LNAPL	67.96	0.44	--	68.40
RW-2	7/28/21	3790.24	LNAPL	68.11	0.03	--	68.14
RW-2	8/9/21	3790.24	68.24	68.15	0.09	3722.07	--
RW-2	9/29/21	3790.24	Dry	--	--	--	68.53
RW-2	10/26/21	3790.24	LNAPL	68.51	0.02	--	68.53
RW-2	11/9/21	3790.24	Dry	--	--	--	68.53
RW-2	12/21/21	3790.24	Dry	--	--	--	68.53
RW-2	2/8/22	3790.24	Dry	--	--	--	67.52
RW-2	5/3/22	3790.24	Dry	--	--	--	67.52
RW-2	8/16/22	3790.24	Dry	--	--	--	67.52
RW-2	11/8/22	3790.24	LNAPL	62.51	5.01	--	67.52
RW-3	2/27/17	3787.81	71.62	66.15	5.47	3720.62	--
RW-3	4/25/17	3787.81	--	--	--	--	--
RW-3	5/10/17	3787.81	--	--	--	--	--
RW-3	5/30/17	3787.81	70.73	65.47	5.26	3721.34	--
RW-3	6/13/17	3787.81	--	--	--	--	--
RW-3	6/27/17	3787.81	--	--	--	--	--
RW-3	7/5/17	3790.24	--	--	--	--	--
RW-3	7/13/17	3790.24	--	--	--	--	--
RW-3	7/19/17	3790.24	--	--	--	--	--
RW-3	7/25/17	3790.24	--	--	--	--	--
RW-3	8/2/17	3790.24	--	--	--	--	--
RW-3	8/9/17	3790.24	--	--	--	--	--
RW-3	8/16/17	3790.24	--	--	--	--	--
RW-3	8/28/17	3790.24	70.77	65.65	5.12	3723.62	--
RW-3	9/6/17	3790.24	--	--	--	--	--
RW-3	9/13/17	3790.24	--	--	--	--	--
RW-3	9/19/17	3790.24	--	--	--	--	--
RW-3	10/11/17	3790.24	--	--	--	--	--
RW-3	10/18/17	3790.24	--	--	--	--	--
RW-3	10/24/17	3790.24	--	--	--	--	--
RW-3	11/7/17	3790.24	--	--	--	--	--
RW-3	11/14/17	3790.24	--	--	--	--	--
RW-3	11/22/17	3790.24	--	--	--	--	--
RW-3	11/27/17	3790.24	69.46	66.36	3.10	3723.29	--
RW-3	12/5/17	3790.24	--	--	--	--	--
RW-3	12/12/17	3790.24	--	--	--	--	--
RW-3	12/20/17	3790.24	--	--	--	--	--
RW-3	2/27/18	3790.24	70.02	66.44	3.58	3723.12	71.27
RW-3	5/29/18	3790.24	70.76	66.13	4.63	3723.23	
RW-3	8/29/18	3790.24	70.72	66.25	4.47	3723.14	71.27
RW-3	11/26/18	3790.24	70.50	66.73	3.77	3722.79	--
RW-3	1/29/19	3790.24	--	--	--	--	--
RW-3	2/6/19	3790.24	--	--	--	--	--
RW-3	2/25/19	3790.24	70.76	66.63	4.13	3722.83	--
RW-3	5/20/19	3790.24	70.49	67.29	3.20	3722.34	--
RW-3	7/16/19	3790.24	71.34	67.77	3.57	3721.79	--
RW-3	7/23/19	3790.24	71.33	67.52	3.81	3722.00	--
RW-3	10/22/19	3790.24	69.80	67.20	2.60	3722.55	--
RW-3	2/10/20	3790.24	70.75	67.32	3.43	3722.27	71.30
RW-3	5/1/20	3790.24	--	--	--	--	--
RW-3	5/11/20	3790.24	70.75	67.82	2.93	3721.86	--
RW-3	6/18/20	3790.24	70.73	67.61	3.12	3722.04	--
RW-3	7/27/20	3790.24	70.71	67.65	3.06	3722.01	--
RW-3	8/27/20	3790.24	70.71	67.70	3.01	3721.97	--
RW-3	9/15/20	3790.24	70.71	67.78	2.93	3721.90	--
RW-3	10/28/20	3790.24	70.71	67.88	2.83	3721.82	--

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Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	12/7/20	3790.24	70.71	67.88	2.83	3721.82	--
RW-3	1/25/21	3790.24	70.76	68.05	2.71	3721.68	--
RW-3	2/8/21	3790.24	70.77	68.08	2.69	3721.65	71.27
RW-3	3/22/21	3790.24	70.73	68.19	2.54	3721.57	--
RW-3	4/26/21	3790.24	70.70	68.72	1.98	3721.14	--
RW-3	5/10/21	3790.24	70.65	68.29	2.36	3721.50	--
RW-3	7/28/21	3790.24	70.71	68.45	2.26	3721.36	--
RW-3	8/9/21	3790.24	70.70	68.78	1.92	3721.10	--
RW-3	9/29/21	3790.24	70.73	68.58	2.15	3721.25	71.27
RW-3	10/26/21	3790.24	70.73	68.60	2.13	3721.24	71.27
RW-3	11/9/21	3790.24	70.70	68.64	2.06	3721.21	71.27
RW-3	12/21/21	3790.24	70.73	68.75	1.98	3721.11	71.27
RW-3	2/8/22	3790.24	70.68	68.82	1.86	3721.07	--
RW-3	5/3/22	3790.24	71.11	69.02	2.09	3720.82	71.20
RW-3	8/16/22	3790.24	LNAPL	69.28	1.92	--	71.20
RW-3	11/8/22	3790.24	LNAPL	69.44	1.82	--	71.26
RW-4	1/17/17	3787.74	--	--	--	--	--
RW-4	2/15/17	3787.74	--	--	--	--	--
RW-4	2/27/17	3787.74	70.97	65.58	5.39	3721.14	--
RW-4	4/25/17	3787.74	--	--	--	--	--
RW-4	5/10/17	3787.74	--	--	--	--	--
RW-4	5/30/17	3787.74	71.01	65.75	5.26	3720.99	--
RW-4	6/13/17	3787.74	--	--	--	--	--
RW-4	6/27/17	3787.74	--	--	--	--	--
RW-4	7/5/17	3790.20	--	--	--	--	--
RW-4	7/13/17	3790.20	--	--	--	--	--
RW-4	7/19/17	3790.20	--	--	--	--	--
RW-4	7/25/17	3790.20	--	--	--	--	--
RW-4	8/2/17	3790.20	--	--	--	--	--
RW-4	8/9/17	3790.20	--	--	--	--	--
RW-4	8/28/17	3790.20	LNAPL	65.94	0.86	--	66.80
RW-4	9/6/17	3790.20	--	--	--	--	--
RW-4	11/27/17	3790.20	LNAPL	66.04	0.76	--	66.80
RW-4	2/27/18	3790.20	--	--	--	--	66.81
RW-4	5/29/18	3790.20	--	--	--	--	66.08
RW-4	8/29/18	3790.20	66.97	66.46	0.51	3723.64	66.81
RW-4	11/26/18	3790.20	Dry	--	--	--	67.06
RW-4	2/25/19	3790.20	Dry	--	--	--	--
RW-4	5/20/19	3790.20	67.10	66.98	0.12	3723.20	
RW-4	7/23/19	3790.20	Dry	--	--	--	66.95
RW-4	10/22/19	3790.20	Dry	--	--	--	
RW-4	2/19/20	P&A	--	--	--	--	--
RW-4R	2/24/20	3789.19	--	--	--	--	--
RW-4R	2/26/20	3789.19	67.69	67.60	0.09	3721.57	90.11
RW-4R	3/23/20	3789.19	69.05	67.53	1.52	3721.37	90.05
RW-4R	5/1/20	3789.19	72.04	66.96	5.08	3721.26	--
RW-4R	5/11/20	3789.19	72.51	66.89	5.62	3721.23	--
RW-4R	6/18/20	3789.19	--	--	--	--	--
RW-4R	7/27/20	3789.19	--	--	--	--	--
RW-4R	8/27/20	3789.19	--	--	--	--	--
RW-4R	9/15/20	3789.19	72.65	67.21	5.44	3720.95	--
RW-4R	10/28/20	3789.19	72.26	67.38	4.88	3720.88	--
RW-4R	12/7/20	3789.19	--	--	--	--	--
RW-4R	1/25/21	3789.19	--	--	--	--	--
RW-4R	2/8/21	3789.19	71.77	67.74	4.03	3720.68	90.31
RW-4R	3/22/21	3789.19	--	--	--	--	--
RW-4R	4/26/21	3789.19	--	--	--	--	--
RW-4R	5/10/21	3789.19	71.58	68.03	3.55	3720.49	--
RW-4R	7/28/21	3789.19	--	--	--	--	--
RW-4R	8/9/21	3789.19	72.25	68.28	3.97	3720.16	--
RW-4R	9/29/21	3789.19	72.46	68.18	4.28	3720.20	90.31
RW-4R	10/26/21	3789.19	72.46	68.19	4.27	3720.19	90.31
RW-4R	11/9/21	3789.19	73.73	68.22	5.51	3719.92	90.31
RW-4R	12/21/21	3789.19	Pump	--	--	--	90.31
RW-4R	2/8/22	3789.19	74.33	68.42	5.91	3719.65	--
RW-4R	5/3/22	3789.19	74.30	68.58	5.72	3719.52	90.26
RW-4R	8/16/22	3789.19	Pump	--	--	--	90.26
RW-4R	11/8/22	3789.19	75.28	68.98	6.30	3719.01	90.26

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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-5	2/27/17	3787.38	69.72	65.43	4.29	3721.13	--
RW-5	5/30/17	3787.38	71.17	65.58	5.59	3720.74	--
RW-5	6/13/17	3787.38	--	--	--	--	--
RW-5	6/27/17	3787.38	--	--	--	--	--
RW-5	7/19/17	3789.81	--	--	--	--	--
RW-5	8/28/17	3789.81	70.77	65.67	5.10	3723.17	--
RW-5	10/18/17	3789.81	--	--	--	--	--
RW-5	11/27/17	3789.81	71.14	65.74	5.40	3723.04	--
RW-5	2/27/18	3789.81	71.06	66.00	5.06	3722.85	71.73
RW-5	5/29/18	3789.81	71.85	66.08	5.77	3722.63	--
RW-5	8/29/18	3789.81	69.43	66.71	2.72	3722.58	71.84
RW-5	11/26/18	3789.81	70.75	66.46	4.29	3722.53	--
RW-5	2/25/19	3789.81	71.22	66.84	4.38	3722.14	--
RW-5	5/20/19	3789.81	68.38	67.58	0.80	3722.08	--
RW-5	6/10/19	3789.81	68.85	67.50	1.35	3722.05	--
RW-5	7/16/19	3789.81	68.17	67.79	0.38	3721.95	--
RW-5	7/23/19	3789.81	68.37	67.80	0.57	3721.90	--
RW-5	8/20/19	3789.81	--	--	--	--	--
RW-5	8/13/19	3789.81	--	--	--	--	--
RW-5	8/28/19	3789.81	--	--	--	--	--
RW-5	9/3/19	3789.81	--	--	--	--	--
RW-5	9/10/19	3789.81	--	--	--	--	--
RW-5	10/2/19	3789.81	--	--	--	--	--
RW-5	10/22/19	3789.81	69.26	67.78	1.48	3721.75	--
RW-5	11/13/19	3789.81	70.14	67.68	2.46	3721.66	--
RW-5	11/20/19	3789.81	--	--	--	--	--
RW-5	12/10/19	3789.81	--	--	--	--	--
RW-5	12/23/19	3789.81	--	--	--	--	--
RW-5	1/8/20	3789.81	--	--	--	--	--
RW-5	1/14/20	3789.81	--	--	--	--	--
RW-5	2/10/20	3789.81	69.87	67.90	1.97	3721.54	71.70
RW-5	2/25/20	3789.81	--	--	--	--	--
RW-5	5/1/20	3789.81	LNAPL	67.48	4.16+	--	71.64
RW-5	5/11/20	3789.81	71.63	67.48	4.15	3721.54	--
RW-5	6/18/20	3789.81	--	--	--	--	--
RW-5	7/27/20	3789.81	--	--	--	--	--
RW-5	8/27/20	3789.81	--	--	--	--	--
RW-5	9/15/20	3789.81	69.27	68.64	0.63	3721.05	--
RW-5	10/28/20	3789.81	70.76	68.40	2.36	3720.96	--
RW-5	12/7/20	3789.81	LNAPL	68.18	3.47	--	71.65
RW-5	1/25/21	3789.81	LNAPL	68.07	3.63	--	71.70
RW-5	2/8/21	3789.81	LNAPL	68.01	3.67	--	71.68
RW-5	3/22/21	3789.81	LNAPL	68.17	3.42	--	71.59
RW-5	4/26/21	3789.81	71.70	68.21	3.49	3720.94	--
RW-5	5/10/21	3789.81	LNAPL	68.27	3.35	--	71.62
RW-5	7/28/21	3789.81	71.53	68.45	3.08	3720.77	--
RW-5	8/9/21	3789.81	71.57	68.47	3.10	3720.75	--
RW-5	9/29/21	3789.81	71.65	68.57	3.08	3720.65	71.68
RW-5	10/26/21	3789.81	LNAPL	68.60	3.08	--	71.68
RW-5	11/9/21	3789.81	71.61	68.65	2.96	3720.60	71.68
RW-5	12/21/21	3789.81	Pump	--	--	--	71.68
RW-5	2/8/22	3789.81	71.61	68.84	2.77	3720.44	--
RW-5	5/3/22	3789.81	71.61	69.22	2.39	3720.14	71.78
RW-5	8/16/22	3789.81	71.48	69.41	2.07	3720.01	71.78
RW-5	11/8/22	3789.81	71.68	69.58	2.10	3719.83	71.78
RW-6	1/17/17	3787.22	--	--	--	--	--
RW-6	2/15/17	3787.22	--	--	--	--	--
RW-6	2/27/17	3787.22	LNAPL	64.77	3.93	--	68.70
RW-6	4/25/17	3787.22	--	--	--	--	--
RW-6	5/10/17	3787.22	--	--	--	--	--
RW-6	5/30/17	3787.22	LNAPL	65.00	3.21	--	68.21
RW-6	6/13/17	3787.22	--	--	--	--	--
RW-6	7/5/17	3789.56	--	--	--	--	--
RW-6	7/13/17	3789.56	--	--	--	--	--
RW-6	7/25/17	3789.56	--	--	--	--	--
RW-6	8/2/17	3789.56	--	--	--	--	--
RW-6	8/9/17	3789.56	--	--	--	--	--
RW-6	8/16/17	3789.56	--	--	--	--	--
RW-6	8/28/17	3789.56	67.87	65.77	2.10	3723.39	--

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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)
RW-6	9/6/17	3789.56	--	--	--	--	--
RW-6	9/13/17	3789.56	--	--	--	--	--
RW-6	9/19/17	3789.56	--	--	--	--	--
RW-6	10/11/17	3789.56	--	--	--	--	--
RW-6	10/24/17	3789.56	--	--	--	--	--
RW-6	11/7/17	3789.56	--	--	--	--	--
RW-6	11/14/17	3789.56	--	--	--	--	--
RW-6	11/22/17	3789.56	--	--	--	--	--
RW-6	11/27/17	3789.56	66.91	66.12	0.79	3723.29	--
RW-6	12/5/17	3789.56	--	--	--	--	--
RW-6	12/12/17	3789.56	--	--	--	--	--
RW-6	12/20/17	3789.56	--	--	--	--	--
RW-6	2/27/18	3789.56	--	--	--	--	--
RW-6	5/29/18	3789.56	70.48	65.83	4.65	3722.85	--
RW-6	8/29/18	3789.56	69.05	66.26	2.79	3722.77	68.86
RW-6	11/26/18	3789.56	68.56	66.40	2.16	3722.75	--
RW-6	1/29/19	3789.56	--	--	--	--	--
RW-6	2/25/19	3789.56	LNAPL	66.20	2.66	--	68.86
RW-6	5/8/19	3789.56	-	-	-	--	--
RW-6	5/20/19	3789.56	LNAPL	66.80	2.06	--	68.86
RW-6	6/11/19	3789.56	--	--	--	--	--
RW-6	6/18/19	3789.56	--	--	--	--	--
RW-6	6/25/19	3789.56	--	--	--	--	--
RW-6	7/8/19	3789.56	--	--	--	--	--
RW-6	7/16/19	3789.56	LNAPL	66.77	1.95	--	68.86
RW-6	7/23/19	3789.56	LNAPL	66.35	2.51	--	68.70
RW-6	8/7/19	3789.56	--	--	--	--	--
RW-6	8/13/19	3789.56	--	--	--	--	--
RW-6	8/20/19	3789.56	--	--	--	--	--
RW-6	8/28/19	3789.56	--	--	--	--	--
RW-6	9/3/19	3789.56	--	--	--	--	--
RW-6	9/10/19	3789.56	--	--	--	--	--
RW-6	10/2/19	3789.56	--	--	--	--	--
RW-6	10/22/19	3789.56	LNAPL	66.49	2.37	--	--
RW-6	12/10/19	3789.56	--	--	--	--	--
RW-6	1/14/20	3789.56	--	--	--	--	--
RW-6	2/10/20	3789.56	LNAPL	66.63	4.16	--	70.79
RW-6	5/1/20	3789.56	--	--	--	--	--
RW-6	5/11/20	3789.56	70.66	66.82	3.84	3722.01	--
RW-6	6/18/20	3789.56	--	--	--	--	--
RW-6	7/27/20	3789.56	--	--	--	--	--
RW-6	8/27/20	3789.56	--	--	--	--	--
RW-6	9/15/20	3789.56	LNAPL	67.13	1.61	--	68.74
RW-6	10/28/20	3789.56	71.63	67.22	4.41	3721.50	--
RW-6	12/7/20	3789.56	LNAPL	67.29	3.75	--	71.04
RW-6	1/25/21	3789.56	LNAPL	67.40	3.45	--	70.85
RW-6	2/8/21	3789.56	LNAPL	67.42	3.58	--	71.00
RW-6	3/22/21	3789.56	LNAPL	67.52	1.21	--	68.73
RW-6	4/26/21	3789.56	LNAPL	67.50	1.23	--	68.73
RW-6	5/10/21	3789.56	LNAPL	67.62	1.09	--	68.71
RW-6	7/28/21	3789.56	LNAPL	67.82	0.89	--	68.71
RW-6	8/9/21	3789.56	LNAPL	68.11	0.94	--	69.05
RW-6	9/29/21	3789.56	LNAPL	68.23	2.77	--	71.00
RW-6	10/26/21	3789.56	LNAPL	68.23	2.77	--	71.00
RW-6	11/9/21	3789.56	LNAPL	68.27	2.73	--	71.00
RW-6	12/21/21	3789.56	LNAPL	68.12	2.88	--	71.00
RW-6	2/8/22	3789.56	LNAPL	68.46	2.56	--	71.02
RW-6	5/3/22	3789.56	68.98	68.65	0.33	3720.85	71.02
RW-6	8/16/22	3789.56	NA	--	--	--	71.02
RW-6	11/8/22	3789.56	LNAPL	69.10	1.92	--	71.02
RW-7R	2/27/17	3787.65	69.11	67.18	1.93	3720.10	--
RW-7R	4/25/17	3787.65	--	--	--	--	--
RW-7R	5/10/17	3787.65	--	--	--	--	--
RW-7R	5/30/17	3787.65	69.95	66.36	3.59	3720.61	--
RW-7R	6/13/17	3787.65	--	--	--	--	--
RW-7R	6/27/17	3787.65	--	--	--	--	--
RW-7R	7/19/17	3790.58	--	--	--	--	--
RW-7R	8/28/17	3790.58	70.67	65.74	4.93	3723.90	--
RW-7R	11/27/17	3790.58	71.36	65.76	5.60	3723.76	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-7R	2/27/18	3790.58	68.24	66.68	1.56	3723.60	81.34
RW-7R	5/29/18	3790.58	68.73	66.95	1.78	3723.29	
RW-7R	8/29/18	3790.58	68.16	67.08	1.08	3723.29	81.34
RW-7R	11/26/18	3790.58	68.21	67.28	0.93	3723.12	--
RW-7R	12/4/18	3790.58	68.50	67.24	1.26	3723.10	--
RW-7R	2/25/19	3790.58	68.39	67.50	0.89	3722.91	--
RW-7R	4/24/19	3790.58	68.05	67.68	0.37	3722.83	--
RW-7R	5/20/19	3790.58	68.62	67.61	1.01	3722.78	--
RW-7R	6/11/19	3790.58	--	--	--	--	--
RW-7R	6/18/19	3790.58	--	--	--	--	--
RW-7R	6/25/19	3790.58	--	--	--	--	--
RW-7R	7/3/19	3790.58	--	--	--	--	--
RW-7R	7/8/19	3790.58	--	--	--	--	--
RW-7R	7/16/19	3790.58	68.44	67.80	0.64	3722.66	--
RW-7R	7/23/19	3790.58	68.60	67.80	0.80	3722.63	--
RW-7R	8/7/19	3790.58	--	--	--	--	--
RW-7R	8/20/19	3790.58	--	--	--	--	--
RW-7R	8/28/19	3790.58	--	--	--	--	--
RW-7R	9/3/19	3790.58	--	--	--	--	--
RW-7R	9/10/19	3790.58	--	--	--	--	--
RW-7R	10/2/19	3790.58	--	--	--	--	--
RW-7R	10/22/19	3790.58	69.12	67.90	1.22	3722.45	--
RW-7R	11/20/19	3790.58	--	--	--	--	--
RW-7R	12/24/19	3790.58	--	--	--	--	--
RW-7R	1/14/20	3790.58	--	--	--	--	--
RW-7R	1/29/20	3790.58	69.10	68.15	0.95	3722.25	--
RW-7R	2/10/20	3790.58	68.48	68.26	0.22	3722.28	81.23
RW-7R	2/25/20	3790.58	--	--	--	--	--
RW-7R	5/1/20	3790.58	69.93	68.18	1.75	3722.07	--
RW-7R	5/11/20	3790.58	70.08	68.13	1.95	3722.08	--
RW-7R	6/18/20	3790.58	70.69	68.18	2.51	3721.92	--
RW-7R	7/27/20	3790.58	71.20	68.14	3.06	3721.86	--
RW-7R	8/27/20	3790.58	71.51	68.10	3.41	3721.83	--
RW-7R	9/15/20	3789.90	71.80	68.19	3.61	3721.02	--
RW-7R	10/28/20	3789.90	72.14	68.22	3.92	3720.94	--
RW-7R	12/7/20	3789.90	72.35	68.23	4.12	3720.89	--
RW-7R	1/25/21	3789.90	72.64	68.28	4.36	3720.79	--
RW-7R	2/8/21	3789.90	72.72	68.30	4.42	3720.76	81.24
RW-7R	3/22/21	3789.90	--	--	--	--	--
RW-7R	4/26/21	3789.90	--	--	--	--	--
RW-7R	5/10/21	3789.90	69.07	69.02	0.05	3720.87	--
RW-7R	7/28/21	3789.90	71.04	69.09	1.95	3720.44	--
RW-7R	8/9/21	3789.90	71.23	69.08	2.15	3720.41	--
RW-7R	9/29/21	3789.90	71.80	69.10	2.70	3720.29	81.24
RW-7R	10/26/21	3789.90	71.84	69.14	2.70	3720.25	81.24
RW-7R	11/9/21	3789.90	72.11	69.10	3.01	3720.23	81.24
RW-7R	12/21/21	3789.90	71.96	69.28	2.68	3720.11	81.24
RW-7R	2/8/22	3789.90	72.65	69.21	3.44	3720.04	--
RW-7R	5/3/22	3789.90	71.16	69.76	1.40	3719.87	81.18
RW-7R	8/16/22	3789.90	71.00	70.11	0.89	3719.62	81.18
RW-7R	11/8/22	3789.90	71.63	70.20	1.43	3719.43	81.18
RW-8	2/27/17	3787.40	72.08	64.70	7.38	3721.30	--
RW-8	4/25/17	3787.40	--	--	--	--	--
RW-8	5/10/17	3787.40	--	--	--	--	--
RW-8	5/30/17	3787.40	72.13	65.14	6.99	3720.93	--
RW-8	6/13/17	3787.40	--	--	--	--	--
RW-8	6/27/17	3787.40	--	--	--	--	--
RW-8	7/19/17	3790.01	--	--	--	--	--
RW-8	8/28/17	3790.01	72.12	65.10	7.02	3723.58	--
RW-8	11/27/17	3790.01	72.46	65.21	7.25	3723.42	--
RW-8	2/27/18	3790.01	71.55	65.61	5.94	3723.27	82.94
RW-8	5/29/18	3790.01	70.44	66.08	4.36	3723.10	
RW-8	8/29/18	3790.01	69.25	66.50	2.75	3722.99	82.94
RW-8	11/26/18	3790.01	69.88	66.65	3.23	3722.75	--
RW-8	2/25/19	3790.01	72.29	66.64	5.65	3722.30	--
RW-8	5/20/19	3790.01	72.75	66.41	6.34	3722.40	--
RW-8	7/16/19	3790.01	72.31	66.68	5.63	3722.26	--
RW-8	7/23/19	3790.01	72.67	66.65	6.02	3722.22	--
RW-8	8/13/19	3790.01	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	10/22/19	3790.01	71.54	67.04	4.50	3722.12	--
RW-8	2/10/20	3790.01	73.08	67.00	6.08	3721.85	82.82
RW-8	5/1/20	3790.01	--	--	--	--	--
RW-8	5/11/20	3790.01	70.96	67.63	3.33	3721.75	--
RW-8	6/18/20	3790.01	72.93	67.34	5.59	3721.61	--
RW-8	7/27/20	3790.01	73.53	67.28	6.25	3721.54	--
RW-8	8/27/20	3790.01	73.74	67.31	6.43	3721.48	--
RW-8	9/15/20	3790.01	73.91	67.39	6.52	3721.38	--
RW-8	10/28/20	3790.01	74.11	67.46	6.65	3721.29	--
RW-8	12/7/20	3790.01	74.24	67.52	6.72	3721.21	--
RW-8	1/25/21	3790.01	74.39	67.61	6.78	3721.11	--
RW-8	2/8/21	3790.01	74.41	67.68	6.73	3721.05	82.81
RW-8	3/22/21	3790.01	--	--	--	--	--
RW-8	4/26/21	3790.01	--	--	--	--	--
RW-8	5/10/21	3790.01	70.19	68.76	1.43	3720.98	--
RW-8	7/28/21	3790.01	--	--	--	--	--
RW-8	8/9/21	3790.01	70.23	68.98	1.25	3720.79	--
RW-8	9/29/21	3790.01	70.18	68.91	1.27	3720.86	82.81
RW-8	10/26/21	3790.01	70.19	68.91	1.28	3720.86	82.81
RW-8	11/9/21	3790.01	70.88	69.25	1.63	3720.45	82.81
RW-8	12/21/21	3790.01	72.05	68.93	3.12	3720.49	82.81
RW-8	2/8/22	3790.01	74.87	68.67	6.20	3720.16	--
RW-8	3/21/21	3790.01	69.88	69.60	0.28	3720.36	82.71
RW-8	5/3/22	3790.01	72.11	69.33	2.78	3720.15	82.71
RW-8	8/16/22	3790.01	72.05	69.59	2.46	3719.95	82.71
RW-8	11/8/22	3790.01	71.05	70.19	0.86	3719.66	82.71
RW-9	2/27/17	3787.57	68.75	65.96	2.79	3721.08	--
RW-9	5/30/17	3787.57	67.29	66.44	0.85	3720.97	--
RW-9	7/5/17	3790.00	--	--	--	--	--
RW-9	7/19/17	3790.00	--	--	--	--	--
RW-9	8/29/17	3790.00	67.57	66.59	0.98	3723.22	--
RW-9	9/6/17	3790.00	--	--	--	--	--
RW-9	11/27/17	3790.00	68.06	66.67	1.39	3723.07	--
RW-9	2/27/18	3790.00	67.77	66.95	0.82	3722.89	82.49
RW-9	5/29/18	3790.00	68.20	67.05	1.15	3722.73	--
RW-9	8/29/18	3790.00	67.49	67.36	0.13	3722.62	82.49
RW-9	11/26/18	3790.00	68.05	67.50	0.55	3722.40	--
RW-9	2/6/19	3790.00	--	--	--	--	--
RW-9	2/25/19	3790.00	68.67	67.55	1.12	3722.24	--
RW-9	4/24/19	3790.00	70.79	66.04	4.75	3723.06	--
RW-9	5/20/19	3790.00	69.18	67.69	1.49	3722.03	--
RW-9	7/23/19	3790.00	69.36	67.82	1.54	3721.89	--
RW-9	10/22/19	3790.00	68.51	68.16	0.35	3721.77	--
RW-9	1/8/20	3790.00	--	--	--	--	--
RW-9	2/10/20	3790.00	68.90	68.38	0.52	3721.52	82.85
RW-9	2/25/20	3790.00	--	--	--	--	--
RW-9	5/1/20	3790.00	69.20	68.52	0.68	3721.35	--
RW-9	5/11/20	3790.00	69.21	66.85	2.36	3722.70	--
RW-9	6/18/20	3790.00	69.39	68.56	0.83	3721.28	--
RW-9	7/27/20	3790.00	69.50	68.64	0.86	3721.20	--
RW-9	8/27/20	3790.00	69.58	68.68	0.90	3721.15	--
RW-9	9/15/20	3790.00	69.68	68.77	0.91	3721.06	--
RW-9	10/28/20	3790.00	69.90	68.25	1.65	3721.44	--
RW-9	12/7/20	3790.00	70.04	68.90	1.14	3720.88	--
RW-9	1/25/21	3790.00	70.18	69.00	1.18	3720.78	--
RW-9	2/8/21	3790.00	70.22	69.02	1.20	3720.75	82.65
RW-9	3/22/21	3790.00	70.33	69.12	1.21	3720.65	--
RW-9	4/26/21	3790.00	70.45	69.15	1.30	3720.60	--
RW-9	5/10/21	3790.00	70.50	69.19	1.31	3720.56	--
RW-9	7/28/21	3790.00	70.77	69.33	1.44	3720.40	--
RW-9	8/9/21	3790.00	70.80	69.73	1.07	3720.07	--
RW-9	9/29/21	3790.00	71.05	69.43	1.62	3720.26	82.65
RW-9	10/26/21	3790.00	71.04	69.45	1.59	3720.25	82.65
RW-9	11/9/21	3790.00	71.18	69.46	1.72	3720.21	82.65
RW-9	12/21/21	3790.00	71.14	69.57	1.57	3720.13	82.65
RW-9	2/8/22	3790.00	71.51	69.62	1.89	3720.02	--
RW-9	5/3/22	3790.00	71.13	70.03	1.10	3719.76	87.48
RW-9	8/16/22	3790.00	71.13	70.24	0.89	3719.59	87.48
RW-9	11/8/22	3790.00	71.25	70.56	0.69	3719.31	87.48

