2135 S. Loop 250 W.
Midland, Texas 79703
United States
www.ghd.com

REVIEWED
By Mike Buchanan at 3:30 pm, Jul 08, 2024

Review of the 2023 Annual Groundwater Monitoring Report for Lovington Gathering WTI: content satisfactory
1. Continue to conduct quarterly groundwater monitoring and gauging for product as prescribed in report.
2. Continue to analyze for BTEX by EPA method SW846-8021B and from the JW House Well if access is available. If access is not granted, please note why in next report.
3. BTEX abatement in wells: MW-1R, MW-2R, MW-4R, MW-5R, and MW-12 may be suspended.
4. Plains may suspend ORC sock use in MW-3R, MW-4R, MW-5R and MW-12
5. Submit the 2024 annual report to OCD by April 1, 2025.
6. Take groundwater samples for analysis from the Goff Dairy Well, Goff Dairy Center Pivot Irrigation System, if they are in operation during the sampling collection period.

Your ref: AP-96
Our ref: 12604537-Buchanan-1

May 10, 2024

Mr. Michael Buchanan
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
8801 Horizon Blvd NE, Suite 260
Albuquerque, New Mexico 87113

2023 Annual Groundwater Monitoring Report
Lovington Gathering WTI
Plains All American Pipeline, L.P.
Lea County, New Mexico
New Mexico Oil Conservation Division Abatement Permit No. AP-96
Incident Number nAPP2108928398

Dear Mr. Buchanan,

On behalf of Plains All American Pipeline, L.P. (Plains), GHD Services Inc. (GHD) is submitting the *2023 Annual Groundwater Monitoring Report* (Report) for the above-referenced property (Site) to the New Mexico Oil Conservation Division (NMOCD). The Report summarizes activities performed at the Site during 2023 in accordance with the NMOCD's recommendations in response to the 2022 Annual Groundwater Monitoring Report.

Should you have any questions or comments regarding this submittal, please contact the undersigned.

Regards,

Hank McConnell
Project Manager

+1 432 203 8668
Hank.Mcconnell@GHD.com

Blair Owen
Project Director

+1 561 339 3572
Blair.Owen@GHD.com

EF/kdn/1

Encl. 2023 Annual Groundwater Monitoring Report

2023 Annual Groundwater Monitoring Report

Lovington Gathering WTI
Lea County, New Mexico
NMOCD AP-96
Incident ID #: nAPP2108928398

Plains All American Pipeline, L.P.

May 10, 2024

→ The Power of Commitment

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1. Introduction and Site History

This report presents the results of the groundwater monitoring activities conducted during 2023 at the Plains All American Pipeline, L.P. (Plains) Lovington Gathering WTI release site (Site) by GHD Services Inc. (GHD). This Site is located approximately 6.5 miles southeast of Lovington and in the SE ¼, NE ¼, Section 6, Township 17 South, Range 37 East in Lea County, New Mexico. The coordinates of this Site are 32.8649° N latitude and 103.2853° W longitude. The location of the Site is shown on Figure 1. A detailed map of the Site is provided on Figure 2. The pasture affected by the release is owned by Mr. Robert Rice. The Site is regulated by the New Mexico Oil Conservation Division (NMOCD) under Abatement Plan (AP)-96 and is associated with incident number nAPP2108928398.

A crude oil release occurred on April 21, 2006, during purging of the Plains 6-inch Lovington Gathering WTI Pipeline as a result of internal corrosion. At the time the release was discovered, it was estimated approximately 12 barrels (bbls) of crude oil were released with a surface impact extent of approximately 1,500 square feet (ft^2). On April 26, 2006, an Initial Release Notification and Corrective Action, Form C-141 was submitted to the NMOCD and was assigned AP-96. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A. Remedial action began the same day with approximately 8 bbls of crude oil recovered via vac truck. Basin Environmental Service Technologies, LLC (Basin) was notified by Plains to respond, repair the pipeline, and excavate impacted soil. The pipeline was repaired using a clamp, and visually stained soil was excavated and placed on plastic sheeting. Excavation activities during response actions and subsequent remediation of the Site covered a measured area of approximately 30 feet (ft.) long by 27 feet (ft.) wide with an approximate depth of 5 - 6 feet (ft.) below ground surface (bgs).

GHD assumed Site groundwater project management and remediation responsibilities on October 1, 2016. Results of groundwater monitoring events prior to October 1, 2016, were provided by Plains. It is assumed the information provided by Plains to GHD accurate and true.