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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	1/17/17	3787.29	--	--	--	--	--
RW-10	2/15/17	3787.29	--	--	--	--	--
RW-10	2/27/17	3787.29	71.08	64.91	6.17	3721.21	--
RW-10	4/25/17	3787.29	--	--	--	--	--
RW-10	5/10/17	3787.29	--	--	--	--	--
RW-10	5/30/17	3787.29	71.29	65.05	6.24	3721.05	--
RW-10	6/13/17	3787.29	--	--	--	--	--
RW-10	6/27/17	3787.29	--	--	--	--	--
RW-10	8/28/17	3789.69	71.46	65.25	6.21	3723.26	--
RW-10	11/27/17	3789.69	71.78	65.33	6.45	3723.13	--
RW-10	2/27/18	3789.69	71.83	65.53	6.30	3722.96	82.56
RW-10	5/29/18	3789.69	72.95	65.70	7.25	3722.61	--
RW-10	8/29/18	3789.69	72.83	65.78	7.05	3722.57	82.56
RW-10	11/26/18	3789.69	72.95	66.08	6.87	3722.30	--
RW-10	12/4/18	3789.69	73.41	66.02	7.39	3722.27	--
RW-10	1/29/19	3789.69	--	--	--	--	--
RW-10	2/25/19	3789.69	72.53	66.27	6.26	3722.23	--
RW-10	5/20/19	3789.69	70.30	68.90	1.40	3720.52	--
RW-10	7/16/19	3789.69	69.55	67.43	2.12	3721.86	--
RW-10	7/23/19	3789.69	70.63	67.23	3.40	3721.81	--
RW-10	10/22/19	3789.69	69.89	67.60	2.29	3721.65	--
RW-10	2/10/20	3789.69	73.06	66.96	6.10	3721.57	82.60
RW-10	5/1/20	3789.69	--	--	--	--	--
RW-10	5/11/20	3789.69	69.54	67.91	1.63	3721.47	--
RW-10	6/18/20	3789.69	73.30	67.22	6.08	3721.31	--
RW-10	7/27/20	3789.69	73.53	67.25	6.28	3721.25	--
RW-10	8/27/20	3789.69	73.61	67.30	6.31	3721.19	--
RW-10	9/15/20	3789.56	73.73	67.37	6.36	3720.98	--
RW-10	10/28/20	3789.56	70.89	68.08	2.81	3720.95	--
RW-10	12/7/20	3789.56	--	--	--	--	--
RW-10	1/25/21	3789.56	--	--	--	--	--
RW-10	2/8/21	3789.56	70.33	68.43	1.90	3720.77	82.45
RW-10	3/22/21	3789.56	73.97	67.81	6.16	3720.58	--
RW-10	4/26/21	3789.56	74.16	67.83	6.33	3720.53	--
RW-10	5/10/21	3789.56	74.21	67.87	6.34	3720.49	--
RW-10	7/28/21	3789.56	--	--	--	--	--
RW-10	8/9/21	3789.56	70.34	68.28	2.06	3720.89	--
RW-10	9/29/21	3789.56	70.70	68.96	1.74	3720.27	82.45
RW-10	10/26/21	3789.56	70.70	68.96	1.74	3720.27	82.45
RW-10	11/9/21	3789.56	71.27	68.90	2.37	3720.21	82.45
RW-10	12/21/21	3789.56	70.81	69.11	1.70	3720.13	82.45
RW-10	2/8/22	3789.56	74.24	68.62	5.62	3719.87	--
RW-10	5/3/22	3789.56	71.35	69.34	2.01	3719.84	82.44
RW-10	8/16/22	3789.56	Pump	--	--	--	82.44
RW-10	11/8/22	3789.56	76.15	68.68	7.47	3719.46	82.44
RW-11	2/27/17	3789.77	66.17	--	--	--	85.80
RW-11	3/1/17	3789.77	--	--	--	--	--
RW-11	5/2/17	3789.77	--	--	--	--	--
RW-11	5/17/17	3789.77	--	--	--	--	--
RW-11	5/30/17	3789.77	66.33	--	0.00	3723.44	85.62
RW-11	5/31/17	3789.77	--	--	--	--	--
RW-11	6/13/17	3789.77	--	--	--	--	--
RW-11	6/27/17	3789.77	--	--	--	--	--
RW-11	7/5/17	3789.77	--	--	--	--	--
RW-11	7/13/17	3789.77	--	--	--	--	--
RW-11	7/25/17	3789.77	--	--	--	--	--
RW-11	8/29/17	3789.77	--	--	--	--	--
RW-11	8/30/17	3789.77	66.51	66.51	0.00	3723.26	85.58
RW-11	9/6/17	3789.77	--	--	--	--	--
RW-11	9/19/17	3789.77	--	--	--	--	--
RW-11	10/11/17	3789.77	--	--	--	--	--
RW-11	10/24/17	3789.77	--	--	--	--	--
RW-11	11/1/17	3789.77	--	--	--	--	--
RW-11	11/7/17	3789.77	--	--	--	--	--
RW-11	11/14/17	3789.77	--	--	--	--	--
RW-11	11/27/17	3789.77	66.63	--	0.00	3723.14	85.52
RW-11	12/1/17	3789.77	--	--	--	--	--
RW-11	12/5/17	3789.77	--	--	--	--	--
RW-11	12/12/17	3789.77	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	12/20/17	3789.77	--	--	--	--	--
RW-11	2/27/18	3789.77	66.84	--	0.00	3722.93	85.44
RW-11	5/29/18	3789.77	67.01	--	0.00	3722.76	85.40
RW-11	8/29/18	3789.77	67.17	67.14	0.03	3722.62	--
RW-11	11/26/18	3789.77	67.38	67.34	0.04	3722.42	--
RW-11	2/25/19	3789.77	67.54	67.50	0.04	3722.26	--
RW-11	4/30/19	3789.77	67.63	67.61	0.02	3722.16	--
RW-11	5/20/19	3789.77	67.62	--	0.00	3722.15	--
RW-11	5/21/19	3789.77	--	--	--	--	--
RW-11	6/11/19	3789.77	--	--	--	--	--
RW-11	6/25/19	3789.77	--	--	--	--	--
RW-11	7/23/19	3789.77	67.83	--	0.00	3721.94	--
RW-11	7/23/19	3789.77	--	--	--	--	--
RW-11	8/13/19	3789.77	--	--	--	--	--
RW-11	8/20/19	3789.77	--	--	--	--	--
RW-11	8/28/19	3789.77	--	--	--	--	--
RW-11	9/3/19	3789.77	--	--	--	--	--
RW-11	9/10/19	3789.77	--	--	--	--	--
RW-11	9/24/19	3789.77	--	--	--	--	--
RW-11	10/2/19	3789.77	--	--	--	--	--
RW-11	10/22/19	3789.77	67.97	--	0.00	3721.80	--
RW-11	11/20/19	3789.77	--	--	--	--	--
RW-11	12/10/19	3789.77	--	--	--	--	--
RW-11	12/24/19	3789.77	--	--	--	--	--
RW-11	1/14/20	3789.77	--	--	--	--	--
RW-11	2/10/20	3789.77	68.23	--	0.00	3721.54	85.40
RW-11	3/17/20	3789.77	--	--	--	--	--
RW-11	5/1/20	3789.77	68.38	--	0.00	3721.39	--
RW-11	5/11/20	3789.77	68.31	--	0.00	3721.46	--
RW-11	7/27/20	3789.77	68.53	--	0.00	3721.24	--
RW-11	8/27/20	3789.77	68.62	--	0.00	3721.15	--
RW-11	9/15/20	3789.77	68.67	--	0.00	3721.10	85.40
RW-11	10/28/20	3789.77	68.75	--	0.00	3721.02	--
RW-11	12/7/20	3789.77	68.85	--	0.00	3720.92	--
RW-11	1/25/21	3789.77	68.94	--	0.00	3720.83	--
RW-11	2/8/21	3789.77	68.98	--	0.00	3720.79	85.43
RW-11	3/22/21	3789.77	69.11	69.05	0.06	3720.71	--
RW-11	4/26/21	3789.77	69.18	69.11	0.07	3720.65	--
RW-11	5/10/21	3789.77	69.21	69.14	0.07	3720.62	--
RW-11	7/28/21	3789.77	69.40	69.30	0.10	3720.45	--
RW-11	8/9/21	3789.77	69.48	69.32	0.16	3720.42	--
RW-11	9/29/21	3789.77	69.62	69.45	0.17	3720.29	85.43
RW-11	10/26/21	3789.77	69.62	69.45	0.17	3720.29	85.43
RW-11	11/9/21	3789.77	69.68	69.47	0.21	3720.26	85.43
RW-11	12/21/21	3789.77	69.77	69.56	0.21	3720.17	85.43
RW-11	2/8/22	3789.77	69.88	69.65	0.23	3720.08	--
RW-11	5/3/22	3789.77	70.09	69.95	0.14	3719.79	85.17
RW-11	8/16/22	3789.77	70.22	70.14	0.08	3719.61	85.17
RW-11	11/8/22	3789.77	70.42	70.31	0.11	3719.44	85.17
RW-12	2/27/17	3789.78	66.07	--	--	--	84.72
RW-12	3/1/17	3789.78	--	--	--	--	--
RW-12	5/2/17	3789.78	--	--	--	--	--
RW-12	5/17/17	3789.78	--	--	--	--	--
RW-12	5/30/17	3789.78	66.26	--	--	--	84.83
RW-12	5/31/17	3789.78	--	--	--	--	--
RW-12	6/13/17	3789.78	--	--	--	--	--
RW-12	6/27/17	3789.78	--	--	--	--	--
RW-12	7/5/17	3789.78	--	--	--	--	--
RW-12	7/13/17	3789.78	--	--	--	--	--
RW-12	7/25/17	3789.78	--	--	--	--	--
RW-12	8/29/17	3789.78	--	--	--	--	--
RW-12	8/30/17	3789.78	66.42	--	--	3723.36	84.35
RW-12	9/6/17	3789.78	--	--	--	--	--
RW-12	9/19/17	3789.78	--	--	--	--	--
RW-12	10/11/17	3789.78	--	--	--	--	--
RW-12	10/24/17	3789.78	--	--	--	--	--
RW-12	11/1/17	3789.78	--	--	--	--	--
RW-12	11/7/17	3789.78	--	--	--	--	--
RW-12	11/14/17	3789.78	--	--	--	--	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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	11/27/17	3789.78	66.56	--	--	3723.22	84.29
RW-12	12/1/17	3789.78	--	--	--	--	--
RW-12	12/5/17	3789.78	--	--	--	--	--
RW-12	12/12/17	3789.78	--	--	--	--	--
RW-12	12/20/17	3789.78	--	--	--	--	--
RW-12	2/27/18	3789.78	66.76	--	--	3723.02	84.28
RW-12	5/29/18	3789.78	66.92	--	--	3722.86	84.24
RW-12	8/29/18	3789.78	67.06	--	--	3722.72	85.31
RW-12	11/26/18	3789.78	67.27	--	--	3722.51	85.31
RW-12	2/25/19	3789.78	67.46	--	--	3722.32	--
RW-12	2/27/19	3789.78	--	--	--	--	--
RW-12	4/30/19	3789.78	67.54	67.53	0.01	3722.25	--
RW-12	4/30/19	3789.78	--	--	--	--	--
RW-12	5/20/19	3789.78	67.69	67.68	0.01	3722.10	--
RW-12	6/11/19	3789.78	--	--	--	--	--
RW-12	6/25/19	3789.78	--	--	--	--	--
RW-12	7/23/19	3789.78	67.74	--	--	3722.04	--
RW-12	8/13/19	3789.78	--	--	--	--	--
RW-12	8/20/19	3789.78	--	--	--	--	--
RW-12	8/28/19	3789.78	--	--	--	--	--
RW-12	9/3/19	3789.78	--	--	--	--	--
RW-12	9/10/19	3789.78	--	--	--	--	--
RW-12	9/24/19	3789.78	--	--	--	--	--
RW-12	10/2/19	3789.78	--	--	--	--	--
RW-12	10/22/19	3789.78	67.91	--	--	3721.87	--
RW-12	11/20/19	3789.78	--	--	--	--	--
RW-12	12/10/19	3789.78	--	--	--	--	--
RW-12	12/24/19	3789.78	--	--	--	--	--
RW-12	1/14/20	3789.78	--	--	--	--	--
RW-12	2/10/20	3789.78	68.23	--	--	3721.55	82.82
RW-12	3/17/20	3789.78	--	--	--	--	--
RW-12	5/1/20	3789.78	68.30	--	--	3721.48	--
RW-12	5/11/20	3789.78	68.38	--	--	3721.40	--
RW-12	6/18/20	3789.78	68.57	--	--	3721.21	--
RW-12	7/27/20	3789.78	68.45	--	--	3721.33	--
RW-12	8/27/20	3789.78	68.55	--	--	3721.23	--
RW-12	9/15/20	3789.78	68.59	--	--	3721.19	82.82
RW-12	10/28/20	3789.78	68.67	--	--	3721.11	--
RW-12	12/7/20	3789.78	68.76	--	--	3721.02	--
RW-12	1/25/21	3789.78	68.86	--	--	3720.92	--
RW-12	2/8/21	3789.78	68.90	--	--	3720.88	82.72
RW-12	3/22/21	3789.78	68.99	--	--	3720.79	--
RW-12	4/26/21	3789.78	69.05	--	--	3720.73	--
RW-12	5/10/21	3789.78	69.08	--	--	3720.70	--
RW-12	7/28/21	3789.78	69.24	--	--	3720.54	--
RW-12	8/9/21	3789.78	69.26	--	--	3720.52	83.57
RW-12	9/29/21	3789.78	69.39	--	--	3720.39	82.72
RW-12	10/26/21	3789.78	69.40	--	--	3720.38	82.72
RW-12	11/9/21	3789.78	69.44	--	--	3720.34	82.72
RW-12	12/21/21	3789.78	69.50	--	--	3720.28	82.72
RW-12	2/8/22	3789.78	69.65	--	--	3720.13	83.28
RW-12	5/3/22	3789.78	69.80	--	--	3719.98	83.28
RW-12	8/16/22	3789.78	70.05	--	--	3719.73	83.28
RW-12	11/8/22	3789.78	70.30	--	--	3719.48	83.28
RW-13	2/25/20	3788.61	--	--	--	--	--
RW-13	2/26/20	3788.61	66.87	--	0.00	3721.74	90.13
RW-13	3/23/20	3788.61	67.23	67.05	0.18	3721.53	90.19
RW-13	5/1/20	3788.61	67.98	66.95	1.03	3721.46	--
RW-13	5/11/20	3788.61	68.28	66.91	1.37	3721.44	--
RW-13	6/18/20	3788.61	69.53	66.75	2.78	3721.33	--
RW-13	7/27/20	3788.61	70.76	66.56	4.20	3721.25	--
RW-13	8/27/20	3788.61	71.55	66.46	5.09	3721.18	--
RW-13	9/15/20	3788.61	72.10	66.45	5.65	3721.09	--
RW-13	10/28/20	3788.61	70.17	67.19	2.98	3720.85	--
RW-13	12/7/20	3788.61	--	--	--	--	--
RW-13	1/25/21	3788.61	--	--	--	--	--
RW-13	2/8/21	3788.61	70.06	67.21	2.85	3720.86	90.34
RW-13	3/22/21	3788.61	71.78	66.99	4.79	3720.71	--
RW-13	4/26/21	3788.61	72.78	66.84	5.94	3720.64	--