Seven monitoring wells (MW-1 through MW-7) were installed in 2006, two (MW-8 and MW-9) were installed in 2007, and one (MW-10) was installed in 2009. On September 17, 2018, GHD provided oversight of the plugging and abandonment (P&A) of monitoring wells MW-1 through MW-5 due to them being gauged as dry during previous monitoring events. On September 19, 2018, GHD provided oversight to the installation of five monitoring wells (MW-1R through MW-5R) to replace the five respective plugged and abandoned wells and maintain delineation. An additional two monitoring wells (MW-11 and MW-12) were also installed to further delineate down-gradient groundwater conditions. On December 12, 2024, GHD provided oversight on the installation of three monitoring wells (MW-6R, MW-13, and MW-16) and the P&A of three monitoring wells (MW-6, MW-8, and MW-10) due to consistently gauging dry. A detailed map of the Site with the monitoring well locations depicted is provided on Figure 2.

On May 27, 2020, an oxygen emitter system was installed in monitoring well MW-12 to enhance natural attenuation of the benzene, toluene, ethylbenzene, and xylene (BTEX) constituents of concern (COCs). In April 2021, Oxygen Releasing Compound (ORC) filter socks were installed in monitoring wells MW-1R, MW-2R, and MW-4R to enhance natural attenuation of the BTEX COCs reported in the groundwater at the site. On July 28, 2022, the oxygen emitter system was removed from MW-12 and replaced with an ORC filter sock. ORC filter socks were utilized in MW-1R, MW-2R, MW-4R, and MW-12 since July 2022. On August 16, 2023, the ORC filter socks were removed from MW-1R and MW-2R and new socks were placed in MW-3R and MW-5R.

Currently, the Site has a network of twelve groundwater monitoring wells (MW-1R through MW-5R and MW-6 through MW-12) which are monitored on a quarterly basis to monitor the concentrations of COCs and to delineate the extent of the groundwater impact. The COCs are benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs).

In previous years, groundwater samples were analyzed for PAHs by Environmental Protection Agency (EPA) Method SW846-8270C-SIM on a semi-annual basis for monitoring wells that have not previously met the criteria of two consecutive years of PAH concentrations being below the New Mexico Water Quality Control

Commission (NMWQCC) standards and below 0.001 milligrams per Liter (mg/L) for PAH compounds with no NMWQCC standard, as required by the NMOCD. PAH sampling was discontinued at the Site in 2020 as there were two consecutive years of concentrations less than the NMWQCC Human Health Standard. During the 2023 groundwater event, groundwater samples were not submitted for analysis of PAHs due to the absence of monitoring and recovery wells with analytical results with two consecutive years of concentrations less than the NMWQCC Human Health Standard.

2. Groundwater Monitoring

GHD performed quarterly groundwater monitoring activities at the Site on February 16, April 26, July 25 and 28, and October 31, 2023. The monitoring program included quarterly groundwater gauging and sampling from monitoring wells, the off-Site Goff Dairy Well, the Goff Dairy Center Pivot Well, and the Goff Dairy Center Pivot System (when in use).

2.1 Monitoring Well Gauging

On February 16, April 26, July 25 and 28, and October 31, 2023, GHD personnel measured the approximate depth to groundwater in monitoring wells MW-1R through MW-5R and MW-6 through MW-12 using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory grade soap and purified water prior to gauging each monitoring well. No wells were gauged with a measurable thickness of LNAPL during any of the monitoring events in 2023. Depth to groundwater, LNAPL thickness, and calculated groundwater elevations are summarized in Tables 1a and 1b.

Based on the data collected in 2023, groundwater flow is generally southeast and is consistent with historical data for the Site. The groundwater gradient was calculated at 0.002 foot per linear foot (ft/ft). in February, 0.010 ft/ft in April, 0.012 ft/ft in July, and 0.008 ft/ft in October. Groundwater potentiometric surface maps are presented as Figures 3 through 6.

2.2 Groundwater Sampling

Following gauging during each quarterly monitoring event in 2023, GHD personnel utilized clean, disposable, polyvinyl chloride (PVC) bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The well was given time to recover before collecting a groundwater sample. Purged water recovered during the monitoring events was placed into the Site's above-ground storage tank (AST) pending disposal. Purge water was periodically transported off-Site to a NMOCD-approved disposal facility. Disposal records are available upon request.

Groundwater samples were collected, placed in laboratory provided sample containers, packed in a cooler with ice, and transported under chain-of-custody documentation to Pace Analytical Laboratory in Mt. Juliet, Tennessee. Samples collected for each quarterly monitoring event were submitted for analysis of BTEX by EPA Method SW846-8021B.

When the off-Site Goff Dairy Well and the Goff Dairy Center Pivot Irrigation System were operating and accessible during the quarterly events, GHD conducted groundwater sampling of these systems. The JW House Well was sampled in previous years but was not accessible during any events in 2023. Sampling from the Goff Dairy Well consisted of opening the spigot and allowing water to purge for a minimum of 30 seconds before collecting a sample. The sampling of the Goff Dairy Center Pivot Irrigation System (Pivot) consisted of collecting samples from the sprinklers located near center of the Pivot, at the middle, and/or at the end of the Pivot. The Goff Dairy Well and JW House Well locations are depicted on Figure 2.