Table 1

Summary of Groundwater Gauging and Elevation Data
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1996-62
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-13	5/10/21	3788.61	73.01	66.83	6.18	3720.61	--
RW-13	8/9/21	3788.61	70.31	67.78	2.53	3720.35	--
RW-13	9/29/21	3788.61	70.09	67.55	2.54	3720.58	90.34
RW-13	10/26/21	3788.61	71.02	67.60	3.42	3720.36	90.34
RW-13	11/9/21	3788.61	71.13	67.68	3.45	3720.27	90.34
RW-13	12/21/21	3788.61	Pump	--	--	--	90.34
RW-13	2/8/22	3788.61	72.46	67.61	4.85	3720.08	--
RW-13	5/3/22	3788.61	70.30	68.42	1.88	3719.83	90.18
RW-13	8/16/22	3788.61	Pump	--	--	--	90.18
RW-13	11/8/22	3788.61	74.16	68.02	6.14	3719.42	90.18
RW-14	2/25/20	3788.59	--	--	--	--	--
RW-14	2/26/20	3788.59	66.68	66.60	0.08	3721.97	90.10
RW-14	3/23/20	3788.59	68.59	66.45	2.14	3721.73	90.32
RW-14	5/1/20	3788.59	72.00	65.75	6.25	3721.65	--
RW-14	5/11/20	3788.59	72.47	65.65	6.82	3721.64	--
RW-14	6/18/20	3788.59	--	--	--	--	--
RW-14	7/27/20	3788.59	--	--	--	--	--
RW-14	8/27/20	3788.59	--	--	--	--	--
RW-14	9/15/20	3788.59	73.19	66.09	7.10	3721.15	--
RW-14	10/28/20	3788.59	71.01	66.44	4.57	3721.28	--
RW-14	12/7/20	3788.59	--	--	--	--	--
RW-14	1/25/21	3788.59	--	--	--	--	--
RW-14	2/8/21	3788.59	70.76	66.73	4.03	3721.09	90.35
RW-14	3/22/21	3788.59	--	--	--	--	--
RW-14	4/26/21	3788.59	--	--	--	--	--
RW-14	5/10/21	3788.59	71.13	66.91	4.22	3720.88	--
RW-14	7/28/21	3788.59	73.63	66.57	7.06	3720.68	--
RW-14	8/9/21	3788.59	73.88	63.77	10.11	3722.90	--
RW-14	9/29/21	3788.59	74.00	64.88	9.12	3721.98	--
RW-14	10/26/21	3788.59	74.00	66.71	7.29	3720.49	90.35
RW-14	11/9/21	3788.59	74.04	66.96	7.08	3720.28	90.35
RW-14	12/21/21	3788.59	Pump	--	--	--	90.35
RW-14	2/8/22	3788.59	73.53	67.33	6.20	3720.08	--
RW-14	5/3/22	3788.59	71.10	67.95	3.15	3720.04	90.15
RW-14	8/16/22	3788.59	Pump	--	--	--	90.15
RW-14	11/8/22	3788.59	73.50	67.84	5.66	3719.67	90.15

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 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. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-1	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-1	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-1 (DUP-1)	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-1	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-1	2/19/20	P&A	--	--	--
MW-3	3/4/11	**1.00**	<0.0500	**0.349**	**1.11**
MW-3	6/16/11	**1.30**	<0.0500	<0.0500	<0.0500
MW-3	9/9/11	**0.410**	<0.00100	**0.0839**	**0.0700**
MW-3	12/1/11	**0.101**	<0.00100	**0.145**	**0.0258**
MW-3	3/7/12	**0.365**	<0.00500	**0.120**	**0.159**
MW-3	6/7/12	**0.099**	<0.00100	**0.140**	**0.220**
MW-3	9/12/12	**0.376**	<0.00100	**0.103**	**0.016**
MW-3	12/6/12	**0.00420**	<0.00100	**0.063**	**0.014**
MW-3	5/30/13	**0.00940**	<0.00100	<0.00100	<0.00100
MW-3	11/14/13	**0.261**	<0.00100	**0.0132**	**0.0094**
MW-3	5/28/14	**0.0196**	<0.00100	<0.00100	**0.00450**
MW-3	9/4/14	**0.0983**	<0.00100	**0.0018**	**<**0.00100
MW-3	11/19/14	**0.106**	<0.0500	<0.0500	**<**0.0500
MW-3	3/5/15	**0.144**	<0.0500	<0.0500	<0.0500
MW-3	6/3/15	**0.180**	<0.00100	**0.00290**	**0.00130**
MW-3	8/13/15	**0.138**	<0.00100	<0.00100	<0.00100
MW-3	12/3/15	**0.222**	<0.00100	<0.00100	**0.00370**
MW-3	2/11/16	**0.345**	<0.0500	<0.0500	<0.0500
MW-3	11/3/16	**0.551**	<0.0530	<0.0530	<0.0530
MW-3	5/31/17	**0.805**	**0.0178**	**0.0240**	**0.0646**
MW-3	8/30/18	Dry	--	--	--
MW-3	11/27/18	Dry	--	--	--
MW-3	2/19/20	P&A	--	--	--
MW-3R	3/25/20	**0.000755**	<0.000412	<0.000160	<0.000510
MW-3R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	9/16/20	**0.00186**	**0.000779 J**	**0.000239 J**	**0.000974 J**
MW-3R	10/30/20	**0.00292**	**0.000566 J**	<0.000160	<0.000510
MW-3R	2/11/21	<0.000190	<0.000412	**0.00114 B**	<0.000510
MW-3R (DUP-1)	2/11/21	<0.000190	<0.000412	**0.00087 B**	<0.000510
MW-3R	5/13/21	**0.00103**	<0.000412	**0.000680**	**0.000982 J**
MW-3R	8/9/21	**0.000504**	**0.000733 J**	**0.000333 J**	<0.000510
MW-3R	11/10/21	**0.000288 J**	<0.000278	<0.000137	<0.000174
MW-3R	2/9/22	**0.000592**	**0.000870 J**	**0.000430 J**	<0.000510
MW-3R	5/4/22	**0.000643**	**0.000895 J**	**0.000510**	<0.000510
MW-3R	8/19/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/8/22	**0.000572**	<0.000412	**0.00114**	**0.00265**
MW-4R	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	3/5/15	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	6/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	8/13/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	2/11/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	5/26/16	<0.00100	<0.00100	**0.00330**	**0.00330**
MW-4R	9/1/16	<0.00100	<0.00100	<0.00100	**0.00210**
MW-4R	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-4R	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	2/28/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/30/18	<0.000190	<0.000412	**0.000215 J**	<0.000510
MW-4R	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	2/27/19	**0.000190 J**	<0.000412	**0.000404 J**	**0.000721 J**
MW-4R	5/21/19	**0.000265 J**	**0.000544 J**	**0.000225 J**	**0.000846 J**
MW-4R	7/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	10/22/19	**0.000301 J**	**0.000535 J**	**0.000380 J**	**0.00172**
MW-4R	2/14/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	10/30/20	<0.000190	<0.000412	<0.000160	**0.000712 J**
MW-4R	2/11/21	<0.000190	<0.000412	<0.000160	**0.000668 J**
MW-4R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/8/22	**0.00341**	<0.000412	**0.00284**	<0.000510
MW-6	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-6	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-6	2/19/20	P&A	--	--	--
MW-6R	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R (DUP-1)	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R (DUP-1)	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-7	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-7 (DUP-1)	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-7	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-7	10/22/19	--	--	--	--
MW-7	2/19/20	P&A	--	--	--
MW-7R	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-8	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-8	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	10/22/19	**0.000773**	**0.000654 J**	**0.000780**	**0.00239**
MW-8	2/19/20	P&A	--	--	--
MW-8R	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-8R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-9	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-9 (DUP-1)	11/27/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/22/19	**0.000344 J**	**0.000609 J**	**0.000289 J**	**0.00114 J**
MW-9	2/19/20	P&A	--	--	--
MW-9R	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-9R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/14/13	<0.00100	<0.00100	<0.00100	<0.00300
MW-10	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/3/15	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/3/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-10	2/19/20	P&A	--	--	--
MW-10R	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-10R	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	8/17/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	3/4/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	6/16/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/9/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/1/11	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	3/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	6/7/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/12/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/6/12	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	3/7/13	**0.0057**	<0.00100	<0.00100	<0.00100
MW-11	5/30/13	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	8/29/13	**0.00740**	<0.00100	<0.00100	<0.00100
MW-11	11/14/13	**0.00170**	<0.00100	<0.00100	**0.00470**
MW-11	2/27/14	**0.00650**	<0.00100	<0.00100	**0.00860**
MW-11	5/28/14	**0.0238**	<0.00100	<0.00100	**0.00330**
MW-11	9/4/14	**0.123**	<0.00100	**0.00110**	**0.0118**
MW-11	11/19/14	**0.157**	<0.00100	<0.00100	**0.0129**
MW-11	3/5/15	**0.263**	<0.00100	<0.00100	**0.0028**
MW-11 (DUP)	3/5/15	**0.264**	<0.00100	<0.00100	**0.0033**
MW-11	6/3/15	**0.206**	<0.00100	**0.00600**	**0.00520**
MW-11 (DUP)	6/3/15	**0.160**	<0.00100	<0.00100	**0.00300**
MW-11	8/13/15	**0.267**	<0.00100	<0.00100	**0.01170**
MW-11 (DUP-1)	8/13/15	**0.278**	<0.00100	<0.00100	**0.01210**
MW-11	12/3/15	**0.259**	<0.00100	<0.00100	**0.00780**
MW-11 (DUP-1)	12/3/15	**0.213**	<0.00100	<0.00100	**0.00660**
MW-11	2/11/16	**0.0219**	<0.00100	<0.00100	<0.00100
MW-11 (DUP-1)	2/11/16	**0.0217**	<0.00100	<0.00100	<0.00100
MW-11	5/26/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-11 (DUP-1)	5/26/16	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/1/16	**0.00200**	<0.00100	**0.00170**	**0.00430**
MW-11 (DUP-1)	9/1/16	**0.00200**	<0.00100	**0.00130**	**0.00420**
MW-11	11/3/16	**0.00150**	<0.00100	<0.00100	**0.00120**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-11	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-11 (DUP)	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-11	5/31/17	**0.00354**	**0.00222**	<0.00200	<0.00200
MW-11 (DUP)	5/31/17	**0.00465**	**0.00216**	<0.00200	<0.00200
MW-11	8/30/17	**0.00184 J**	<0.00200	<0.00200	<0.00200
MW-11 (DUP)	8/30/17	**0.00279**	<0.00200	<0.00200	<0.00200
MW-11	12/1/17	**0.00361**	**0.00226**	**0.00215**	<0.00200
MW-11 (DUP-2)	12/1/17	**0.00264**	<0.00200	**0.00232**	<0.00200
MW-11	2/28/18	**0.00223**	<0.00200	**0.0031**	<0.00200
MW-11	5/30/18	<0.00200	<0.00200	**0.00277**	**0.0123**
MW-11 (DUP-1)	5/30/18	<0.00200	<0.00200	**0.0115**	**0.0538**
MW-11	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/27/18	<0.000190	<0.000412	**0.000446 J**	<0.000510
MW-11	2/27/19	<0.000190	<0.000412	<0.000160	**0.00278**
MW-11	5/21/19	<0.000190	<0.000412	**0.000175 J**	<0.000510
MW-11	7/23/19	Dry	--	--	--
MW-11	10/22/19	Dry	--	--	--
MW-11	2/19/20	P&A	--	--	--
MW-12	3/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	5/31/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	8/30/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	12/1/17	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	2/28/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	5/30/18	<0.00200	<0.00200	<0.00200	<0.00200
MW-12	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
MW-12 (DUP-1)	8/30/18	**0.000197 J**	<0.000412	<0.000160	**0.00105 J**
MW-12	11/27/18	<0.000190	<0.000412	**0.000365 J**	**0.000844 J**
MW-12	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12 DUP-1	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	7/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/22/19	**0.000319 J**	**0.000583 J**	**0.000321 J**	**0.00138 J**
MW-12	2/14/20	**0.00285**	<0.000412	<0.000160	<0.000510
MW-12	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	9/16/20	**0.0383**	<0.000412	<0.000160	<0.000510
MW-12	10/30/20	**0.00282**	<0.000412	<0.000160	<0.000510
MW-12	2/11/21	**1.200**	**0.0359**	**0.0767**	**0.136**
MW-12	5/13/21	**0.0169**	<0.000412	<0.000160	<0.000510
MW-12 (DUP-1)	5/13/21	**0.0191**	<0.000412	<0.000160	<0.000510
MW-12	8/9/21	**0.0152**	<0.000412	**0.00147**	**0.002**
MW-12 (DUP-1)	8/9/21	**0.00559**	<0.000412	**0.000343 J**	<0.000510
MW-12	11/10/21	**0.00115**	<0.000278	<0.000137	<0.000174
MW-12	2/9/22	**0.00490**	<0.000412	<0.000160	<0.000510
MW-12	5/4/22	**0.00132**	<0.000412	<0.000160	<0.000510
MW-12	8/19/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/8/22	**0.000697**	<0.000412	<0.000160	<0.000510
MW-13	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/18/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/10/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/13/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	8/9/21	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	11/10/21	<0.0000941	<0.000278	<0.000137	<0.000174
MW-13	2/9/22	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
MW-13	5/4/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	8/19/22	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
RW-11	3/1/17	**0.368**	**0.0974**	**0.129**	**0.356**
RW-11	5/31/17	**0.211**	**0.0511**	**0.0627**	**0.161**
RW-11	8/30/17	**0.396**	**0.133**	**0.135**	**0.335**
RW-11	12/1/17	**0.215**	**0.151**	**0.154**	**0.577**
RW-11	2/28/18	**0.0722**	**0.0208**	**0.0386**	**0.138**
RW-11 (DUP-1)	2/28/18	**0.0793**	**0.0230**	**0.0425**	**0.150**
RW-11	5/30/18	**0.0156**	**0.00297**	**0.00539**	**0.0243**
RW-11	8/30/18	LNAPL	--	--	--
RW-11	11/27/18	LNAPL	--	--	--
RW-11	2/25/19	LNAPL	--	--	--
RW-11	5/21/19	**0.142**	**0.00981**	**0.0276**	**0.104**
RW-11 (DUP-1)	5/21/19	**0.149**	**0.00822**	**0.0248**	**0.0847**
RW-11	7/23/19	**0.115**	**0.00220**	**0.0212**	**0.0620**
RW-11	10/22/19	**0.167**	**0.00805**	**0.0287**	**0.0937**
RW-11	2/14/20	**0.207**	**0.00300**	**0.0728**	**0.291**
RW-11	5/18/20	**0.0609**	**0.00338**	**0.0168**	**0.0651**
RW-11	9/16/20	**0.0140**	**0.00279**	**0.00415**	**0.0186**
RW-11 (DUP-1)	9/16/20	**0.0135**	**0.00268**	**0.00397**	**0.0180**
RW-11	10/30/20	**0.0059**	**0.000519 J**	**0.00243**	**0.0112**
RW-11 (DUP-2)	10/30/20	**0.0056**	**0.000495 J**	**0.00233**	**0.0107**
RW-11	2/11/21	**0.0201**	**0.000743 J**	**0.00445**	**0.0183**
RW-11	5/13/21	LNAPL Present			
RW-12	3/1/17	**0.725**	**0.0656**	**0.103**	**0.164**
RW-12	5/31/17	**1.76**	**0.0830**	**0.328**	**0.652**
RW-12	8/30/17	**2.00**	**0.1960**	**0.356**	**0.454**
RW-12	12/1/17	**1.94**	**0.0353**	**0.121**	**0.127**
RW-12	2/28/18	**0.623**	**0.259**	**0.281**	**1.060**
RW-12	5/30/18	<0.00200	**0.00548**	**0.0176**	**0.0465**
RW-12	8/30/18	**1.39**	**0.105**	**0.0968**	**0.307**
RW-12	11/27/18	**1.37**	**0.144**	**0.216**	**0.254**
RW-12	2/27/19	**1.16**	**0.140**	**0.212**	**0.315**
RW-12	5/20/19	LNAPL	--	--	--
RW-12	7/23/19	**1.58**	**0.159**	**0.0746**	**0.492**
RW-12(DUP-1)	7/23/19	**1.13**	**0.230**	**0.219**	**0.437**
RW-12	10/22/19	**1.12**	**0.186**	**0.353**	**0.389**
RW-12 (Dup1)	10/22/19	**0.950**	**0.112**	**0.186**	**0.256**
RW-12	2/14/20	**0.859**	**0.064**	**0.160**	**0.183**
RW-12	5/18/20	**0.987**	**0.0380**	**0.0655**	**0.173**
RW-12 (DUP-2)	5/18/20	**0.924**	**0.0360**	**0.0651**	**0.170**
RW-12	9/16/20	**0.561**	**0.00979**	**0.165**	**0.0986**
RW-12	10/30/20	**0.562**	<0.00412	**0.0250**	**0.0218**
RW-12	2/11/21	**0.0279**	<0.00412	<0.000160	<0.000510
RW-12	5/13/21	**0.581**	**0.0263**	**0.100**	**0.114**
RW-12	8/9/21	**0.391**	**0.0143**	**0.0952**	**0.0651**
RW-12	11/10/21	**0.185**	**0.000396 J**	**0.00514**	**0.00605**
RW-12 (DUP)	11/10/21	**0.190**	**0.000646 J**	**0.00429**	**0.00673**
RW-12	2/9/22	**0.125**	**0.00805**	**0.0111**	**0.0447**
RW-12 (DUP-1)	2/9/22	**0.127**	**0.00808**	**0.0114**	**0.0458**
RW-12	5/4/22	**0.0675**	**0.00238**	**0.00248**	**0.0271**
RW-12	8/19/22	**0.101**	<0.000412	**0.0307**	**0.0289**
RW-12	11/8/22	**0.0267**	**0.000845 J**	**0.0234**	**0.0174**

Table 2

Summary of Groundwater Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
Lea County, New Mexico
NMOCD AP-007

Monitoring Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		**0.01**	**0.75**	**0.75**	**0.62**
DUP1	11/8/22	**0.0284**	**0.000933 J**	**0.0244**	**0.0195**
Trip Blank	8/30/18	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/27/19	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/14/20	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	8/19/22	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510
Equip Blank	11/8/22	<0.000190	<0.000412	<0.000160	<0.000510

Notes:
1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B
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 Method Quantitation Limit
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. P&A - Plugged and Abandoned

Table 3

Summary of Groundwater Dissolved PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
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	Naphthalene	Phenanthrene	Pyrene	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	0.03	0.001	0.001	0.03	
MW-1	12/1/08	<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-1	11/30/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-2	12/1/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.130**	<0.000183	**0.178**	<0.000183	**0.704**	**0.230**	<0.000183	**1.68**	**2.31**
MW-2	11/30/09	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	**0.524**	<0.0229	**0.755**	<0.0229	**2.89**	**1.04**	<0.0229	**7.25**	**9.78**
MW-3	12/1/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.0014**	<0.000183	**0.00126**	<0.000183	**0.0426**	**0.00103**	<0.000183	**0.0260**	<0.000183
MW-3	11/30/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00145**	<0.000184	**0.00155**	<0.000184	**0.0238**	**0.00134**	<0.000184	**0.0306**	<0.000184
MW-3	11/24/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.00133**	<0.000184	**0.00132**	<0.000184	<0.000184	**0.00112**	<0.000184	**0.0234**	<0.000184
MW-3	12/1/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00163**	<0.000183	**0.00140**	<0.000183	**0.00893**	**0.00135**	<0.000183	**0.0191**	<0.000183
MW-3	12/6/12	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	**0.00080**	<0.000191	**0.00066**	<0.000191	<0.000191	**0.00063**	<0.000191	**0.0016**	<0.000191
MW-3	12/3/15	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-3	11/3/16	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	**0.000321**	<0.000229	<0.000229	<0.000229	**0.00184**	<0.000229	**0.000370**	**0.00230**	<0.000229
MW-3R	10/30/20	<0.0000190	**0.0000230 J**	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.000308**	<0.0000270	<0.0000169	<0.0000158	<0.0000917	**0.0000352 J**	<0.0000169	**0.000284**	<0.0000674
MW-3R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.000492**	<0.0000270	<0.0000169	<0.0000158	<0.0000917	**0.000188**	<0.0000169	**0.0000791 J**	<0.0000674
MW-4	11/30/09	<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	**0.00118**	<0.000184	<0.000184	<0.000184	<0.000184
MW-4R	11/19/14	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198
MW-4R	12/3/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-6	12/1/08	<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-6	11/30/09	<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-6R	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-6R (DUP-1)	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-6R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-7	12/1/08	<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-7	11/30/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-7R	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-7R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-8	12/1/08	<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-8	11/30/09	<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-8	2/19/20	P&A																		
MW-8R	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-8R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-9	12/1/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-9	11/30/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-9	2/19/20	P&A																		
MW-9R	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-9R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-10	12/1/08	<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-10	11/30/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-10	2/19/20	P&A																		
MW-10R	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-10R	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-11	12/1/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-11	11/30/09	<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-11	12/3/15	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	**0.000336**	<0.000199
MW-11	11/3/16	<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	<0.000185	**0.000303**	<0.000185	<0.000185
MW-11	12/1/17	<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	<0.000368	<0.000184	<0.000184	---	---
MW-11	2/19/20	P&A																		

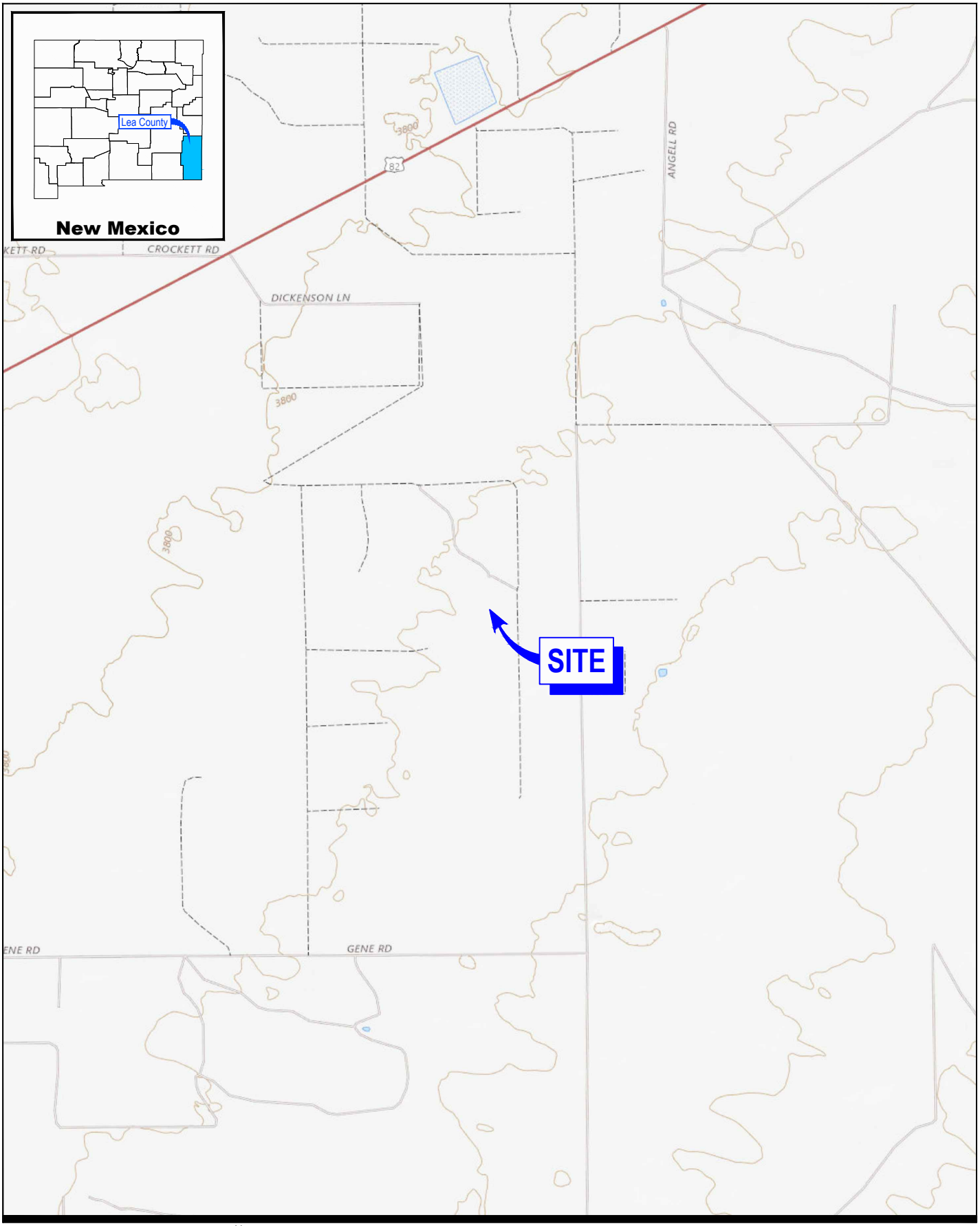
Table 3

Summary of Groundwater Dissolved PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2 SRS #LF 1999-62
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	Naphthalene	Phenanthrene	Pyrene	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	0.03	0.001	0.001	0.03	
MW-12	12/1/17	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000369	<0.000185	<0.000185	---	---
MW-12	11/27/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000254 J**	<0.0000157	<0.00000850	<0.0000148	**0.0000280 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-12	10/22/19	<0.000014	<0.00001	<0.000012	<0.0000041	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000235 J**	<0.0000157	**0.0000217 J**	<0.0000148	**0.000197 J**	**0.0000231 J**	<0.0000117	**0.000123 J**	**0.000101 J**
MW-13	10/30/20	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-13	11/10/21	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
RW-1	12/1/08	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	**0.208**	<0.00459	**0.274**	<0.00459	**1.01**	**0.346**	<0.00459	**2.42**	**3.20**
RW-1	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.00842**	<0.000922	**0.0117**	<0.000922	**0.102**	**0.0134**	<0.000922	**0.118**	**0.154**
LNAPL																				
RW-2	12/1/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	**0.0350**	<0.00184	**0.0507**	<0.00184	**0.224**	**0.0569**	<0.00184	**0.410**	**0.526**
RW-2	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0178**	<0.000922	**0.0254**	<0.000922	**0.157**	**0.0322**	<0.000922	**0.266**	**0.347**
LNAPL																				
RW-3	12/2/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0309**	<0.000922	**0.0447**	<0.000922	**0.203**	**0.0523**	<0.000922	**0.362**	**0.480**
RW-3	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0101**	<0.000922	**0.0114**	<0.000922	**0.113**	**0.0132**	<0.000922	**0.128**	**0.164**
LNAPL																				
RW-4	12/2/08	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	**0.122**	<0.00183	**0.173**	<0.00183	**0.637**	**0.216**	<0.00183	**1.58**	**2.14**
RW-4	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0184**	<0.000922	**0.0263**	<0.000922	**0.169**	**0.0337**	<0.000922	**0.276**	**0.367**
RW-4	2/19/20	P&A																		
RW-5	12/1/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0654**	<0.000922	**0.0938**	<0.000922	**0.283**	**0.117**	<0.000922	**0.835**	**0.910**
RW-5	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0155**	<0.000922	**0.0201**	<0.000922	**0.147**	**0.0284**	<0.000922	**0.217**	**0.295**
LNAPL																				
RW-6	12/2/08	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	**0.138**	<0.00183	**0.188**	<0.00183	**0.693**	**0.244**	<0.00183	**1.77**	**2.44**
RW-6	11/30/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0253**	<0.000922	**0.0352**	<0.000922	**0.20**	**0.0492**	<0.000922	**0.36**	**0.481**
LNAPL																				
RW-11	12/1/17	**0.000374**	**0.00104**	**0.000469**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000806**	<0.000183	**0.00281**	**0.000196**	**0.00301**	<0.000183	**0.0270**	**0.00629**	**0.000216**	---	---
RW-11	11/12/19	**0.00112**	<0.0000100	<0.00000700	**0.000318**	**0.0000296**	**0.0000490**	**0.0000273**	<0.0000255	**0.000157**	<0.00000454	**0.00159**	**0.000153**	**0.00192**	<0.00000739	**0.00242**	**0.00325**	**0.000402**	**0.00511**	**0.00334**
RW-11	10/30/20	**0.000285**	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	**0.000144**	<0.0000160	**0.000825**	**0.0000377 J**	**0.000425**	<0.0000158	**0.00102**	**0.000384**	**0.000131**	**0.00181**	**0.00151**
RW-11 (DUP-2)	10/30/20	**0.000250**	**0.0000964**	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	**0.000145**	<0.0000160	**0.000780**	<0.0000270	**0.000418**	<0.0000158	**0.000970**	**0.000359**	**0.000110**	**0.00174**	**0.00136**
RW-12	12/1/17	<0.000183	**0.000248**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000857**	<0.000183	**0.000194**	<0.000183	**0.0183**	**0.000635**	<0.000183	---	---
RW-12	11/27/18	**0.0000715**	**0.000281**	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00169**	<0.0000157	**0.000354**	<0.0000148	**0.0248**	**0.00118**	<0.0000117	**0.0185**	**0.0217**
RW-12	11/12/19	**0.0000849**	<0.00001	<0.00000700	<0.0000083	<0.0000158	<0.00000212	<0.00000227	<0.0000255	<0.0000144	<0.00000454	**0.00125**	<0.0000165	**0.000319**	<0.00000739	**0.0104**	**0.000714**	<0.0000155	**0.00597**	**0.00660**
RW-12	10/30/20	**0.0001230**	**0.0002120**	**0.000114**	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.00189**	<0.0000270	**0.0000461 J**	<0.0000158	**0.00687**	**0.000495**	<0.0000169	**0.00358**	**0.00384**
RW-12	11/10/21	<0.0000190	**0.000114**	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.000700**	<0.0000270	<0.0000169	<0.0000158	**0.00178**	**0.000169**	<0.0000169	**0.00069**	**0.000627**
RW-12	11/8/22	<0.0000190	**0.000109**	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	**0.000478**	<0.0000270	**0.0000590**	<0.0000158	**0.00237**	**0.000204**	<0.0000169	**0.00194**	**0.002240**

Notes:

1. Polycyclic Aromatic Hydrocarbons (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C-SIM
2. All results reported as mg/L- milligrams per Liter
3. < - not detected above the Sample Detection Limit
4. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
5. Yellow shaded cells indicate results exceeding NMWQCC groundwater regulatory limit
6. Bold font Indicates laboratory detection.
7. P&A - Denotes the monitoring well has been plugged and abandoned
8. Green shaded cells indicate results meeting EPA and NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the regulatory limit
9. LNAPL - Light non-aqueous phase liquid
10. DUP - Duplicate sample.
11. Regulatory 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..
12. Nova Training and Environmental collected samples dated between 2008 and 2010.



0 1000 2000 ft

N

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

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

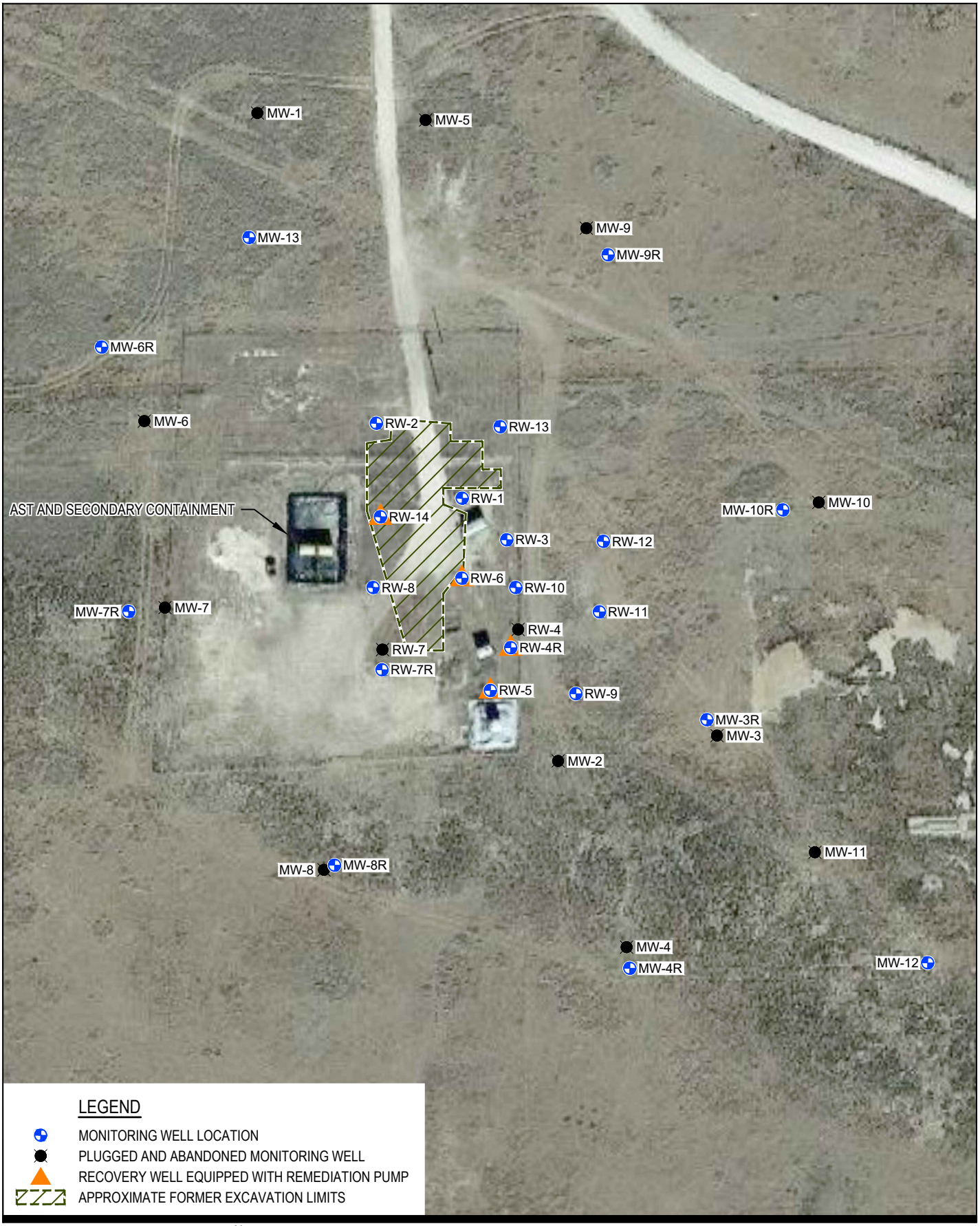
Project No. **12572707**
Date **March 2023**

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 07 March 2023 5:20 PM

Data Source: USGS 7.5 Minute Quad "Prairieview, New Mexico"
Lat/Long: 33.0242° North, 103.1668° West



0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

Project No. **12572707**
Date **March 2023**

SITE DETAILS MAP

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
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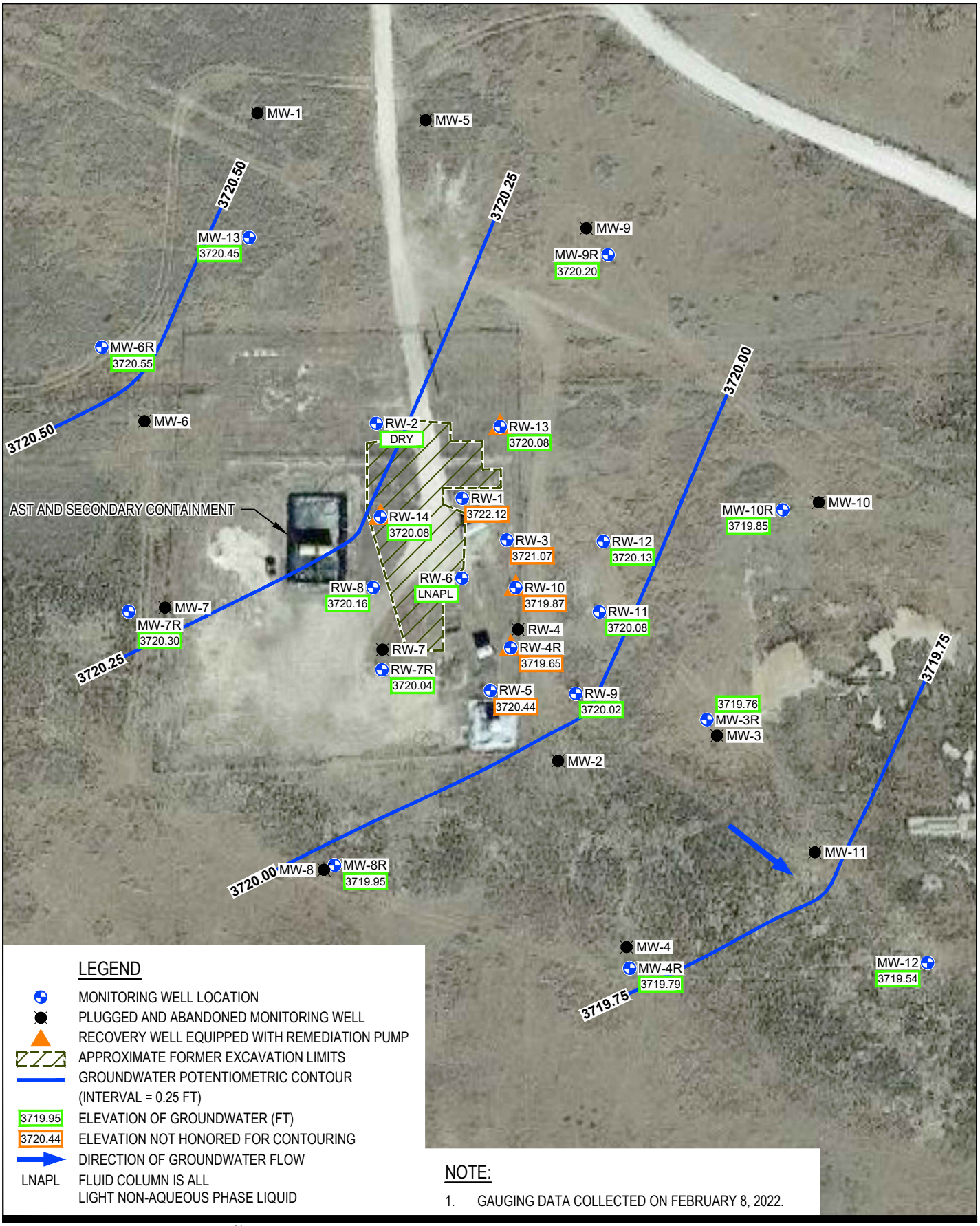
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0242° North, 103.1668° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.25 FT)
- 3719.95 ELEVATION OF GROUNDWATER (FT)
- 3720.44 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 8, 2022.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER GRADIENT MAP
FEBRUARY 8, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 3

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
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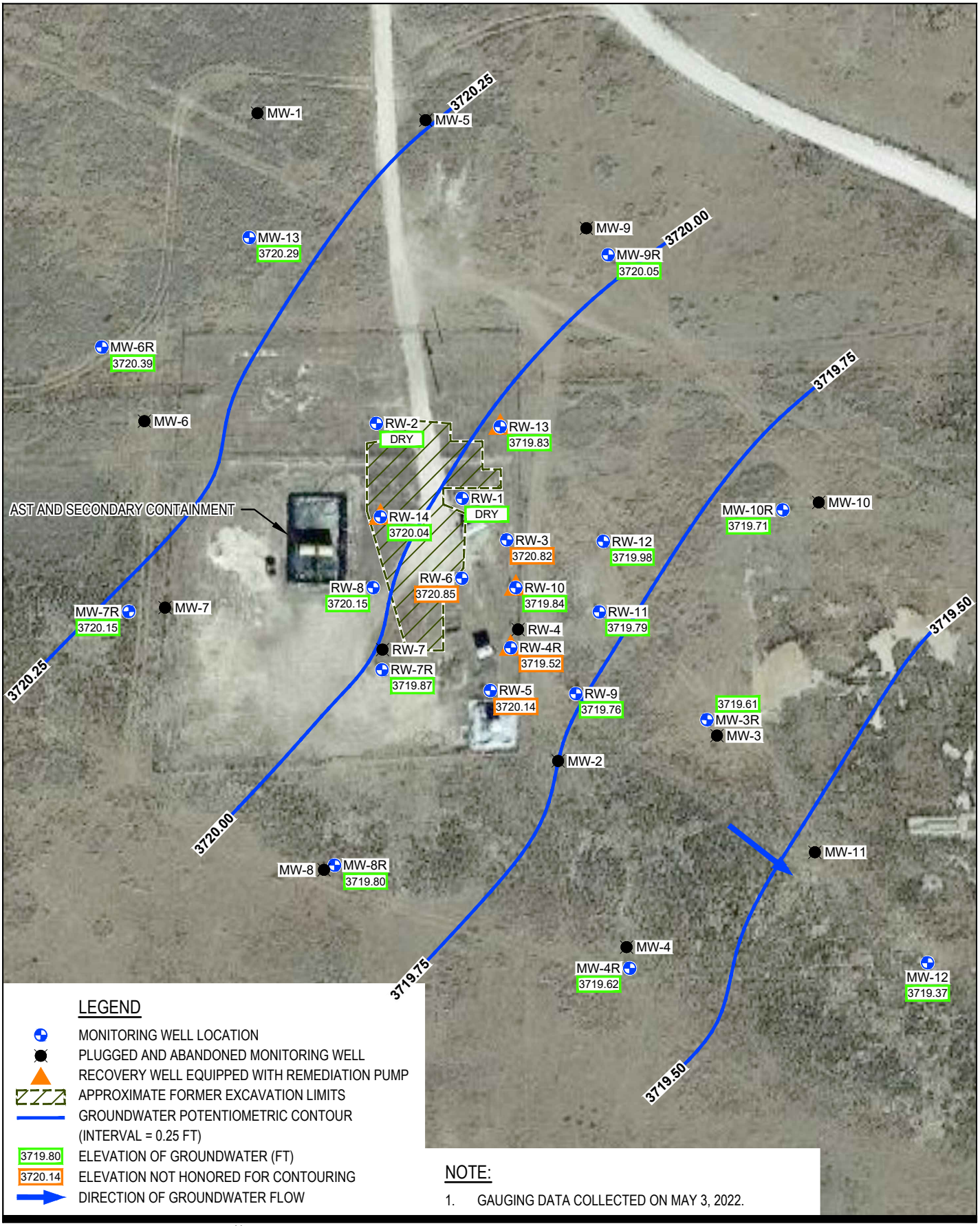


LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.25 FT)
- 3719.80 ELEVATION OF GROUNDWATER (FT)
- 3720.14 ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. GAUGING DATA COLLECTED ON MAY 3, 2022.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

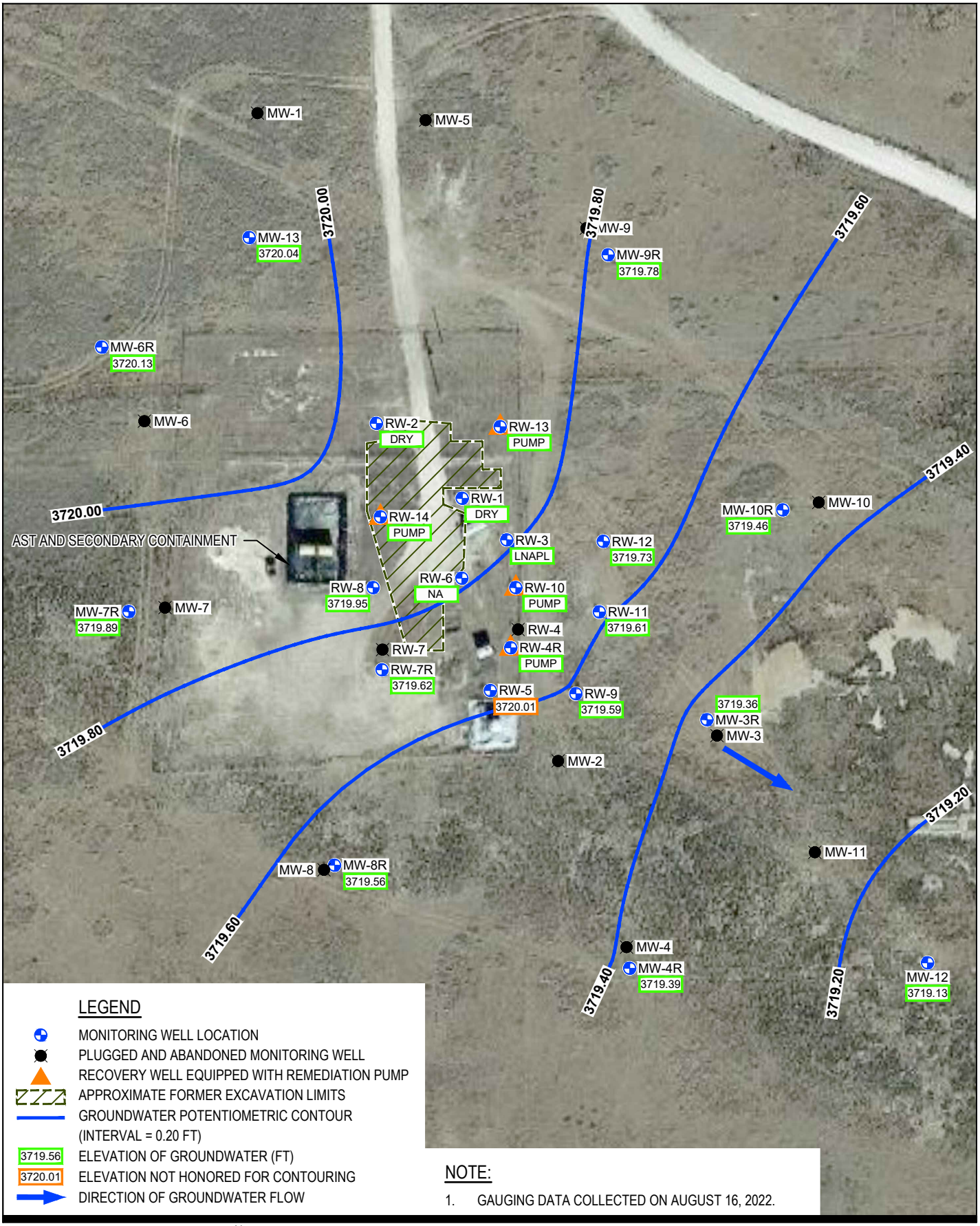
GROUNDWATER GRADIENT MAP
MAY 3, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 4