2.3 Quality Assurance/Quality Control

During each groundwater monitoring event, a field duplicate was collected as a Quality Assurance/Quality Control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also included with each cooler submitted to the lab as a QA/QC sample for each groundwater monitoring event.

2.4 Analytical Results

The NMWQCC mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC). Groundwater quality standards have been set for the protection of human health, domestic water supply, and irrigation use.

Groundwater analytical results are summarized in Tables 2a, 2b and 3. Corresponding laboratory analytical reports for 2023 are included in Appendix B. COC concentration maps are presented as Figures 7 through 10. Analytical results are summarized as follows:

- Benzene concentrations in groundwater were above the NMWQCC Groundwater Remediation and Delineation Limit in samples from monitoring wells MW-4R, MW-5R, MW-11, and MW-12 during the first quarterly monitoring event, MW-2R, MW-4R, MW-5R, and MW-12 during the second quarterly monitoring event, MW-5R and MW-12 during the third quarterly monitoring event, and MW-12 during the fourth quarter monitoring event.
- Toluene and xylenes concentrations in groundwater were below NMWQCC standards in all samples, except for one xylenes exceedance in the sample from MW-11 during the first quarter monitoring event.
- Ethylbenzene concentrations were below NMWQCC standards in all samples.
- All samples from the Goff Dairy Center Pivot Irrigation System and the Goff Dairy Well were below NMWQCC standards.

3. Remediation Activities

GHD personnel visited the Site weekly to conduct BTEX abatement for monitoring wells with BTEX exceedances, which included MW-1R through MW-5R and MW-12. During each weekly BTEX abatement event, GHD personnel measured the depth to groundwater using an IP which was cleaned with laboratory grade soap and purified water prior to gauging each monitoring well. Following gauging, GHD personnel utilized PVC bailers to purge three well volumes of groundwater. Purged water recovered during the BTEX abatement events was placed into the Site's above-ground storage tank (AST) for disposal at a later date. Purge water was periodically transported off-Site to a NMOCD-approved disposal facility as directed by Plains. Disposal records are available upon request.

ORC filter socks were utilized as a passive remediation method to aid in the natural attenuation of BTEX COCs between abatement events. ORC filter socks were installed in monitoring wells MW-1R, MW-2R, MW-4R, and MW-12 since July 2022. On August 16, 2023, the ORC filter socks were removed from MW-1R and MW-2R and new socks were installed in MW-3R and MW-5R.

4. Summary and Recommendations

4.1 Summary

The following summarizes the information and data presented in this report:

- Benzene concentrations were above the NMWQCC Groundwater Remediation and Delineation Limit for monitoring wells MW-2R, MW-4R, MW-5R, MW-11, and MW-12 in 2023.
- Toluene, ethylbenzene, and xylene concentrations were below the NMWQCC Groundwater Remediation and Delineation Limits for all samples, except for one xylene exceedance in MW-11 in the first quarterly event.
- LNAPL was not detected in any monitoring well during any groundwater monitoring event in 2023.
- Monitoring wells MW-6, MW-8, and MW-10 were found to be dry throughout 2023.
- ORC filter socks were deployed as BTEX remediation methods throughout 2023.
- The groundwater flow direction was to the southeast during the quarterly events. The average gradient of the potentiometric surface was 0.010 ft./ft.
- The potentiometric surface indicates groundwater elevations have declined an average of 2.76 ft. between November 2022 and November 2023. Fluctuations in the elevation of the potentiometric surface are attributed to seasonal weather conditions and operation of the Goff Dairy irrigation system, located adjacent and to the southwest of the Site.
- The Goff Dairy Well and the Goff Dairy Center Pivot Irrigation System were operating and sampled during the April and July 2023 quarterly monitoring events. Analytical results indicated that both the well and the irrigation system exhibited BTEX concentrations below the NMWQCC Groundwater Remediation and Delineation Limits.
- Monitoring wells MW-6R, MW-13, and MW-16 were installed, while monitoring wells MW-6, MW-8, and MW-10 were P&A.

4.2 Recommendations

Based on the results of the 2023 groundwater monitoring events, GHD recommends the following in 2024:

- Continue quarterly groundwater gauging and sampling from monitoring wells, the Goff Dairy Well, and the Goff Dairy Center Pivot Irrigation System, if they are in operation during scheduled monitoring events.
- Continue sampling of groundwater for analysis of BTEX by EPA Method SW846-8021B from the off-Site JW House Well if open access to the property is available.
- Discontinue weekly BTEX abatement in monitoring wells MW-1R, MW-2R, MW-4R, MW-5R, and MW-12.
- Evaluate subsurface reduction-oxidation potential conditions to evaluate alternative remedial options.
- Discontinue the use of ORC filter socks in monitoring wells MW-3R, MW-4R, MW-5R, and MW-12.