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 20 March 2023 3:36 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0242° North, 103.1668° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.20 FT)
- 3719.56 ELEVATION OF GROUNDWATER (FT)
- 3720.01 ELEVATION NOT HONORED FOR CONTOURING
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. GAUGING DATA COLLECTED ON AUGUST 16, 2022.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

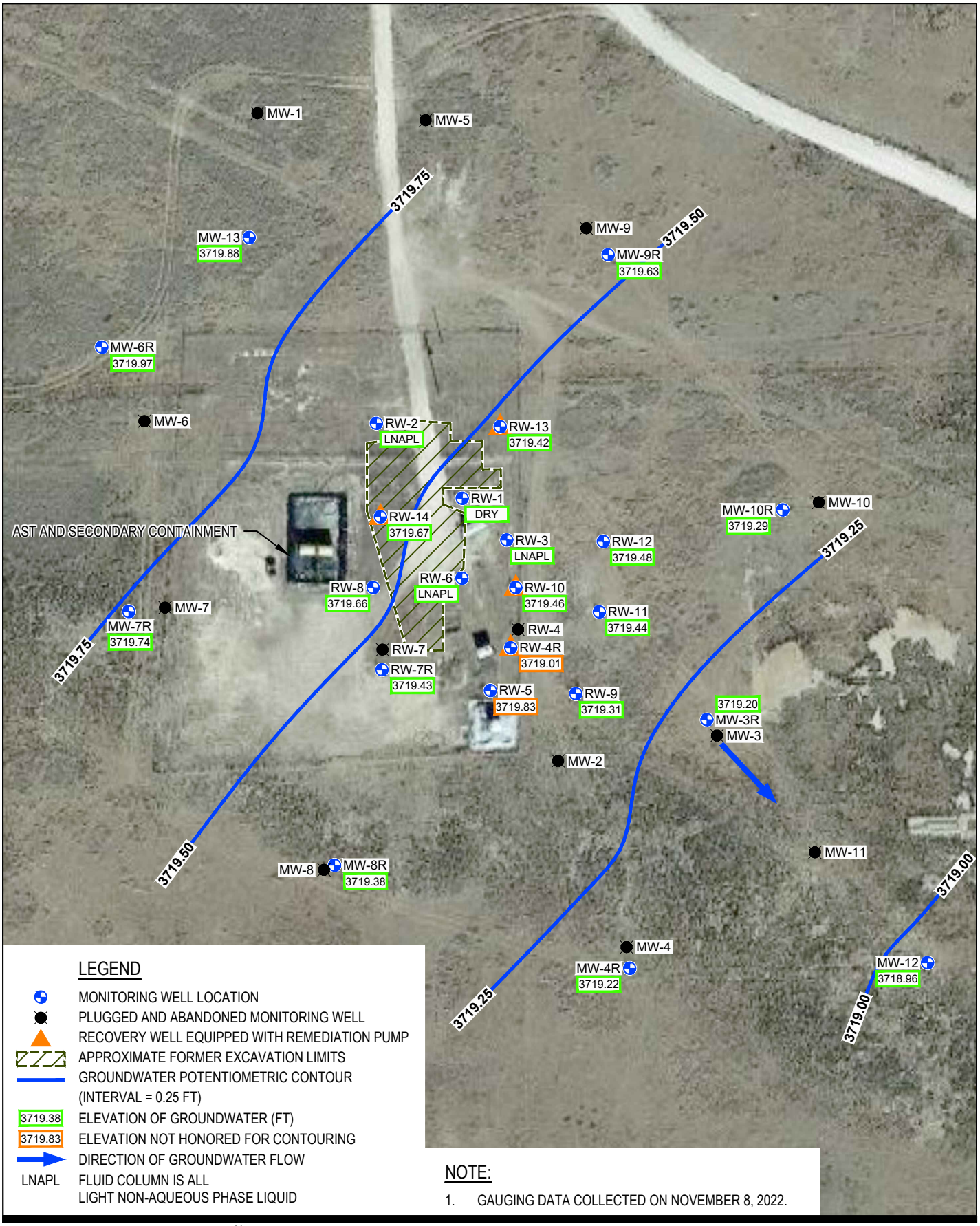
GROUNDWATER GRADIENT MAP
AUGUST 16, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 5

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 20 March 2023 3:50 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0242° North, 103.1668° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.25 FT)
- 3719.38 ELEVATION OF GROUNDWATER (FT)
- 3719.83 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 NOVEMBER 8, 2022.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER GRADIENT MAP
NOVEMBER 8, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 6

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
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Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
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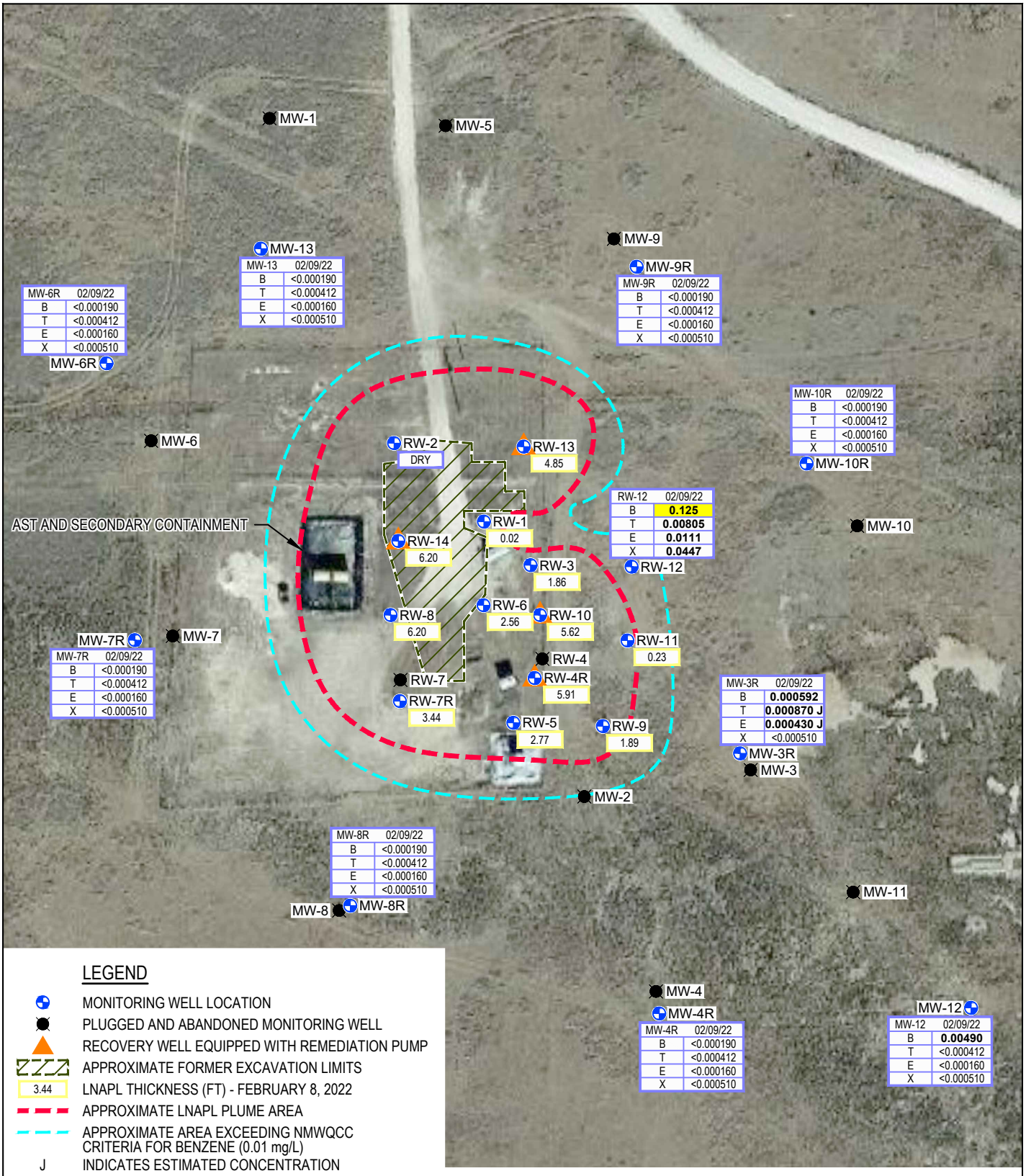

LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- 3.44 — LNAPL THICKNESS (FT) - FEBRUARY 8, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION — RW-12 02/09/22 — DATE SAMPLED
BENZENE — B — **0.125** — RESULT (mg/L)
TOLUENE — T — **0.00805**
ETHYLBENZENE — E — **0.0111**
XYLENES — X — **0.0447**

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON FEBRUARY 9, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 50 100 ft

N

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

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP
FEBRUARY 9, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 7

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
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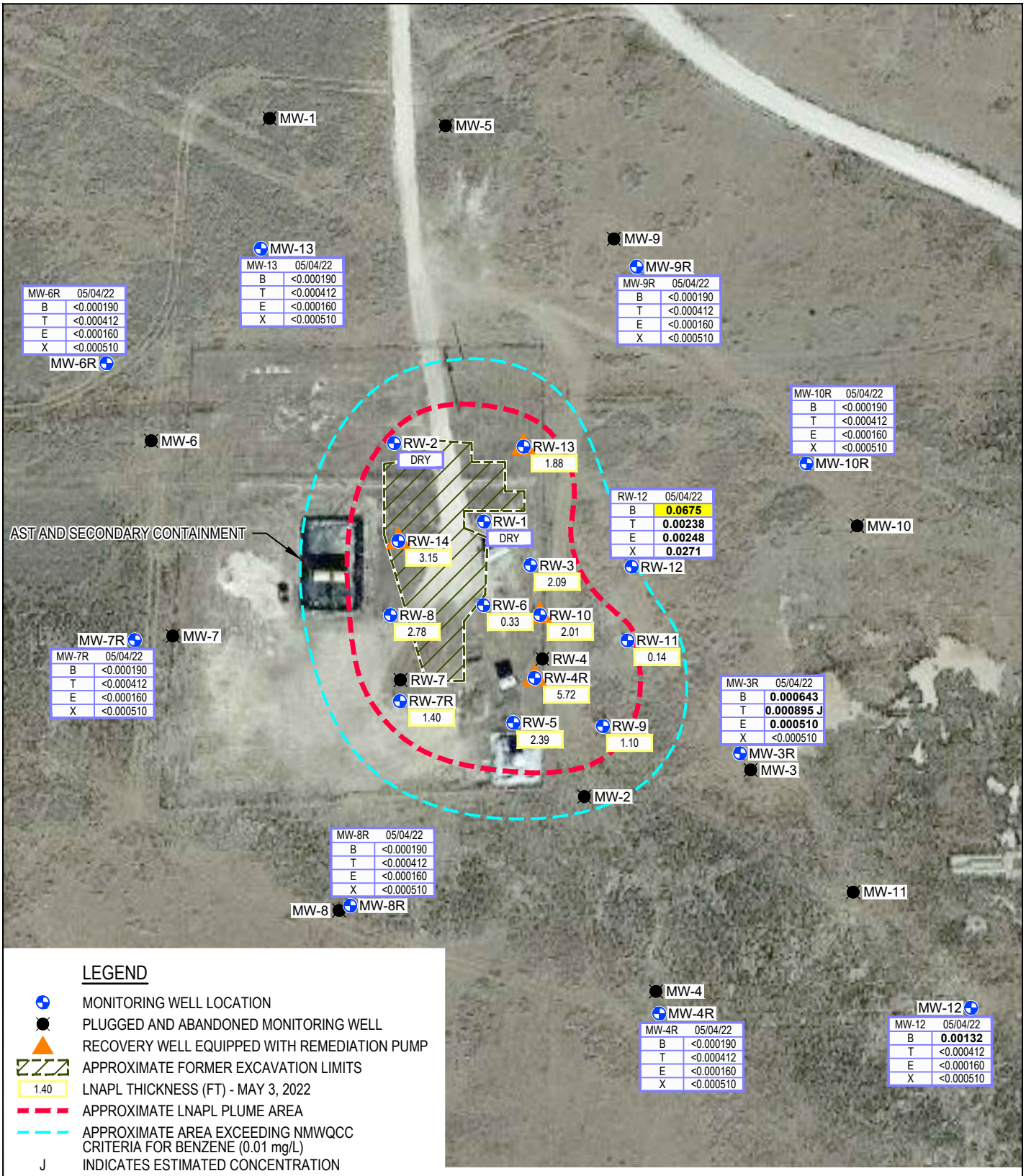
Lat/Long: 33.0242° North, 103.1668° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- 1.40 — LNAPL THICKNESS (FT) - MAY 3, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	RW-12	05/04/22	DATE SAMPLED
BENZENE	B	**0.0675**	RESULT (mg/L)
TOLUENE	T	**0.00238**	
ETHYLBENZENE	E	**0.00248**	
XYLENES	X	**0.0271**	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON MAY 4, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP
MAY 4, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 8

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 20 March 2023 3:35 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
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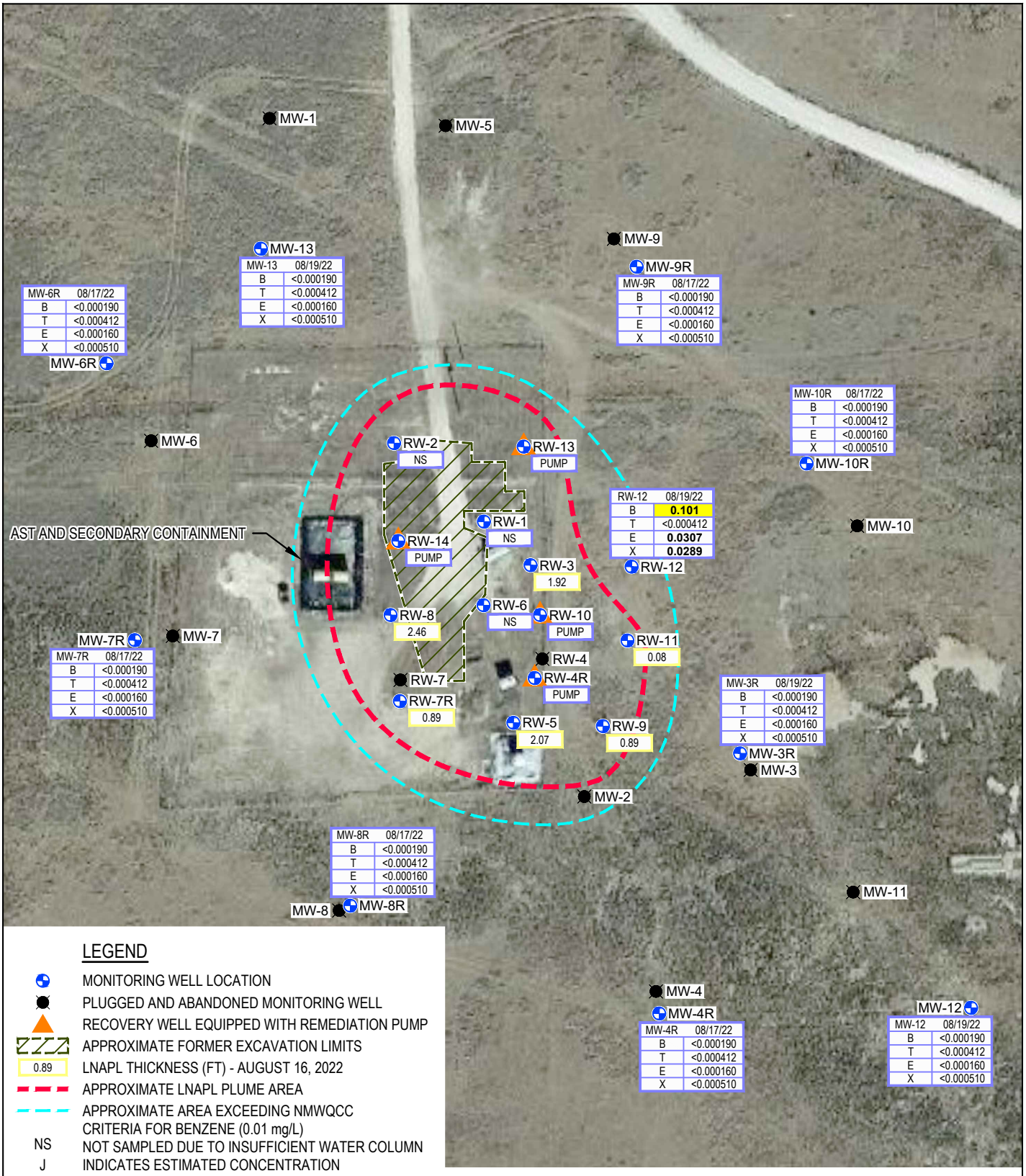

LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- 0.89 — LNAPL THICKNESS (FT) - AUGUST 16, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NS — NOT SAMPLED DUE TO INSUFFICIENT WATER COLUMN
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	RW-12	08/19/22 — DATE SAMPLED
BENZENE	B	**0.101** — RESULT (mg/L)
TOLUENE	T	<0.000412
ETHYLBENZENE	E	**0.0307**
XYLENES	X	**0.0289**

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON AUGUST 17 AND 19, 2022.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP
AUGUST 17 AND 19, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 9

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
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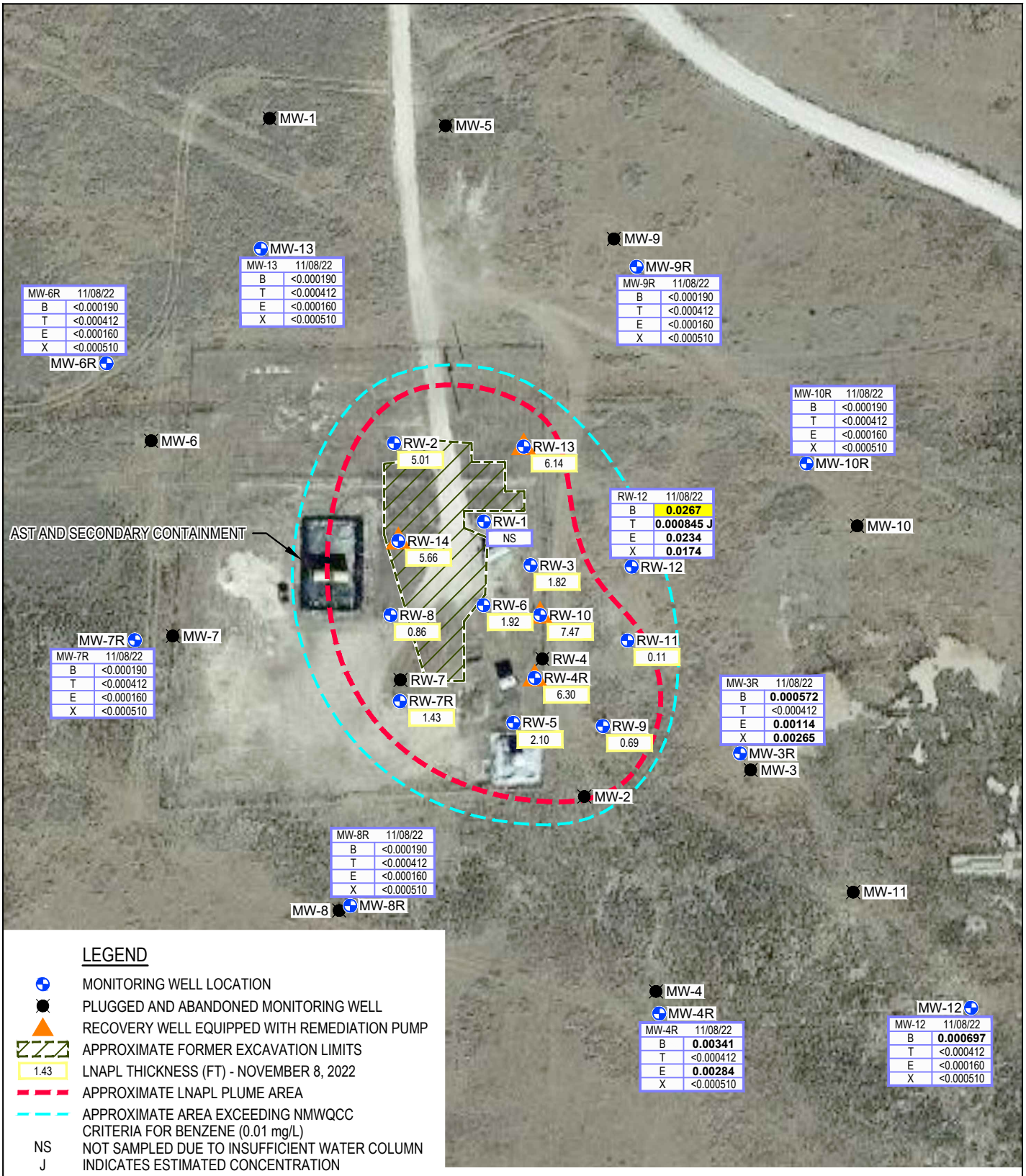
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0242° North, 103.1668° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- RECOVERY WELL EQUIPPED WITH REMEDIATION PUMP
- APPROXIMATE FORMER EXCAVATION LIMITS
- 1.43 — LNAPL THICKNESS (FT) - NOVEMBER 8, 2022
- APPROXIMATE LNAPL PLUME AREA
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NS — NOT SAMPLED DUE TO INSUFFICIENT WATER COLUMN
- J — INDICATES ESTIMATED CONCENTRATION

SAMPLE LOCATION	RW-12	11/08/22	DATE SAMPLED
BENZENE	B	0.0267	RESULT (mg/L)
TOLUENE	T	0.000845 J	
ETHYLBENZENE	E	0.0234	
XYLENES	X	0.0174	

NOTES:

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

0 50 100 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
DARR ANGELL NO. 2 SRS LF 1999-62
LEA COUNTY, NEW MEXICO
NMOCD AP-007

GROUNDWATER BTEX CONCENTRATION MAP
NOVEMBER 8, 2022

Project No. **12572707**
Date **March 2023**

FIGURE 10

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12572707\Digital_Design\ACAD\Figures\12572707(GWR 2022)\12572707-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 20 March 2023 3:35 PM

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0242° North, 103.1668° West

Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

1 [illegible] Print
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

STATE Byrd LF. 1999-59

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

Name: LOTTEnergy Pipeline	Contact: Lennah FROST
Address: PO Box 1660	Telephone No.: 915/6843467
Facility Name:	Facility Type: Pipeline

Surface Owner	Mineral Owner	Lease No.
State of New Mexico		

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	32	19S	37E					Lea

NATURE OF RELEASE

Type of Release: Crude oil	Volume of Release: 260 bbls / Volume Recovered: 200 bbls
Source of Release: Crude oil pipeline	Date and Hour of Occurrence: 7/18/99 1pm / Date and Hour of Discovery: 7/18/99 1 PM
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? Chris Williams
By Whom? Lennah Frost	Date and Hour: 7/18/99 - 2:30p
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse:

If a Watercourse was Impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)
Internal Corrosion - Leak Clamped off will replace pipe ASAP

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)
Spill occurred in a previously remediated site. Will evaluate for cleanup this week

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

Signature: Lennah Frost	OIL CONSERVATION DIVISION
Printed Name: Lennah Frost	Approved by District Supervisor:
Title: Sr. ENV. ENG	Approval Date: / Expiration Date:
Date: 7-20-99 Phone: 915/6843467	Conditions of Approval: / Attached ☐

Appendix B

Certified Laboratory Analytical Reports

Pace Analytical®

ANALYTICAL REPORT

February 21, 2022

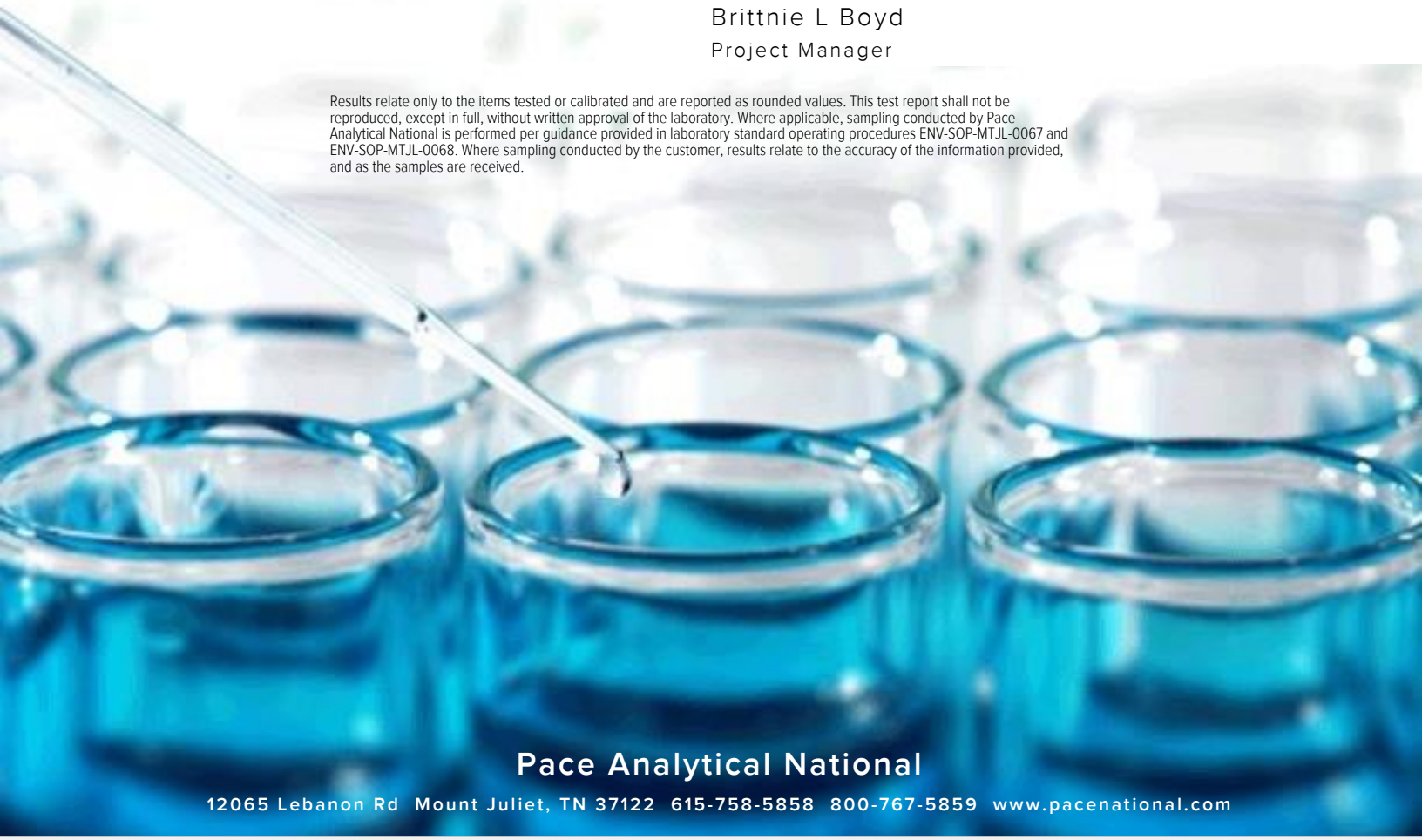
Plains All American, LP - GHD

Sample Delivery Group:	L1461007
Samples Received:	02/12/2022
Project Number:	SRS LF 1999-62
Description:	Darr Angell #2
Site:	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

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-4R L1461007-01 GW

Collected by: MC/DF | Collected date/time: 02/09/22 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	WG1817498	1	02/14/22 11:10	02/14/22 11:10	ACG	Mt. Juliet, TN

MW-6R L1461007-02 GW

Collected by: MC/DF | Collected date/time: 02/09/22 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	WG1817498	1	02/14/22 11:31	02/14/22 11:31	ACG	Mt. Juliet, TN

MW-7R L1461007-03 GW

Collected by: MC/DF | Collected date/time: 02/09/22 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 11:53	02/14/22 11:53	ACG	Mt. Juliet, TN

MW-8R L1461007-04 GW

Collected by: MC/DF | Collected date/time: 02/09/22 12:20 | 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 12:14	02/14/22 12:14	ACG	Mt. Juliet, TN

MW-9R L1461007-05 GW

Collected by: MC/DF | Collected date/time: 02/09/22 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 12:36	02/14/22 12:36	ACG	Mt. Juliet, TN

MW-10R L1461007-06 GW

Collected by: MC/DF | Collected date/time: 02/09/22 13:30 | 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 12:57	02/14/22 12:57	ACG	Mt. Juliet, TN

MW-13 L1461007-07 GW

Collected by: MC/DF | Collected date/time: 02/09/22 14:10 | 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 13:19	02/14/22 13:19	ACG	Mt. Juliet, TN

MW-3R L1461007-08 GW

Collected by: MC/DF | Collected date/time: 02/09/22 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	WG1817874	1	02/14/22 20:38	02/14/22 20:38	BMB	Mt. Juliet, TN

SAMPLE SUMMARY

MW-12 L1461007-09 GW

Collected by: MC/DF | Collected date/time: 02/09/22 15:45 | 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	WG1817874	1	02/14/22 21:00	02/14/22 21:00	BMB	Mt. Juliet, TN

RW-12 L1461007-10 GW

Collected by: MC/DF | Collected date/time: 02/09/22 16:40 | 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	WG1817874	1	02/14/22 21:21	02/14/22 21:21	BMB	Mt. Juliet, TN

DUP 1 L1461007-11 GW

Collected by: MC/DF | Collected date/time: 02/09/22 16:40 | 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	WG1817874	1	02/14/22 21:43	02/14/22 21:43	BMB	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: 02/21/2022 12:52
Project Name: Darr Angell #2	Laboratory Job Number: L1461007-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817874 and WG1817498

#[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: 02/21/2022 12:52
Project Name: Darr Angell #2	Laboratory Job Number: L1461007-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817874 and WG1817498

#[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: 02/21/2022 12:52
Project Name: Darr Angell #2	Laboratory Job Number: L1461007-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1817874 and WG1817498

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	02/14/2022 11:10	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 11:10	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 11:10	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 11:10	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 11:10*	WG1817498

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2022 11:31	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 11:31	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 11:31	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 11:31	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 11:31*	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 11:53	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 11:53	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 11:53	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 11:53	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 11:53*	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 12:14	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 12:14	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 12:14	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 12:14	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 12:14*	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 12:36	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 12:36	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 12:36	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 12:36	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/14/2022 12:36*	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 12:57	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 12:57	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 12:57	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 12:57	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 12:57*	WG1817498

MW-13
Collected date/time: 02/09/22 14:10
L1461007

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 13:19	WG1817498
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 13:19	WG1817498
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 13:19	WG1817498
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 13:19	WG1817498
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/14/2022 13:19*	WG1817498

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000592		0.000190	0.000500	0.000500	1	02/14/2022 20:38	WG1817874
Toluene	0.000870	J	0.000412	0.00100	0.00100	1	02/14/2022 20:38	WG1817874
Ethylbenzene	0.000430	J	0.000160	0.000500	0.000500	1	02/14/2022 20:38	WG1817874
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 20:38	WG1817874
(S) a,a,a-Trifluorotoluene(PID)	*97.3*				*79.0-125*		*02/14/2022 20:38*	WG1817874

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	0.00490		0.000190	0.000500	0.000500	1	02/14/2022 21:00	WG1817874
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2022 21:00	WG1817874
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2022 21:00	WG1817874
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2022 21:00	WG1817874
(S) a,a,a-Trifluorotoluene(PID)	*97.6*				*79.0-125*		*02/14/2022 21:00*	WG1817874

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	0.125		0.000190	0.000500	0.000500	1	02/14/2022 21:21	WG1817874
Toluene	0.00805		0.000412	0.00100	0.00100	1	02/14/2022 21:21	WG1817874
Ethylbenzene	0.0111		0.000160	0.000500	0.000500	1	02/14/2022 21:21	WG1817874
Total Xylene	0.0447		0.000510	0.00150	0.00150	1	02/14/2022 21:21	WG1817874
(S) a,a,a-Trifluorotoluene(PID)	*96.9*				*79.0-125*		*02/14/2022 21:21*	WG1817874

DUP 1
Collected date/time: 02/09/22 16:40
L1461007

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	0.127		0.000190	0.000500	0.000500	1	02/14/2022 21:43	WG1817874
Toluene	0.00808		0.000412	0.00100	0.00100	1	02/14/2022 21:43	WG1817874
Ethylbenzene	0.0114		0.000160	0.000500	0.000500	1	02/14/2022 21:43	WG1817874
Total Xylene	0.0458		0.000510	0.00150	0.00150	1	02/14/2022 21:43	WG1817874
(S) a,a,a-Trifluorotoluene(PID)	*96.8*				*79.0-125*		*02/14/2022 21:43*	WG1817874

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) R3761286-3 02/14/22 17:53

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	0.000535	J	0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*99.2*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3761286-1 02/14/22 13:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0507	101	77.0-122	
Toluene	0.0500	0.0460	92.0	80.0-121	
Ethylbenzene	0.0500	0.0476	95.2	80.0-123	
Total Xylene	0.150	0.136	90.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*98.4*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

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

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: 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

L# 146007

G034

Collected by (print): Mitch Clemens David Fletcher

Site/Facility ID # SRS LF 1999-62

P.O. #

Tab

Acctnum: PLAINSGHD

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

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-4R	Grab	GW	N/A	2-9-22	1040	3	X		01
MW-6R		GW		2-9-22	945		X		02
MW-7R		GW		2-9-22	1135		X		03
MW-8R		GW		2-9-22	1220		X		04
MW-9R		GW		2-9-22	1255		X		05
MW-10R		GW		2-9-22	1330		X		06
MW-13		GW		2-9-22	1410		X		07
MW-3R		GW		2-9-22	1500		X		08
MW-12	↓	GW	↓	2-9-22	1545	↓	X		09
~~AA ML~~ AW-12	Grab	GW	N/A	2-9-22	1640	3	X		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-12572707

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

Samples returned via: __ UPS __ FedEx __ Courier SWA

Tracking #

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	2-11-22	1000			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	2-11-22	1710	SWA	NSA6 2040-20 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			Veronica Sotelo	2/12/22 1645	

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 ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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

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

L# 1461007

Table #

Acctnum: PLAINSGHD

Template:

Prelogin:

TSR:

PB:

Collected by (print):

Site/Facility ID # SRS LF 1999-62

P.O. #

Shipped Via:

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

No. of Cntrs

BTEX 8021B 40mLAmb-HCL

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Remarks	Sample # (lab only)
Dup 1	Grab	GW	N/A	2-9-22	1640		-11

* 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 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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Mitchell Clem	2-11-22	10:00		No
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	2-11-22	17:00	SWA	NSA 6.2 0.1 0.2.0 33
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Veronica Sisneros	2/12/22 1045

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

April 01, 2022

Plains All American, LP - GHD

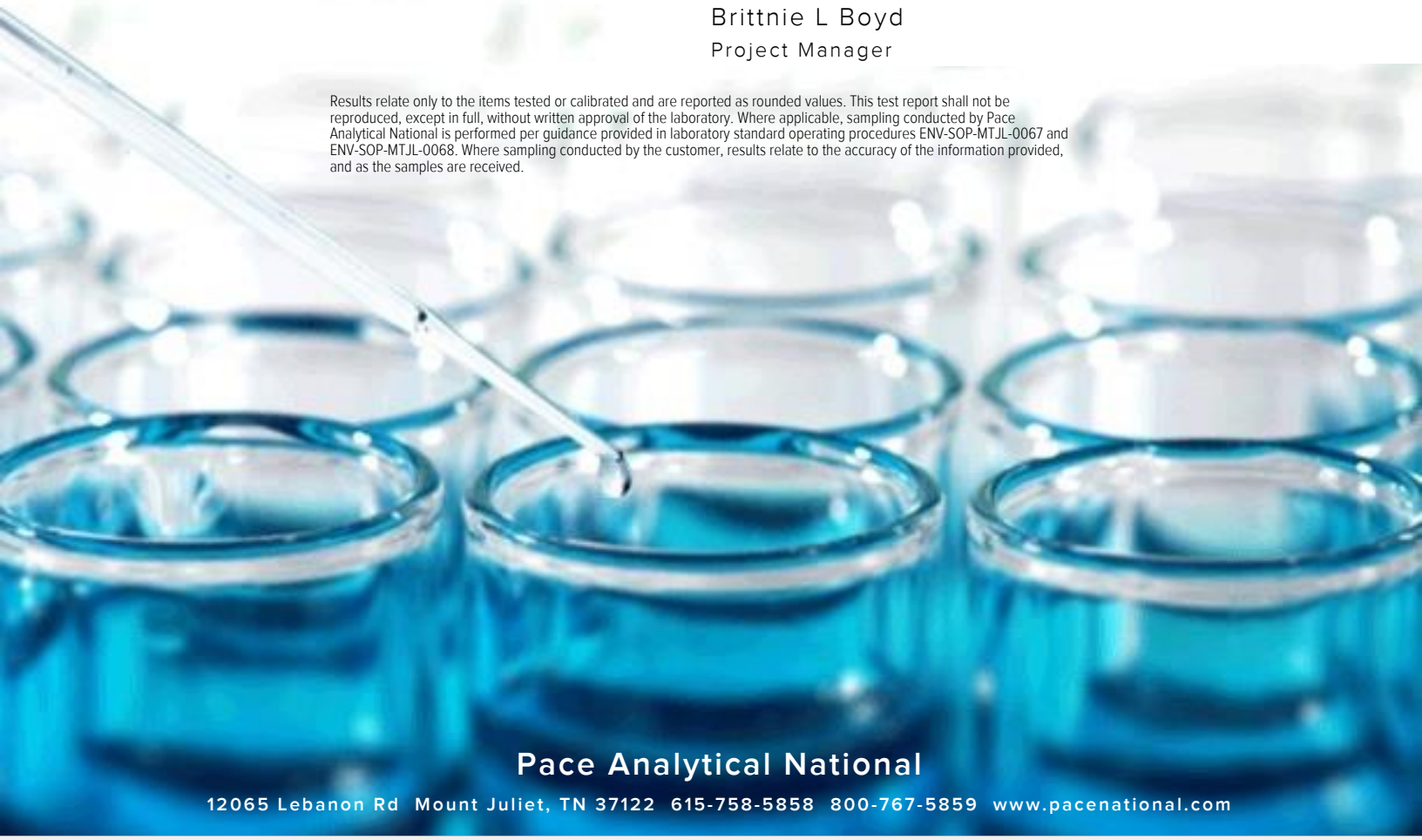
Sample Delivery Group:	L1476234
Samples Received:	03/29/2022
Project Number:	11209891/01
Description:	Plains Darr 2 SRS-LF 1999-62

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

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

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

D2-SYSTEM PUMP ON 3-28-22 L1476234-01 Air

Collected by: David Fletcher
Collected date/time: 03/28/22 12:15
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	400	03/30/22 01:41	03/30/22 01:41	CEP	Mt. Juliet, TN

D2-SYSTEM PUMP OFF 3-28-22 L1476234-02 Air

Collected by: David Fletcher
Collected date/time: 03/28/22 12:30
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	400	03/30/22 02:21	03/30/22 02:21	CEP	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: 04/01/2022 10:03
Project Name: Plains Darr 2 SRS-LF 1999-62	Laboratory Job Number: L1476234-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965

#[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: 04/01/2022 10:03
Project Name: Plains Darr 2 SRS-LF 1999-62	Laboratory Job Number: L1476234-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965

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

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

Revised May 2010

Laboratory Review Checklist: Exceptions Reports

Laboratory Name: Pace Analytical National	LRC Date: 04/01/2022 10:03
Project Name: Plains Darr 2 SRS-LF 1999-62	Laboratory Job Number: L1476234-01 and 02
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1839965

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	80.0	256	2800	8940		400	WG1839965
Toluene	108-88-3	92.10	200	753	8880	33400		400	WG1839965
Ethylbenzene	100-41-4	106	80.0	347	2740	11900		400	WG1839965
m&p-Xylene	1330-20-7	106	160	694	6320	27400		400	WG1839965
o-Xylene	95-47-6	106	80.0	347	1940	8410		400	WG1839965
Methyl tert-butyl ether	1634-04-4	88.10	80.0	288	ND	ND		400	WG1839965
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	1080000	4460000		400	WG1839965
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*106*				WG1839965

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	2190	7000		400	WG1839965
Toluene	108-88-3	92.10	200	753	5300	20000		400	WG1839965
Ethylbenzene	100-41-4	106	80.0	347	2590	11200		400	WG1839965
m&p-Xylene	1330-20-7	106	160	694	6150	26700		400	WG1839965
o-Xylene	95-47-6	106	80.0	347	1990	8630		400	WG1839965
Methyl tert-butyl ether	1634-04-4	88.10	80.0	288	ND	ND		400	WG1839965
TPH (GC/MS) Low Fraction	8006-61-9	101	80000	330000	778000	3210000		400	WG1839965
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*105*				WG1839965

Method Blank (MB)

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

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	*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 %
Benzene	3.75	3.82	3.97	102	106	70.0-130			3.85	25
Toluene	3.75	3.79	4.03	101	107	70.0-130			6.14	25
Ethylbenzene	3.75	3.78	4.01	101	107	70.0-130			5.91	25
m&p-Xylene	7.50	7.63	8.00	102	107	70.0-130			4.73	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
TPH (GC/MS) Low Fraction	203	229	235	113	116	70.0-130			2.59	25
(S) 1,4-Bromofluorobenzene				*101*	*99.4*	*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
	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:
Camille Bryant
10 Desta Dr., Ste. 550E
Midland, TX 79705

Report to: **Becky Haskell**

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

Project Description: **Plains Darr 2 SRS-LF 1999-62**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-250-7917**

Client Project # **11209891/01**

Lab Project # **PLAINSGHD-11209891**

Collected by (print): David Fletcher

Collected by (signature): David Fletcher

Site/Facility ID #

P.O. #

Quote #

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

Analysis / Container / Preservative

Chain of Custody

Pace Analytical®

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 # L1476234
H206

Acctnum: **PLAINSGHD**
Template: **T173721**
Prelogin: **P863984**
PM: **823 - Olivia Studebaker**
PB: 3/29/22 JCD
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	M18-MOD Tedlar	Remarks	Sample # (lab only)
D2-System pump ON 3-28-22	GRAB	Air	NA	3-28-22	1215	2	4		
D2-System pump OFF 3-28-22	↓	Air	↓	↓	1230	↓	↓		
		Air							
		Air							

* 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 3209

Sample Receipt Checklist

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

	Date:	Time:		
Relinquished by : (Signature) David Fletcher	3-28-22	1600	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	3/29/22	1700	Received by: (Signature) FedEx	Temp: Amb °C Bottles Received: 4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 3/29/22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

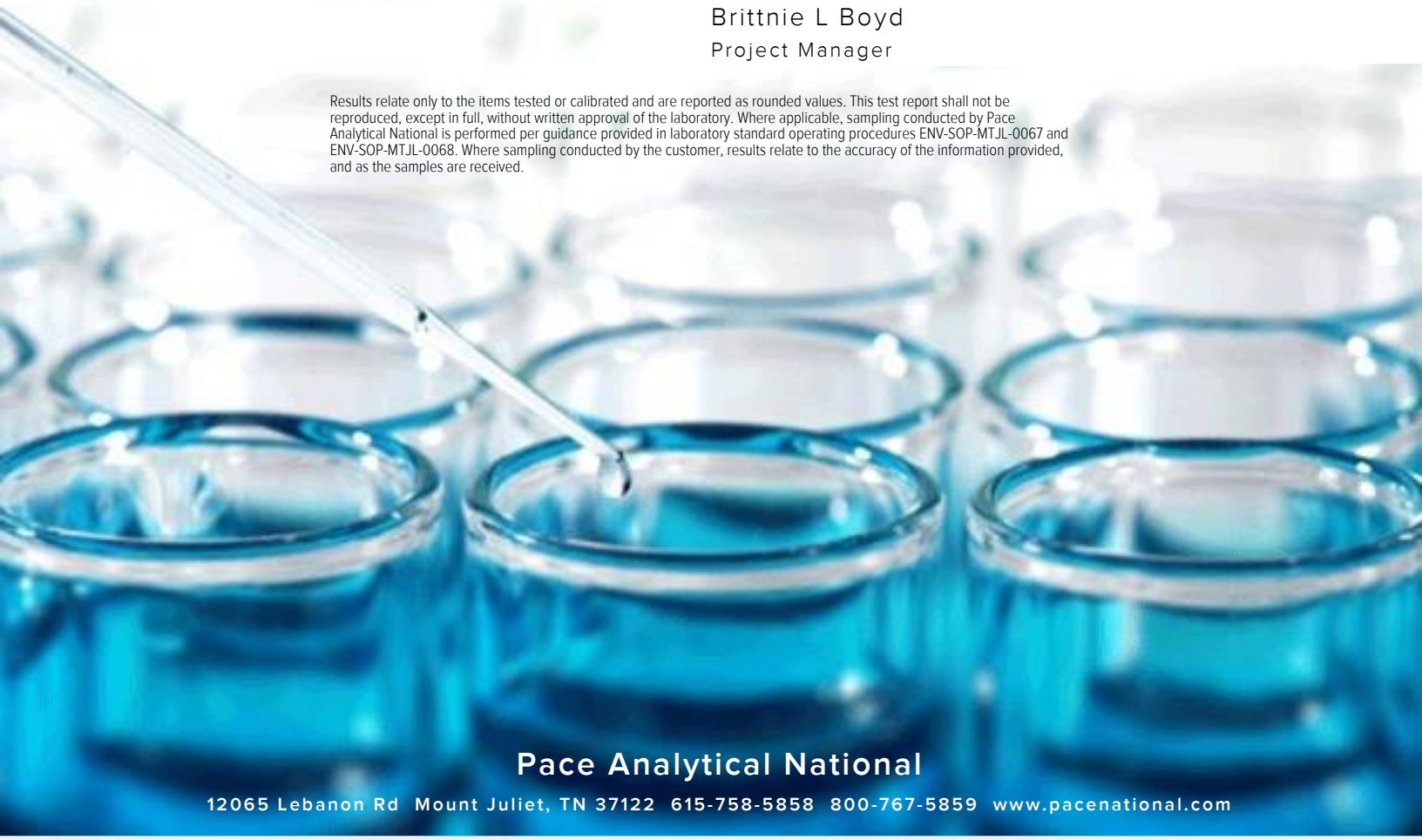
May 13, 2022

Plains All American, LP - GHD

Sample Delivery Group:	L1491096
Samples Received:	05/06/2022
Project Number:	SRS LF 1999-62
Description:	Darr Angell #2
Site:	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