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1R	2/20/20	3806.62	94.04	--	--	3712.58	108.36
MW-1R	3/26/20	3806.62	93.90	--	--	3712.72	108.37
MW-1R	4/2/20	3806.62	94.59	--	--	3712.03	--
MW-1R	4/10/20	3806.62	95.02	--	--	3711.60	--
MW-1R	4/17/20	3806.62	95.33	--	--	3711.29	--
MW-1R	4/20/20	3806.62	95.48	--	--	3711.14	--
MW-1R	4/30/20	3806.62	95.87	--	--	3710.75	--
MW-1R	5/6/20	3806.62	96.12	--	--	3710.50	--
MW-1R	5/12/20	3806.62	96.31	--	--	3710.31	--
MW-1R	5/20/20	3806.62	96.57	--	--	3710.05	--
MW-1R	6/3/20	3806.62	96.04	--	--	3710.58	--
MW-1R	6/10/20	3806.62	95.84	--	--	3710.78	--
MW-1R	6/17/20	3806.62	95.75	--	--	3710.87	--
MW-1R	6/25/20	3806.62	95.82	--	--	3710.80	--
MW-1R	7/1/20	3806.62	96.33	--	--	3710.29	--
MW-1R	7/8/20	3806.62	96.58	--	--	3710.04	--
MW-1R	7/15/20	3806.62	96.84	--	--	3709.78	--
MW-1R	7/22/20	3806.62	97.02	--	--	3709.60	--
MW-1R	7/28/20	3806.62	97.17	--	--	3709.45	--
MW-1R	8/5/20	3806.62	97.27	--	--	3709.35	--
MW-1R	8/11/20	3806.62	97.42	--	--	3709.20	--
MW-1R	8/20/20	3806.62	97.55	--	--	3709.07	--
MW-1R	8/26/20	3806.62	97.69	--	--	3708.93	--
MW-1R	9/2/20	3806.62	97.95	--	--	3708.67	108.36
MW-1R	9/8/20	3806.62	97.94	--	--	3708.68	--
MW-1R	9/24/20	3806.62	98.26	--	--	3708.36	--
MW-1R	9/30/20	3806.62	98.40	--	--	3708.22	--
MW-1R	10/14/20	3806.62	97.73	--	--	3708.89	--
MW-1R	10/21/20	3806.62	97.48	--	--	3709.14	--
MW-1R	10/26/20	3806.62	97.30	--	--	3709.32	--
MW-1R	11/5/20	3806.62	97.16	--	--	3709.46	108.36
MW-1R	11/17/20	3806.62	96.94	--	--	3709.68	--
MW-1R	11/24/20	3806.62	97.39	--	--	3709.23	--
MW-1R	12/1/20	3806.62	97.79	--	--	3708.83	--
MW-1R	12/8/20	3806.62	97.55	--	--	3709.07	--
MW-1R	12/16/20	3806.62	97.52	--	--	3709.10	--
MW-1R	12/23/20	3806.62	97.29	--	--	3709.33	--
MW-1R	1/6/21	3806.62	96.96	--	--	3709.66	--
MW-1R	1/13/21	3806.62	97.07	--	--	3709.55	--
MW-1R	1/21/21	3806.62	96.81	--	--	3709.81	--
MW-1R	1/27/21	3806.62	96.77	--	--	3709.85	--
MW-1R	2/2/21	3806.62	96.62	--	--	3710.00	108.91
MW-1R	2/24/21	3806.62	96.67	--	--	3709.95	--
MW-1R	3/9/21	3806.62	97.08	--	--	3709.54	--
MW-1R	3/17/21	3806.62	97.58	--	--	3709.04	--
MW-1R	3/18/21	3806.62	97.93	--	--	3708.69	--
MW-1R	3/26/21	3806.62	97.94	--	--	3708.68	--
MW-1R	3/31/21	3806.62	98.13	--	--	3708.49	--
MW-1R	4/7/21	3806.62	97.93	--	--	3708.69	--
MW-1R	4/12/21	3806.62	98.25	--	--	3708.37	--
MW-1R	4/21/21	3806.62	98.48	--	--	3708.14	--
MW-1R	4/27/21	3806.62	98.62	--	--	3708.00	--
MW-1R	5/4/21	3806.62	98.46	--	--	3708.16	--
MW-1R	5/14/21	3806.62	97.94	--	--	3708.68	--
MW-1R	5/26/21	3806.62	97.58	--	--	3709.04	--
MW-1R	6/11/21	3806.62	97.49	--	--	3709.13	--
MW-1R	6/17/21	3806.62	98.23	--	--	3708.39	--
MW-1R	6/22/21	3806.62	98.22	--	--	3708.40	--
MW-1R	6/28/21	3806.62	98.40	--	--	3708.22	--
MW-1R	7/7/21	3806.62	97.98	--	--	3708.64	--
MW-1R	7/15/21	3806.62	97.68	--	--	3708.94	--
MW-1R	7/27/21	3806.62	97.86	--	--	3708.76	--
MW-1R	8/3/21	3806.62	98.33	--	--	3708.29	108.91