MW-4R-050422 L1491096-01 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 10:15 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 00:43	05/13/22 00:43	CAM	Mt. Juliet, TN

MW-6R-050422 L1491096-02 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 10:42 | Received date/time: 05/06/22 08:00

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

MW-7R-050422 L1491096-03 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 11:12 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 01:26	05/13/22 01:26	CAM	Mt. Juliet, TN

MW-8R-050422 L1491096-04 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 11:40 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 01:47	05/13/22 01:47	CAM	Mt. Juliet, TN

MW-9R-050422 L1491096-05 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 12:05 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 02:30	05/13/22 02:30	CAM	Mt. Juliet, TN

MW-10R-050422 L1491096-06 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 12:30 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 02:52	05/13/22 02:52	CAM	Mt. Juliet, TN

MW-13-050422 L1491096-07 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 13:00 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 03:17	05/13/22 03:17	CAM	Mt. Juliet, TN

MW-3R-050422 L1491096-08 GW

Collected by: David Fletcher | Collected date/time: 05/04/22 13:40 | Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 03:38	05/13/22 03:38	CAM	Mt. Juliet, TN

MW-12-050422 L1491096-09 GW

Collected by: David Fletcher
Collected date/time: 05/04/22 14:05
Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862657	1	05/13/22 04:00	05/13/22 04:00	CAM	Mt. Juliet, TN

RW-12-050422 L1491096-10 GW

Collected by: David Fletcher
Collected date/time: 05/04/22 14:40
Received date/time: 05/06/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1862662	1	05/12/22 14:24	05/12/22 14:24	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: 05/13/2022 13:44
Project Name: Darr Angell #2	Laboratory Job Number: L1491096-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862662 and WG1862657

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

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

Revised May 2010

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 05/13/2022 13:44
Project Name: Darr Angell #2	Laboratory Job Number: L1491096-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862662 and WG1862657

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

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

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 05/13/2022 13:44
Project Name: Darr Angell #2	Laboratory Job Number: L1491096-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1862662 and WG1862657

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	05/13/2022 00:43	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 00:43	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 00:43	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 00:43	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/13/2022 00:43*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/13/2022 01:26	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 01:26	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 01:26	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 01:26	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/13/2022 01:26*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/13/2022 01:47	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 01:47	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 01:47	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 01:47	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/13/2022 01:47*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/13/2022 02:30	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 02:30	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 02:30	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 02:30	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/13/2022 02:30*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/13/2022 02:52	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 02:52	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 02:52	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 02:52	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/13/2022 02:52*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	05/13/2022 03:17	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 03:17	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 03:17	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 03:17	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*05/13/2022 03:17*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000643		0.000190	0.000500	0.000500	1	05/13/2022 03:38	WG1862657
Toluene	0.000895	J	0.000412	0.00100	0.00100	1	05/13/2022 03:38	WG1862657
Ethylbenzene	0.000510		0.000160	0.000500	0.000500	1	05/13/2022 03:38	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 03:38	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/13/2022 03:38*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00132		0.000190	0.000500	0.000500	1	05/13/2022 04:00	WG1862657
Toluene	U		0.000412	0.00100	0.00100	1	05/13/2022 04:00	WG1862657
Ethylbenzene	U		0.000160	0.000500	0.000500	1	05/13/2022 04:00	WG1862657
Total Xylene	U		0.000510	0.00150	0.00150	1	05/13/2022 04:00	WG1862657
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*05/13/2022 04:00*	WG1862657

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	0.0675		0.000190	0.000500	0.000500	1	05/12/2022 14:24	WG1862662
Toluene	0.00238		0.000412	0.00100	0.00100	1	05/12/2022 14:24	WG1862662
Ethylbenzene	0.00248		0.000160	0.000500	0.000500	1	05/12/2022 14:24	WG1862662
Total Xylene	0.0271		0.000510	0.00150	0.00150	1	05/12/2022 14:24	WG1862662
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*05/12/2022 14:24*	WG1862662

Method Blank (MB)

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

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

Laboratory Control Sample (LCS)

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

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

Method Blank (MB)

(MB) R3791343-3 05/12/22 09:38

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

Laboratory Control Sample (LCS)

(LCS) R3791343-2 05/12/22 08:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0483	96.6	77.0-122	
Toluene	0.0500	0.0456	91.2	80.0-121	
Ethylbenzene	0.0500	0.0498	99.6	80.0-123	
Total Xylene	0.150	0.148	98.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*99.9*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Site/Facility ID # SRS LF 1999-62

P.O. #

Collected by (signature): David Fletcher

Immediately Packed on Ice N ___ Y ___

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

Quote #

Date Results Needed: Standard TAT Per SSOW

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 8021B 40mLAmb-HCL	Remarks	Sample # (lab only)
MW-4R-050422	GRAB	GW	NA	5-4-22	1015	3	X		-01
MW-6R-050422					1042				-02
MW-7R-050422					1112				-03
MW-8R-050422					1140				-04
MW-9R-050422					1205				-05
MW-10R-050422					1230				-06
MW-13-050422					1300				-07
MW-3R-050422					1340				-08
MW-12-050422					1405				-09
RW-12-050422					1440				-10

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 # 149196
H237

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 #

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	5-4-22	08:30		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: DR#7 °C Bottles Received:
	5-5-22	1700	SWA (EM)	3.7+0=3.7 30
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				5/6/22 800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

TN

ANALYTICAL REPORT

June 13, 2022

Revised Report

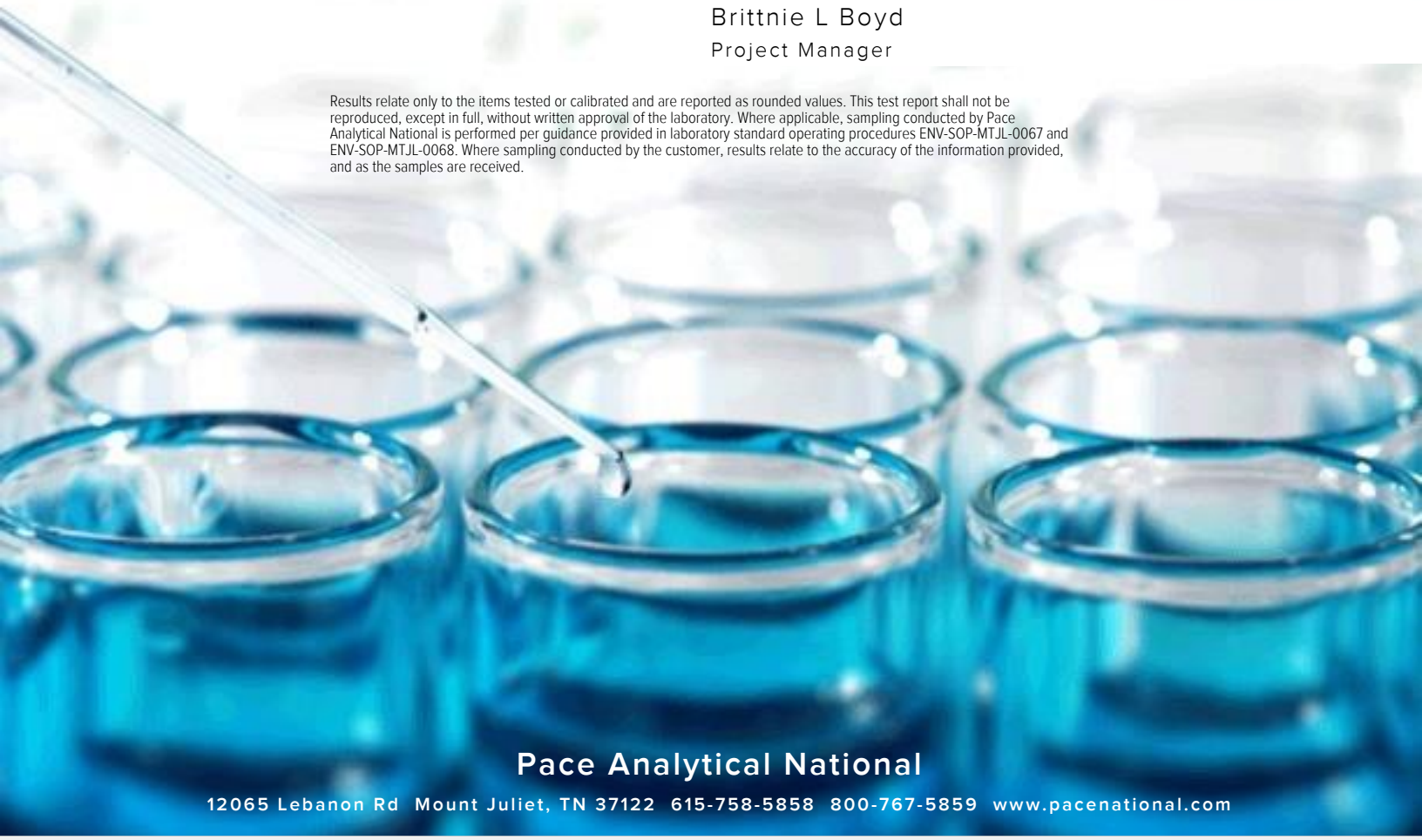
Plains All American, LP - GHD

Sample Delivery Group:	L1501757
Samples Received:	06/07/2022
Project Number:	SRS LF 1999-62
Description:	Darr Angell #2
Site:	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

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



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

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DARR-2-ON-060622 L1501757-01 Air

Collected by: Mitchell Clemens
Collected date/time: 06/06/22 11:00
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 20:40	06/07/22 20:40	MBF	Mt. Juliet, TN

DARR-2-OFF-060622 L1501757-04 Air

Collected by: Mitchell Clemens
Collected date/time: 06/06/22 11:10
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	06/07/22 22:08	06/07/22 22:08	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: 06/08/22 15:52

Project Narrative

Removed duplicate samples per client.

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: 06/13/2022 08:37
Project Name: Darr Angell #2	Laboratory Job Number: L1501757-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535

#[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 08:37
Project Name: Darr Angell #2	Laboratory Job Number: L1501757-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535

#[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 08:37
Project Name: Darr Angell #2	Laboratory Job Number: L1501757-01 and 04
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1875535

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	8000	25600		2000	WG1875535
Toluene	108-88-3	92.10	1000	3770	24100	90800		2000	WG1875535
Ethylbenzene	100-41-4	106	400	1730	9990	43300		2000	WG1875535
m&p-Xylene	1330-20-7	106	800	3470	27300	118000		2000	WG1875535
o-Xylene	95-47-6	106	400	1730	8650	37500		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	3190000	13200000		2000	WG1875535
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				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	7360	23500		2000	WG1875535
Toluene	108-88-3	92.10	1000	3770	22000	82900		2000	WG1875535
Ethylbenzene	100-41-4	106	400	1730	9360	40600		2000	WG1875535
m&p-Xylene	1330-20-7	106	800	3470	25300	110000		2000	WG1875535
o-Xylene	95-47-6	106	400	1730	8020	34800		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	3020000	12500000		2000	WG1875535
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*102*				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 #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): Mitchell Clemens

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

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-2-on-060622	Grab	AIR	~	6-6-22	~~1200~~ 1100	1				-01
Darr-2-off-060622	↓	↓	↓	↓	~~1200~~ 1100					-02
Darr-2-on-060622					~~1210~~ 1110					-03
Darr-2-off-060622					~~1210~~ 1110					-04

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

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

L# L501757
J086

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 # 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 #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): Mitch Clemens

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

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
Darr-2-ON-060622	G	AIR	-	06/06/22	1100	1	X	X
Darr-2-OFF-060622	G	AIR	-	06/06/22	1110	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:

Remarks | Sample # (lab only)

* 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 #

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

Pace Analytical®

ANALYTICAL REPORT

August 31, 2022

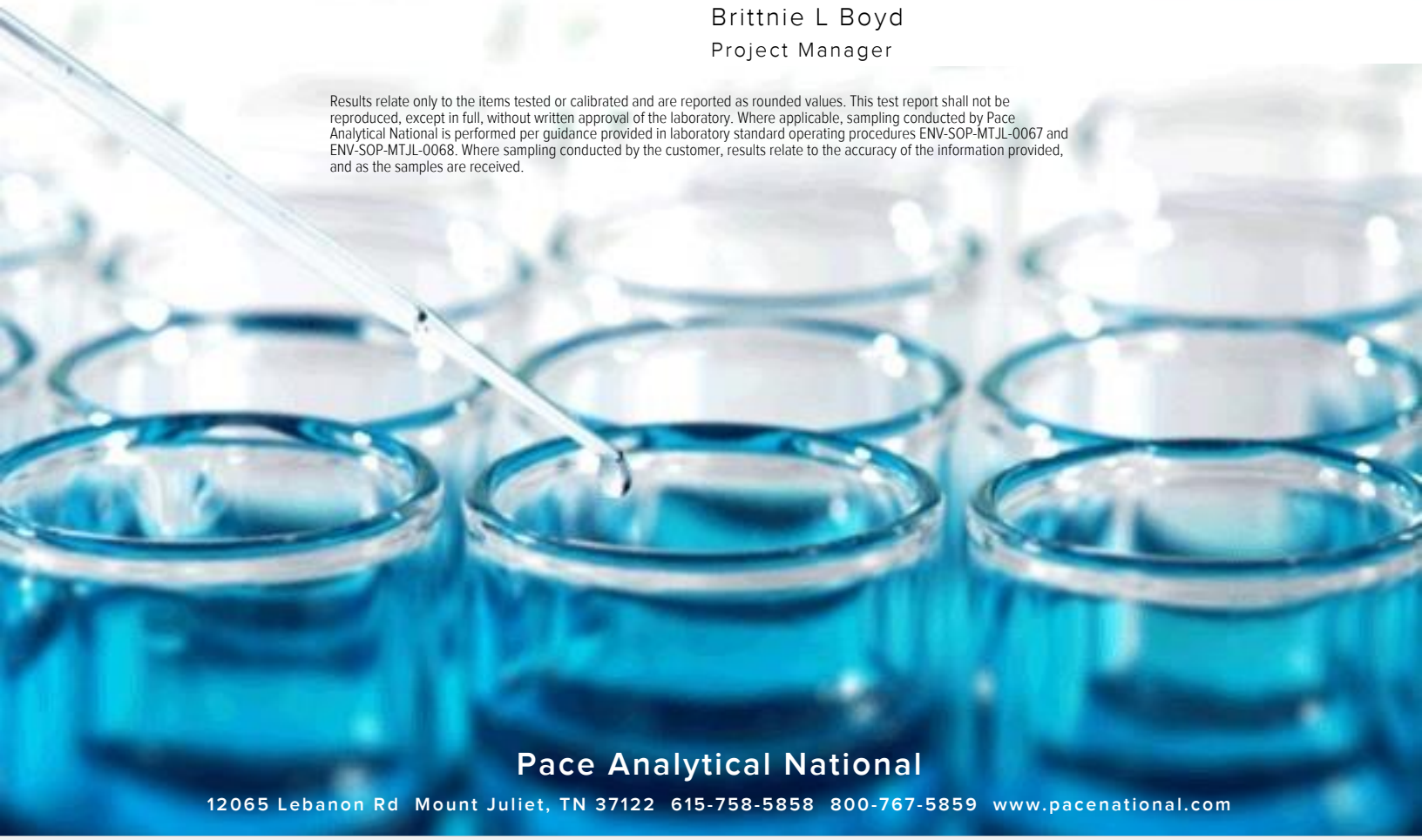
Plains All American, LP - GHD

Sample Delivery Group:	L1529231
Samples Received:	08/25/2022
Project Number:	12572707/01
Description:	Darr Angell #2
Site:	SRS LF 1999-62
Report To:	Glenn Quinney 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

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



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

TABLE OF CONTENTS

MW-4R-081722 L1529231-01 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 12:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 08:37	08/29/22 08:37	BAM	Mt. Juliet, TN

MW-6R-081922 L1529231-02 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 12:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 08:59	08/29/22 08:59	BAM	Mt. Juliet, TN

MW-7R-081722 L1529231-03 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 14:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 09:20	08/29/22 09:20	BAM	Mt. Juliet, TN

MW-8R-081722 L1529231-04 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 13:45 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 09:59	08/29/22 09:59	BAM	Mt. Juliet, TN

MW-9R-081722 L1529231-05 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 11:00 | Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 10:20	08/29/22 10:20	BAM	Mt. Juliet, TN

MW-10R-081722 L1529231-06 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 11:50 | 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	WG1917875	1	08/29/22 10:42	08/29/22 10:42	BAM	Mt. Juliet, TN

MW-13-081922 L1529231-07 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 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	WG1917875	1	08/29/22 11:03	08/29/22 11:03	BAM	Mt. Juliet, TN

MW-3R-081922 L1529231-08 GW

Collected by: Ryan Livingston | Collected date/time: 08/17/22 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	WG1917875	1	08/29/22 11:53	08/29/22 11:53	BAM	Mt. Juliet, TN

SAMPLE SUMMARY

MW-12-081922 L1529231-09 GW

Collected by: Ryan Livingston
Collected date/time: 08/17/22 13:35
Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 12:15	08/29/22 12:15	BAM	Mt. Juliet, TN

RW-12-081922 L1529231-10 GW

Collected by: Ryan Livingston
Collected date/time: 08/17/22 14:25
Received date/time: 08/25/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG1917875	1	08/29/22 12:36	08/29/22 12:36	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

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: 08/31/2022 15:28
Project Name: Darr Angell #2	Laboratory Job Number: L1529231-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875

#[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: 08/31/2022 15:28
Project Name: Darr Angell #2	Laboratory Job Number: L1529231-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875

#[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: 08/31/2022 15:28
Project Name: Darr Angell #2	Laboratory Job Number: L1529231-01, 02, 03, 04, 05, 06, 07, 08, 09 and 10
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1917875

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 08:37	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 08:37	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 08:37	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 08:37	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*96.9*				*79.0-125*		*08/29/2022 08:37*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 08:59	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 08:59	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 08:59	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 08:59	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*08/29/2022 08:59*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 09:20	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 09:20	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 09:20	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 09:20	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*96.9*				*79.0-125*		*08/29/2022 09:20*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 09:59	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 09:59	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 09:59	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 09:59	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*99.3*				*79.0-125*		*08/29/2022 09:59*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 10:20	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 10:20	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 10:20	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 10:20	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.6*				*79.0-125*		*08/29/2022 10:20*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 10:42	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 10:42	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 10:42	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 10:42	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*99.2*				*79.0-125*		*08/29/2022 10:42*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 11:03	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 11:03	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 11:03	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 11:03	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*98.9*				*79.0-125*		*08/29/2022 11:03*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 11:53	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 11:53	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 11:53	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 11:53	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.9*				*79.0-125*		*08/29/2022 11:53*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	08/29/2022 12:15	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 12:15	WG1917875
Ethylbenzene	U		0.000160	0.000500	0.000500	1	08/29/2022 12:15	WG1917875
Total Xylene	U		0.000510	0.00150	0.00150	1	08/29/2022 12:15	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*96.5*				*79.0-125*		*08/29/2022 12:15*	WG1917875

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.101		0.000190	0.000500	0.000500	1	08/29/2022 12:36	WG1917875
Toluene	U		0.000412	0.00100	0.00100	1	08/29/2022 12:36	WG1917875
Ethylbenzene	0.0307		0.000160	0.000500	0.000500	1	08/29/2022 12:36	WG1917875
Total Xylene	0.0289		0.000510	0.00150	0.00150	1	08/29/2022 12:36	WG1917875
(S) a,a,a-Trifluorotoluene(PID)	*97.4*				*79.0-125*		*08/29/2022 12:36*	WG1917875

Method Blank (MB)

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

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

Laboratory Control Sample (LCS)

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

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

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

Report to: **Becky Haskell**

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

Project Description: **Darr Angell #2**

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **12572707/01**

Lab Project # **PLAINSGHD-12572707**

Collected by (print): Ryan Livingston

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

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

BTEX 40mlAmb-HCl

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-4R-081722	G	GW		8-17-22	1245	3	X		01
MW-6R-081922		GW		08-19-22	1245				02
MW-7R-81722		GW		8-17-22	1445				03
MW-8R-81722		GW		8-17-22	1345				04
MW-9R-081722		GW		8-17-22	1100				05
MW-10R-081722		GW		8-17-22	1150				06
MW-1-081922		GW		8-19-22	13:00				07
MW-3R-81922		GW		8-19-22	13:30				08
MW-12-081922		GW		8-19-22	1335				09
RW-12-081922		GW		8-19-22	14:25				10

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

SDG # L1529231

E178

Acctnum: **PLAINSGHD**
Template: **T208209**
Prelogin: **P921210**
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	If preservation required by Login: Date/Time
	8/23/22	1030			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.5+0.5=1°C Bottles Received: 30	
	8/23/22	1700	SWA		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8/24/22 Time: 0800	Hold: / Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

September 16, 2022

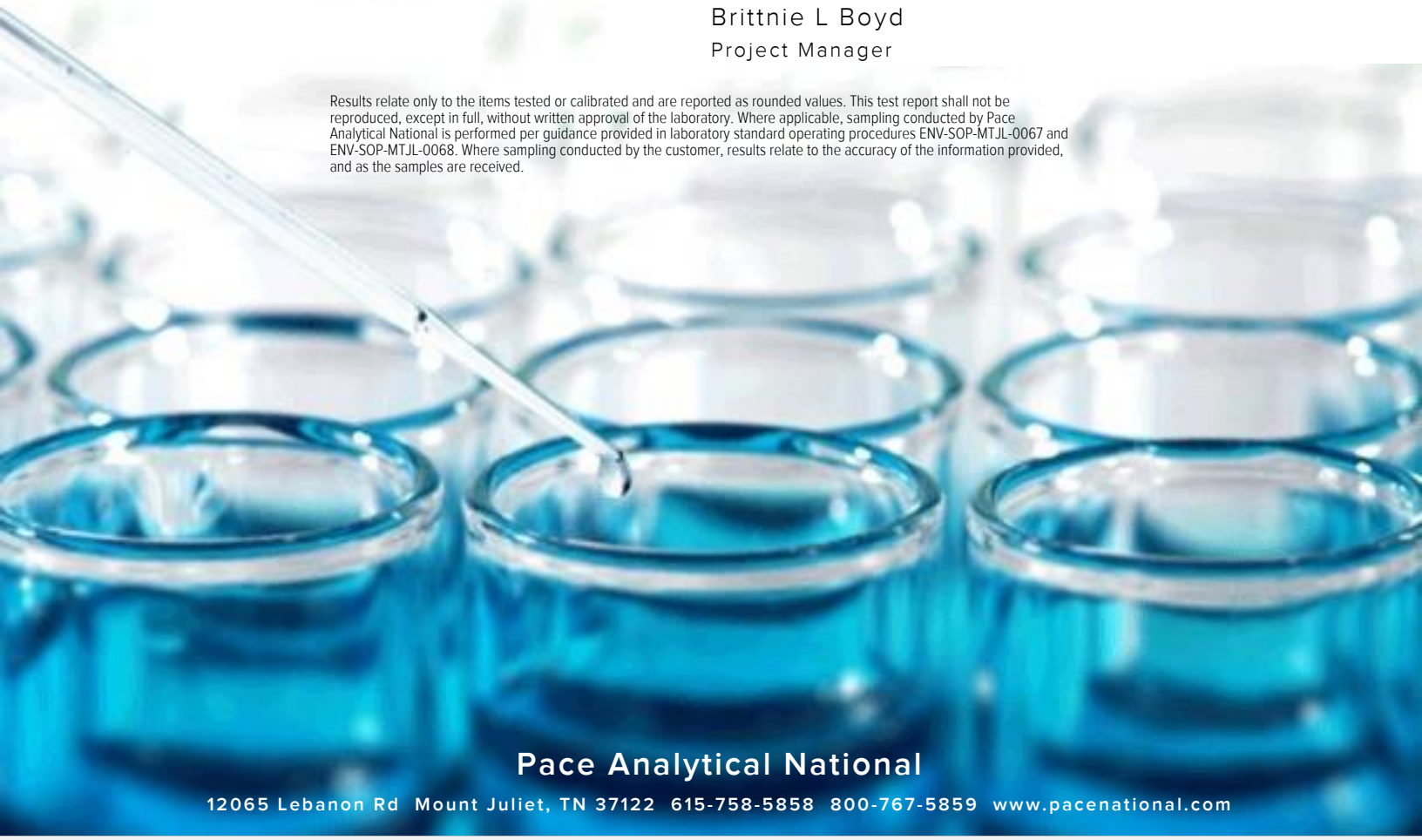
Plains All American, LP - GHD

Sample Delivery Group:	L1535413
Samples Received:	09/14/2022
Project Number:	SRS-LF 1999-62
Description:	Darr Angell #2
Site:	SRS LF 1999-62
Report To:	Glenn Quinney 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Brittnie L Boyd
Project Manager

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



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

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SAMPLE SUMMARY

DARR 2 - ON L1535413-01 Air

			Collected by	Collected date/time	Received date/time
				09/12/22 11:30	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	100	09/15/22 00:50	09/15/22 00:50	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1927061	1000	09/15/22 19:11	09/15/22 19:11	SDS	Mt. Juliet, TN

DARR 2 - OFF L1535413-02 Air

			Collected by	Collected date/time	Received date/time
				09/12/22 12:00	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	100	09/15/22 01:29	09/15/22 01:29	SDS	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method M18-Mod	WG1927061	1000	09/15/22 19:39	09/15/22 19:39	SDS	Mt. Juliet, TN

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

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

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 12:53
Project Name: Darr Angell #2	Laboratory Job Number: L1535413-01 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 12:53
Project Name: Darr Angell #2	Laboratory Job Number: L1535413-01 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 12:53
Project Name: Darr Angell #2	Laboratory Job Number: L1535413-01 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).