Table 1a

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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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1R	8/11/21	3806.62	98.55	--	--	3708.07	--
MW-1R	8/19/21	3806.62	98.80	--	--	3707.82	--
MW-1R	8/26/21	3806.62	98.98	--	--	3707.64	--
MW-1R	8/31/21	3806.62	--	--	--	--	--
MW-1R	9/8/21	3806.62	99.20	--	--	3707.42	--
MW-1R	9/15/21	3806.62	99.41	--	--	3707.21	--
MW-1R	9/23/21	3806.62	99.22	--	--	3707.40	--
MW-1R	9/30/21	3806.62	98.83	--	--	3707.79	108.91
MW-1R	10/5/21	3806.62	98.73	--	--	3707.89	--
MW-1R	10/12/21	3806.62	98.38	--	--	3708.24	--
MW-1R	10/19/21	3806.62	98.63	--	--	3707.99	--
MW-1R	10/28/21	3806.62	98.39	--	--	3708.23	108.91
MW-1R	11/1/21	3806.62	98.61	--	--	3708.01	108.91
MW-1R	11/9/21	3806.62	98.82	--	--	3707.80	108.91
MW-1R	11/23/21	3806.62	99.08	--	--	3707.54	108.91
MW-1R	12/7/21	3806.62	99.02	--	--	3707.60	108.91
MW-1R	12/16/21	3806.62	--	--	--	--	108.91
MW-1R	1/5/22	3806.62	98.11	--	--	3708.51	108.91
MW-1R	1/12/22	3806.62	98.47	--	--	3708.15	108.91
MW-1R	1/18/22	3806.62	98.64	--	--	3707.98	108.91
MW-1R	2/7/22	3806.62	97.95	--	--	3708.67	108.26
MW-1R	2/15/22	3806.62	97.79	--	--	3708.83	108.26
MW-1R	2/21/21	3806.62	97.81	--	--	3708.81	108.26
MW-1R	2/21/22	3806.62	97.81	--	--	3708.81	108.26
MW-1R	3/3/22	3806.62	97.99	--	--	3708.63	108.26
MW-1R	3/8/22	3806.62	98.43	--	--	3708.19	108.26
MW-1R	3/15/22	3806.62	98.55	--	--	3708.07	108.26
MW-1R	3/21/22	3806.62	98.86	--	--	3707.76	108.26
MW-1R	4/1/22	3806.62	99.18	--	--	3707.44	108.26
MW-1R	4/6/22	3806.62	99.28	--	--	3707.34	108.26
MW-1R	4/11/22	3806.62	99.58	--	--	3707.04	108.26
MW-1R	4/19/22	3806.62	99.60	--	--	3707.02	108.26
MW-1R	4/29/22	3806.62	99.88	--	--	3706.74	108.26
MW-1R	5/3/22	3806.62	99.98	--	--	3706.64	108.26
MW-1R	5/10/22	3806.62	100.11	--	--	3706.51	108.26
MW-1R	5/17/22	3806.62	100.05	--	--	3706.57	108.26
MW-1R	6/1/22	3806.62	99.32	--	--	3707.30	108.26
MW-1R	6/10/22	3806.62	99.26	--	--	3707.36	108.26
MW-1R	6/15/22	3806.62	99.67	--	--	3706.95	108.26
MW-1R	6/22/22	3806.62	100.02	--	--	3706.60	108.26
MW-1R	6/28/22	3806.62	100.22	--	--	3706.40	108.26
MW-1R	7/6/22	3806.62	100.39	--	--	3706.23	108.26
MW-1R	7/13/22	3806.62	100.47	--	--	3706.15	108.26
MW-1R	7/21/22	3806.62	100.69	--	--	3705.93	108.26
MW-1R	7/28/22	3806.62	100.86	--	--	3705.76	108.26
MW-1R	8/1/22	3806.62	100.89	--	--	3705.73	108.26
MW-1R	8/9/22	3806.62	101.05	--	--	3705.57	108.26
MW-1R	8/15/22	3806.62	101.20	--	--	3705.42	108.26
MW-1R	8/31/22	3806.62	101.21	--	--	3705.41	108.26
MW-1R	9/8/22	3806.62	100.92	--	--	3705.70	108.26
MW-1R	9/29/22	3806.62	100.41	--	--	3706.21	108.26
MW-1R	10/6/22	3806.62	100.24	--	--	3706.38	108.26
MW-1R	11/9/22	3806.62	100.09	--	--	3706.53	108.26
MW-1R	11/21/22	3806.62	100.10	--	--	3706.52	108.26
MW-1R	12/7/22	3806.62	--	--	--	--	108.26
MW-1R	12/21/22	3806.62	100.10	--	--	3706.52	108.26
MW-1R	1/10/23	3806.62	100.06	--	--	3706.56	108.26
MW-1R	1/18/23	3806.62	100.08	--	--	3706.54	108.26
MW-1R	1/25/23	3806.62	100.41	--	--	3706.21	108.26
MW-1R	2/16/23	3806.62	99.75	--	--	3706.87	108.29
MW-1R	2/23/23	3806.62	99.57	--	--	3707.05	108.29
MW-1R	2/28/23	3806.62	99.67	--	--	3706.95	108.29
MW-1R	3/9/23	3806.62	100.22	--	--	3706.40	108.29

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1R	3/16/23	3806.62	100.56	--	--	3706.06	108.29
MW-1R	4/6/23	3806.62	100.65	--	--	3705.97	108.29
MW-1R	4/13/23	3806.62	100.98	--	--	3705.64	108.29
MW-1R	4/18/23	3806.62	101.01	--	--	3705.61	108.29
MW-1R	4/26/23	3806.62	101.29	--	--	3705.33	108.29
MW-1R	5/12/23	3806.62	101.74	--	--	3704.88	108.29
MW-1R	5/17/23	3806.62	101.99	--	--	3704.63	108.29
MW-1R	5/25/23	3806.62	--	--	--	--	108.29
MW-1R	6/1/23	3806.62	101.04	--	--	3705.58	108.29
MW-1R	6/7/23	3806.62	100.67	--	--	3705.95	--
MW-1R	6/21/23	3806.62	101.03	--	--	3705.59	108.29
MW-1R	6/27/23	3806.62	101.02	--	--	3705.60	108.29
MW-1R	7/7/23	3806.62	101.03	--	--	3705.59	108.29
MW-1R	7/12/23	3806.62	101.73	--	--	3704.89	108.29
MW-1R	7/20/23	3806.62	101.88	--	--	3704.74	108.29
MW-1R	7/25/23	3806.62	101.60	--	--	3705.02	108.29
MW-1R	7/28/23	3806.62	102.07	--	--	3704.55	--
MW-1R	8/3/23	3806.62	101.03	--	--	3705.59	--
MW-1R	8/30/23	--	--	--	--	--	108.29
MW-1R	10/31/23	3806.62	103.36	--	--	3703.26	--
MW-2R	2/20/20	3806.38	94.05	--	--	3712.33	109.79
MW-2R	3/26/20	3806.38	94.02	--	--	3712.36	109.86
MW-2R	4/2/20	3806.38	94.95	--	--	3711.43	--
MW-2R	4/10/20	3806.38	95.55	--	--	3710.83	--
MW-2R	4/17/20	3806.38	96.09	--	--	3710.29	--
MW-2R	4/20/20	3806.38	96.20	--	--	3710.18	--
MW-2R	4/30/20	3806.38	96.68	--	--	3709.70	--
MW-2R	5/6/20	3806.38	97.06	--	--	3709.32	--
MW-2R	5/12/20	3806.38	97.21	--	--	3709.17	--
MW-2R	5/20/20	3806.38	97.47	--	--	3708.91	--
MW-2R	6/3/20	3806.38	96.40	--	--	3709.98	--
MW-2R	6/10/20	3806.38	96.30	--	--	3710.08	--
MW-2R	6/17/20	3806.38	96.08	--	--	3710.30	--
MW-2R	6/25/20	3806.38	96.25	--	--	3710.13	--
MW-2R	7/1/20	3806.38	96.87	--	--	3709.51	--
MW-2R	7/8/20	3806.38	97.29	--	--	3709.09	--
MW-2R	7/15/20	3806.38	97.67	--	--	3708.71	--
MW-2R	7/22/20	3806.38	97.93	--	--	3708.45	--
MW-2R	7/28/20	3806.38	98.10	--	--	3708.28	--
MW-2R	8/5/20	3806.38	98.02	--	--	3708.36	--
MW-2R	8/11/20	3806.38	97.89	--	--	3708.49	--
MW-2R	8/20/20	3806.38	98.48	--	--	3707.90	--
MW-2R	8/26/20	3806.38	98.65	--	--	3707.73	--
MW-2R	9/2/20	3806.38	98.83	--	--	3707.55	109.79
MW-2R	9/8/20	3806.38	98.94	--	--	3707.44	--
MW-2R	9/24/20	3806.38	99.28	--	--	3707.10	--
MW-2R	9/30/20	3806.38	99.45	--	--	3706.93	--
MW-2R	10/14/20	3806.38	98.26	--	--	3708.12	--
MW-2R	10/21/20	3806.38	92.86	--	--	3713.52	--
MW-2R	10/26/20	3806.38	97.60	--	--	3708.78	--
MW-2R	11/5/20	3806.38	97.42	--	--	3708.96	109.79
MW-2R	11/17/20	3806.38	97.20	--	--	3709.18	--
MW-2R	11/24/20	3806.38	97.96	--	--	3708.42	--
MW-2R	12/1/20	3806.38	98.43	--	--	3707.95	--
MW-2R	12/8/20	3806.38	98.02	--	--	3708.36	--
MW-2R	12/16/20	3806.38	97.94	--	--	3708.44	--
MW-2R	12/23/20	3806.38	97.59	--	--	3708.79	--
MW-2R	1/6/21	3806.38	97.22	--	--	3709.16	--
MW-2R	1/13/21	3806.38	97.39	--	--	3708.99	--
MW-2R	1/21/21	3806.38	97.02	--	--	3709.36	--
MW-2R	1/27/21	3806.38	96.90	--	--	3709.48	--
MW-2R	2/2/21	3806.38	96.73	--	--	3709.65	109.88