DARK 2 - UN
Collected date/time: 09/12/22 11:30
L1535413

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	20.0	63.9	ND	ND		100	WG1926261
Toluene	108-88-3	92.10	50.0	188	3290	12400		100	WG1926261
Ethylbenzene	100-41-4	106	20.0	86.7	1770	7670		100	WG1926261
m&p-Xylene	1330-20-7	106	40.0	173	5270	22800		100	WG1926261
o-Xylene	95-47-6	106	20.0	86.7	1770	7670		100	WG1926261
Methyl tert-butyl ether	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1926261
TPH (GC/MS) Low Fraction	8006-61-9	101	200000	826000	1120000	4630000		1000	WG1927061
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*127*				WG1926261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.0*				WG1927061

DARK 2 - UPT
Collected date/time: 09/12/22 12:00
L1535413

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	20.0	63.9	ND	ND		100	WG1926261
Toluene	108-88-3	92.10	50.0	188	2860	10800		100	WG1926261
Ethylbenzene	100-41-4	106	20.0	86.7	1560	6760		100	WG1926261
m&p-Xylene	1330-20-7	106	40.0	173	4760	20600		100	WG1926261
o-Xylene	95-47-6	106	20.0	86.7	1610	6980		100	WG1926261
Methyl tert-butyl ether	1634-04-4	88.10	20.0	72.1	ND	ND		100	WG1926261
TPH (GC/MS) Low Fraction	8006-61-9	101	200000	826000	1140000	4710000		1000	WG1927061
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*125*				WG1926261
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.2*				WG1927061

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
(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
(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
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 %
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
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 #2

City/State Collected: Lovington, NM

Phone: 432-640-9715
Fax:

Client Project #: SRS-LF 1999-62

Lab Project #: SRS-LF 1999-62

Collected by (print):

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

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

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 2- on	Grab	Air	-	9-12-22	1130	2	X	X		-01
Darr 2- off	↓	↓	-	↓	1200	↓	↓	↓		-02

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# L833413
F127

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 #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Mitchell Clemens	9-12-22	08:15	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/13/22	9:27	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
	9/13/22	1700	Fed Ex

Trip Blank Received: Yes (No) HCL / MeoH TBR
0

Temp: AMB °C Bottles Received: 4

Date: 9/14/22 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

November 17, 2022

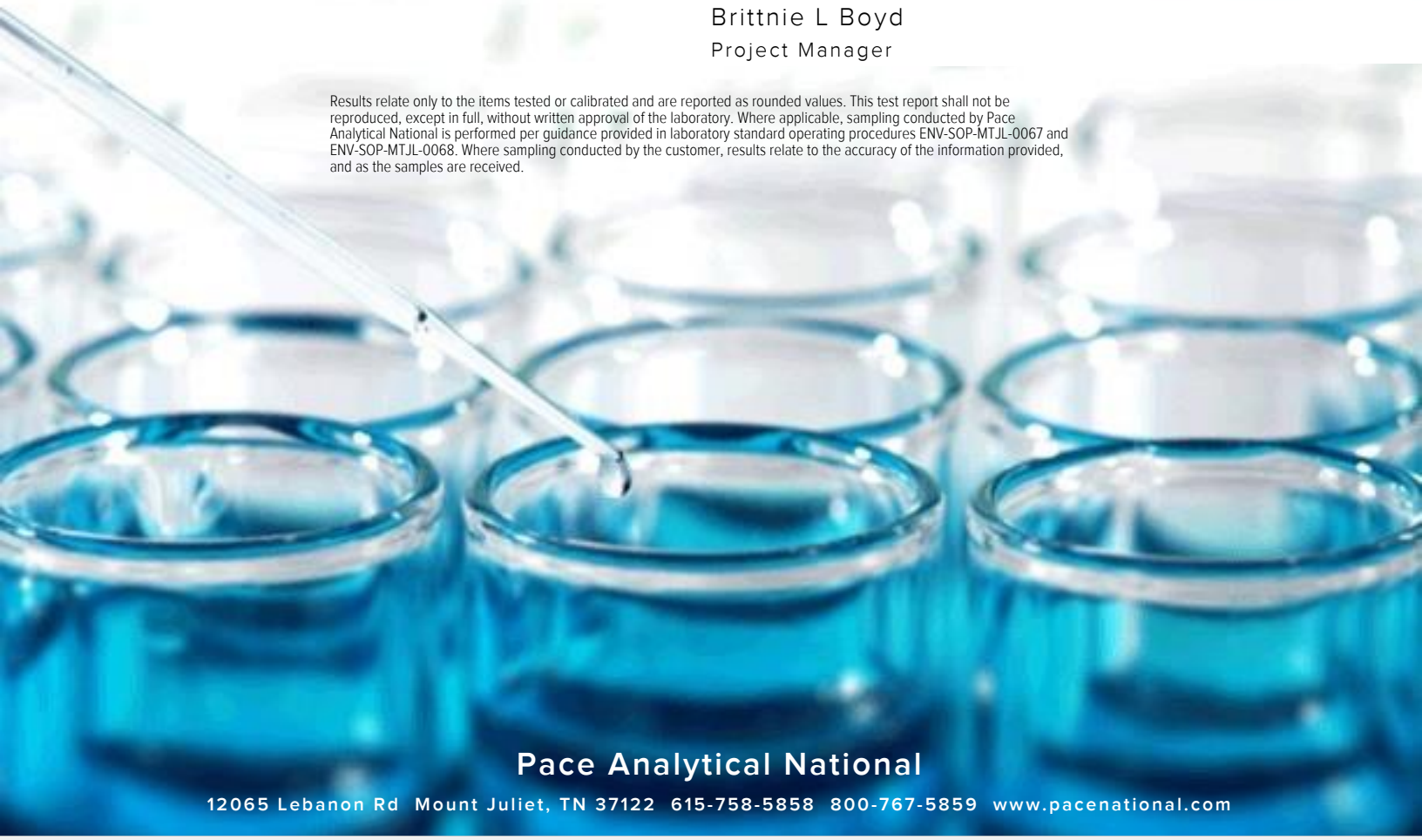
Plains All American, LP - GHD

Sample Delivery Group:	L1556534
Samples Received:	11/10/2022
Project Number:	12572707/01
Description:	Darr Angell #2
Site:	SRS LF 1999-62
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

D2-MW-3R-110822 L1556534-01 GW

Collected by: ES. MC | Collected date/time: 11/08/22 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 19:24	11/13/22 19:24	BAM	Mt. Juliet, TN

D2-MW-4R-110822 L1556534-02 GW

Collected by: ES. MC | Collected date/time: 11/08/22 13:40 | 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 19:46	11/13/22 19:46	BAM	Mt. Juliet, TN

D2-MW-6R-110822 L1556534-03 GW

Collected by: ES. MC | Collected date/time: 11/08/22 14:20 | 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	WG1958768	1	11/13/22 14:46	11/13/22 14:46	BAM	Mt. Juliet, TN

D2-MW-7R-110822 L1556534-04 GW

Collected by: ES. MC | Collected date/time: 11/08/22 14:40 | 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	WG1958768	1	11/13/22 15:08	11/13/22 15:08	BAM	Mt. Juliet, TN

D2-MW-8R-110822 L1556534-05 GW

Collected by: ES. MC | Collected date/time: 11/08/22 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	WG1958768	1	11/13/22 15:30	11/13/22 15:30	BAM	Mt. Juliet, TN

D2-MW-9R-110822 L1556534-06 GW

Collected by: ES. MC | Collected date/time: 11/08/22 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	WG1958768	1	11/13/22 16:05	11/13/22 16:05	BAM	Mt. Juliet, TN

D2-MW-10R-110822 L1556534-07 GW

Collected by: ES. MC | Collected date/time: 11/08/22 12:00 | 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	WG1958768	1	11/13/22 16:27	11/13/22 16:27	BAM	Mt. Juliet, TN

D2-MW-12-110822 L1556534-08 GW

Collected by: ES. MC | Collected date/time: 11/08/22 13:10 | 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	WG1958768	1	11/13/22 17:13	11/13/22 17:13	BAM	Mt. Juliet, TN

SAMPLE SUMMARY

D2-MW-13-110822 L1556534-09 GW

Collected by: ES. MC | Collected date/time: 11/08/22 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	WG1958768	1	11/13/22 17:35	11/13/22 17:35	BAM	Mt. Juliet, TN

D2-RW-12-110822 L1556534-10 GW

Collected by: ES. MC | Collected date/time: 11/08/22 12:20 | 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	WG1958768	1	11/13/22 17:57	11/13/22 17:57	BAM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1958850	1	11/14/22 07:12	11/14/22 10:20	AO	Mt. Juliet, TN

D2-DUP1-110822 L1556534-11 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	WG1958768	1	11/13/22 18:19	11/13/22 18:19	BAM	Mt. Juliet, TN

D2-TRIP-BLANK-110822 L1556534-12 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	WG1958768	1	11/13/22 11:28	11/13/22 11:28	BAM	Mt. Juliet, TN

D2-EQUIPMENT-BLANK-110822 L1556534-13 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	WG1958768	1	11/13/22 14:24	11/13/22 14:24	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

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 15:50
Project Name: Darr Angell #2	Laboratory Job Number: L1556534-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958850, WG1958768 and 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				
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: 11/17/2022 15:50
Project Name: Darr Angell #2	Laboratory Job Number: L1556534-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958850, WG1958768 and 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).

Revised May 2010

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 11/17/2022 15:50
Project Name: Darr Angell #2	Laboratory Job Number: L1556534-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12 and 13
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG1958850, WG1958768 and WG1958762

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	0.000572		0.000190	0.000500	0.000500	1	11/13/2022 19:24	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 19:24	WG1958762
Ethylbenzene	0.00114	B	0.000160	0.000500	0.000500	1	11/13/2022 19:24	WG1958762
Total Xylene	0.00265		0.000510	0.00150	0.00150	1	11/13/2022 19:24	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 19:24*	WG1958762

D2-MW-4R-110822
Collected date/time: 11/08/22 13:40
L1556534

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	0.00341		0.000190	0.000500	0.000500	1	11/13/2022 19:46	WG1958762
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 19:46	WG1958762
Ethylbenzene	0.000284	B J	0.000160	0.000500	0.000500	1	11/13/2022 19:46	WG1958762
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 19:46	WG1958762
(S) a,a,a-Trifluorotoluene(PID)	*107*				*79.0-125*		*11/13/2022 19:46*	WG1958762

D2-MW-6R-110822
Collected date/time: 11/08/22 14:20
L1556534

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 14:46	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 14:46	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 14:46	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 14:46	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 14:46*	WG1958768

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	11/13/2022 15:08	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 15:08	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 15:08	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 15:08	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 15:08*	WG1958768

D2-MW-8R-110822
Collected date/time: 11/08/22 14:00
L1556534

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 15:30	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 15:30	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 15:30	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 15:30	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*113*				*79.0-125*		*11/13/2022 15:30*	WG1958768

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 16:05	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 16:05	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 16:05	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 16:05	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*105*				*79.0-125*		*11/13/2022 16:05*	WG1958768

D2-MW-10R-110822
Collected date/time: 11/08/22 12:00
L1556534

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 16:27	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 16:27	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 16:27	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 16:27	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*11/13/2022 16:27*	WG1958768

D2-MW-12-110822
Collected date/time: 11/08/22 13:10
L1556534

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	0.000697		0.000190	0.000500	0.000500	1	11/13/2022 17:13	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 17:13	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 17:13	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 17:13	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 17:13*	WG1958768

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 17:35	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 17:35	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 17:35	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 17:35	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 17:35*	WG1958768

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	0.0267		0.000190	0.000500	0.000500	1	11/13/2022 17:57	WG1958768
Toluene	0.000845	B J	0.000412	0.00100	0.00100	1	11/13/2022 17:57	WG1958768
Ethylbenzene	0.0234		0.000160	0.000500	0.000500	1	11/13/2022 17:57	WG1958768
Total Xylene	0.0174		0.000510	0.00150	0.00150	1	11/13/2022 17:57	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*11/13/2022 17:57*	WG1958768

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

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Acenaphthene	0.000109		0.0000190	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Acenaphthylene	U		0.0000171	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Benzo(a)anthracene	U		0.0000203	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Benzo(a)pyrene	U		0.0000184	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Benzo(b)fluoranthene	U		0.0000168	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Benzo(k)fluoranthene	U		0.0000202	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Chrysene	U		0.0000179	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Dibenzofuran	0.000478		0.0000191	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Fluoranthene	U		0.0000270	0.000100	0.000100	1	11/14/2022 10:20	WG1958850
Fluorene	0.0000590		0.0000169	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Naphthalene	0.00237		0.0000917	0.000250	0.000250	1	11/14/2022 10:20	WG1958850
Phenanthrene	0.000204		0.0000180	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
Pyrene	U		0.0000169	0.0000500	0.0000500	1	11/14/2022 10:20	WG1958850
1-Methylnaphthalene	0.00194		0.0000687	0.000250	0.000250	1	11/14/2022 10:20	WG1958850
2-Methylnaphthalene	0.00224		0.0000674	0.000250	0.000250	1	11/14/2022 10:20	WG1958850
(S) Nitrobenzene-d5	*110*				*31.0-160*		*11/14/2022 10:20*	WG1958850
(S) 2-Fluorobiphenyl	*103*				*48.0-148*		*11/14/2022 10:20*	WG1958850
(S) p-Terphenyl-d14	*118*				*37.0-146*		*11/14/2022 10:20*	WG1958850

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	0.0284		0.000190	0.000500	0.000500	1	11/13/2022 18:19	WG1958768
Toluene	0.000933	B J	0.000412	0.00100	0.00100	1	11/13/2022 18:19	WG1958768
Ethylbenzene	0.0244		0.000160	0.000500	0.000500	1	11/13/2022 18:19	WG1958768
Total Xylene	0.0195		0.000510	0.00150	0.00150	1	11/13/2022 18:19	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*11/13/2022 18:19*	WG1958768

D2-TRIP-BLANK-110822
Collected date/time: 11/08/22 00:00
L1556534

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 11:28	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 11:28	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 11:28	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 11:28	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 11:28*	WG1958768

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 14:24	WG1958768
Toluene	U		0.000412	0.00100	0.00100	1	11/13/2022 14:24	WG1958768
Ethylbenzene	U		0.000160	0.000500	0.000500	1	11/13/2022 14:24	WG1958768
Total Xylene	U		0.000510	0.00150	0.00150	1	11/13/2022 14:24	WG1958768
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*11/13/2022 14:24*	WG1958768

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*	

Method Blank (MB)

(MB) R3861858-3 11/13/22 11:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	0.000545	J	0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	0.000623	J	0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*100*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3861858-1 11/13/22 09:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0472	94.4	77.0-122	
Toluene	0.0500	0.0498	99.6	80.0-121	
Ethylbenzene	0.0500	0.0526	105	80.0-123	
Total Xylene	0.150	0.150	100	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*101*	*79.0-125*	

Method Blank (MB)

(MB) R3860712-3 11/14/22 10:02

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Dibenzofuran	U		0.0000191	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
(S) Nitrobenzene-d5	*117*			*31.0-160*
(S) 2-Fluorobiphenyl	*100*			*48.0-148*
(S) p-Terphenyl-d14	*121*			*37.0-146*

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

(LCS) R3860712-1 11/14/22 09:27 • (LCSD) R3860712-2 11/14/22 09:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00230	0.00223	115	111	67.0-150			3.09	20
Acenaphthene	0.00200	0.00226	0.00220	113	110	65.0-138			2.69	20
Acenaphthylene	0.00200	0.00220	0.00213	110	106	66.0-140			3.23	20
Benzo(a)anthracene	0.00200	0.00237	0.00227	118	114	61.0-140			4.31	20
Benzo(a)pyrene	0.00200	0.00252	0.00236	126	118	60.0-143			6.56	20
Benzo(b)fluoranthene	0.00200	0.00232	0.00232	116	116	58.0-141			0.000	20
Benzo(g,h,i)perylene	0.00200	0.00213	0.00207	106	104	52.0-153			2.86	20
Benzo(k)fluoranthene	0.00200	0.00230	0.00217	115	108	58.0-148			5.82	20
Chrysene	0.00200	0.00246	0.00238	123	119	64.0-144			3.31	20
Dibenz(a,h)anthracene	0.00200	0.00211	0.00203	105	102	52.0-155			3.86	20
Dibenzofuran	0.00200	0.00228	0.00222	114	111	67.0-134			2.67	20

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

(LCS) R3860712-1 11/14/22 09:27 • (LCSD) R3860712-2 11/14/22 09:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluoranthene	0.00200	0.00252	0.00242	126	121	69.0-153			4.05	20
Fluorene	0.00200	0.00230	0.00222	115	111	64.0-136			3.54	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00218	0.00213	109	106	54.0-153			2.32	20
Naphthalene	0.00200	0.00215	0.00207	107	104	61.0-137			3.79	20
Phenanthrene	0.00200	0.00233	0.00225	117	112	62.0-137			3.49	20
Pyrene	0.00200	0.00247	0.00244	123	122	60.0-142			1.22	20
1-Methylnaphthalene	0.00200	0.00210	0.00204	105	102	66.0-142			2.90	20
2-Methylnaphthalene	0.00200	0.00212	0.00203	106	102	62.0-136			4.34	20
(S) Nitrobenzene-d5				*115*	*110*	*31.0-160*				
(S) 2-Fluorobiphenyl				*97.5*	*99.0*	*48.0-148*				
(S) p-Terphenyl-d14				*115*	*110*	*37.0-146*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

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

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

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 #2

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

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

Lab Project # **PLAINSGHD-12572707**

Collected by (print): ES, MC

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

P.O. #

Collected by (signature): ES, MC

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL	PAHSIMLVI 40mLAmb-NoPres-WT	Remarks	Sample # (lab only)
D2-MW-3R-110822	G	GW	—	11-8-22	12:55	3	X			-01
D2-MW4R-110822	G	GW	—	11-8-22	13:40	3	X			-02
D2-MW6R-110822	G	GW	—	11-8-22	14:20	3	X			-03
D2-MW-7R-110822	G	GW	—	11-8-22	14:40	3	X			-04
D2-MW-8R-110822	G	GW	—	11-8-22	14:00	3	X			-05
D2-MW-9R-110822	G	GW	—	11-8-22	15:00	3	X			-06
D2-MW-10R-110822	G	GW	—	11-8-22	12:00	3	X			-07
D2-MW-12-110822	G	GW	—	11-8-22	13:10	3	X			-08
D2-MW-13-110822	G	GW	—	11-8-22	15:20	3	X			-09
D2-BW-12-110822	G	GW	—	11-8-22	12:20	5	X	X		-10

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

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

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

SDG # L1551653

Tat E095

Acctnum: **PLAINSGHD**

Template: **T217801**

Prelogin: **P960977**

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 # 192208131252

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	Temp: °C	Bottles Received:	If preservation required by Login: Date/Time
	11/9/22	0920		3			
	11/9/22	1700	Fedex		0.9+0=0.9	38	
				Date:	Time:	Hold:	Condition: NCF / OK
				11-10-22	0900		

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 #2

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

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

Lab Project # **PLAINSGHD-12572707**

Collected by (print): ES, MC

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

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

Analysis / Container / Preservative

Chain of Custody

Pace
PEOPLE ADVANCING SCIENCE

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

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

SDG # L1556534

Table #

Acctnum: **PLAINSGHD**

Template: **T217801**

Prelogin: **P960977**

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)
D2-Dupt-110822	G	GW	-	11-8-22	-	3	X			-11
D2-Trip-110822	G	OT	-	11-8-22	-	3	X			
D2-Temp-110822	G	OT	-	11-8-22	-	3				
D2-Equipment-blank-110822	G	OT	-	11-8-22	-	3	X			
D2-Trip-blank-110822	G	OT	-	11-8-22	-	3	X			-12
D2-Equipment-blank-110822	G	OT	-	11-8-22	-	3	X			-13

* 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

	Date:	Time:		
Relinquished by : (Signature)	11/9/22	0920	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)	11/9/22	1700	Received by: (Signature) Fedex	Temp: 0.7 °C Bottles Received: 0.9+0=0.9 38
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-10-22 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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 202748

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 202748
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Satisfactory 1. Continue to conduct quarterly groundwater monitoring events as approved by NMOCD. 2. Continue LNAPL abatement. 3. Continue daily automated remediation system. 4. Submit work plan for P&A to NMOCD 5. Submit 2023 Annual Groundwater Report by or before April 1, 2024.	6/22/2023