MW-2R	2/24/21	3806.38	96.99	--	--	3709.39	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2R	3/9/21	3806.38	97.42	--	--	3708.96	--
MW-2R	3/17/21	3806.38	97.58	--	--	3708.80	109.37
MW-2R	3/18/21	3806.38	98.30	--	--	3708.08	--
MW-2R	3/26/21	3806.38	98.74	--	--	3707.64	--
MW-2R	3/31/21	3806.38	99.01	--	--	3707.37	--
MW-2R	4/7/21	3806.38	98.47	--	--	3707.91	--
MW-2R	4/12/21	3806.38	98.97	--	--	3707.41	--
MW-2R	4/21/21	3806.38	99.36	--	--	3707.02	--
MW-2R	4/27/21	3806.38	99.55	--	--	3706.83	--
MW-2R	5/4/21	3806.38	98.95	--	--	3707.43	--
MW-2R	5/17/21	3806.38	98.40	--	--	3707.98	--
MW-2R	5/26/21	3806.38	97.91	--	--	3708.47	--
MW-2R	6/11/21	3806.38	97.89	--	--	3708.49	--
MW-2R	6/17/21	3806.38	98.46	--	--	3707.92	--
MW-2R	6/22/21	3806.38	99.09	--	--	3707.29	--
MW-2R	6/28/21	3806.38	99.15	--	--	3707.23	--
MW-2R	7/7/21	3806.38	98.52	--	--	3707.86	--
MW-2R	7/15/21	3806.38	98.05	--	--	3708.33	--
MW-2R	7/27/21	3806.38	98.24	--	--	3708.14	--
MW-2R	8/3/21	3806.38	99.05	--	--	3707.33	109.88
MW-2R	8/11/21	3806.38	99.40	--	--	3706.98	--
MW-2R	8/19/21	3806.38	99.71	--	--	3706.67	--
MW-2R	8/26/21	3806.38	100.00	--	--	3706.38	--
MW-2R	8/31/21	3806.38	--	--	--	--	--
MW-2R	9/8/21	3806.38	100.11	--	--	3706.27	--
MW-2R	9/15/21	3806.38	100.67	--	--	3705.71	--
MW-2R	9/23/21	3806.38	99.92	--	--	3706.46	--
MW-2R	9/30/21	3806.38	99.33	--	--	3707.05	109.88
MW-2R	10/5/21	3806.38	99.21	--	--	3707.17	--
MW-2R	10/12/21	3806.38	99.65	--	--	3706.73	--
MW-2R	10/19/21	3806.38	99.97	--	--	3706.41	--
MW-2R	10/28/21	3806.38	98.95	--	--	3707.43	109.88
MW-2R	11/1/21	3806.38	99.15	--	--	3707.23	109.88
MW-2R	11/9/21	3806.38	99.31	--	--	3707.07	109.88
MW-2R	11/23/21	3806.38	99.53	--	--	3706.85	109.88
MW-2R	12/7/21	3806.38	99.80	--	--	3706.58	109.88
MW-2R	12/16/21	3806.38	--	--	--	--	109.88
MW-2R	1/5/22	3806.38	98.38	--	--	3708.00	109.88
MW-2R	1/12/22	3806.38	--	--	--	--	109.88
MW-2R	1/18/22	3806.38	99.25	--	--	3707.13	109.88
MW-2R	2/7/22	3806.38	98.06	--	--	3708.32	108.99
MW-2R	2/15/22	3806.38	98.01	--	--	3708.37	108.99
MW-2R	2/21/22	3806.38	98.06	--	--	3708.32	108.99
MW-2R	3/3/22	3806.38	98.54	--	--	3707.84	108.99
MW-2R	3/8/22	3806.38	98.85	--	--	3707.53	108.99
MW-2R	3/15/22	3806.38	99.04	--	--	3707.34	108.99
MW-2R	3/21/22	3806.38	99.46	--	--	3706.92	108.99
MW-2R	4/1/22	3806.38	99.84	--	--	3706.54	108.99
MW-2R	4/6/22	3806.38	100.01	--	--	3706.37	108.99
MW-2R	4/11/22	3806.38	100.63	--	--	3705.75	108.99
MW-2R	4/19/22	3806.38	100.66	--	--	3705.72	108.99
MW-2R	4/29/22	3806.38	101.00	--	--	3705.38	108.99
MW-2R	5/3/22	3806.38	101.16	--	--	3705.22	108.99
MW-2R	5/10/22	3806.38	101.41	--	--	3704.97	108.99
MW-2R	5/17/22	3806.38	101.01	--	--	3705.37	108.99
MW-2R	6/1/22	3806.38	99.89	--	--	3706.49	108.99
MW-2R	6/10/22	3806.38	99.56	--	--	3706.82	108.99
MW-2R	6/15/22	3806.38	100.30	--	--	3706.08	108.99
MW-2R	6/22/22	3806.38	100.81	--	--	3705.57	108.99
MW-2R	6/28/22	3806.38	101.24	--	--	3705.14	108.99
MW-2R	7/6/22	3806.38	101.39	--	--	3704.99	108.99
MW-2R	7/13/22	3806.38	101.53	--	--	3704.85	108.99
MW-2R	7/21/22	3806.38	101.67	--	--	3704.71	108.99

Table 1a

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Plains All American Pipeline, L.P.
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SRS 2006-142
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NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2R	7/28/22	3806.38	101.87	--	--	3704.51	108.99
MW-2R	8/1/22	3806.38	101.97	--	--	3704.41	108.99
MW-2R	8/9/22	3806.38	102.10	--	--	3704.28	108.99
MW-2R	8/15/22	3806.38	102.56	--	--	3703.82	108.99
MW-2R	8/31/22	3806.38	102.47	--	--	3703.91	108.99
MW-2R	9/8/22	3806.38	101.71	--	--	3704.67	108.99
MW-2R	9/29/22	3806.38	101.69	--	--	3704.69	108.99
MW-2R	10/6/22	3806.38	100.56	--	--	3705.82	108.99
MW-2R	11/9/22	3806.38	100.65	--	--	3705.73	108.99
MW-2R	11/16/22	3806.38	100.84	--	--	3705.54	108.99
MW-2R	11/21/22	3806.38	100.42	--	--	3705.96	108.99
MW-2R	12/7/22	3806.38	--	--	--	--	108.99
MW-2R	12/21/22	3806.38	100.54	--	--	3705.84	108.99
MW-2R	1/10/23	3806.38	100.54	--	--	3705.84	108.99
MW-2R	1/18/23	3806.38	100.58	--	--	3705.80	108.99
MW-2R	1/25/23	3806.38	101.25	--	--	3705.13	108.99
MW-2R	2/16/23	3806.38	100.41	--	--	3705.97	109.14
MW-2R	2/23/23	3806.38	99.73	--	--	3706.65	109.14
MW-2R	2/28/23	3806.38	99.89	--	--	3706.49	109.14
MW-2R	3/9/23	3806.38	100.94	--	--	3705.44	109.14
MW-2R	3/16/23	3806.38	101.30	--	--	3705.08	109.14
MW-2R	4/6/23	3806.38	101.11	--	--	3705.27	109.14
MW-2R	4/13/23	3806.38	101.89	--	--	3704.49	109.14
MW-2R	4/18/23	3806.38	101.79	--	--	3704.59	109.14
MW-2R	4/26/23	3806.38	102.01	--	--	3704.37	109.14
MW-2R	5/4/23	3806.38	102.48	--	--	3703.90	109.14
MW-2R	5/12/23	3806.38	102.50	--	--	3703.88	109.14
MW-2R	5/17/23	3806.38	102.97	--	--	3703.41	109.14
MW-2R	5/25/23	3806.38	--	--	--	--	109.14
MW-2R	6/1/23	3806.38	101.78	--	--	3704.60	109.14
MW-2R	6/7/23	3806.38	101.04	--	--	3705.34	--
MW-2R	6/21/23	3806.38	101.92	--	--	3704.46	109.14
MW-2R	6/27/23	3806.38	101.41	--	--	3704.97	109.14
MW-2R	7/7/23	3806.38	102.30	--	--	3704.08	109.14
MW-2R	7/12/23	3806.38	102.40	--	--	3703.98	109.14
MW-2R	7/20/23	3806.38	103.04	--	--	3703.34	109.14
MW-2R	7/25/23	3806.38	103.02	--	--	3703.36	109.14
MW-2R	7/28/23	3806.38	103.03	--	--	3703.35	--
MW-2R	8/3/23	3806.38	103.57	--	--	3702.81	--
MW-2R	8/30/23	3806.38	--	--	--	--	109.14
MW-2R	10/31/23	3806.38	103.94	--	--	3702.44	--
MW-3R	2/20/20	3806.15	93.73	--	--	3712.42	110.05
MW-3R	3/26/20	3806.15	93.70	--	--	3712.45	109.91
MW-3R	4/2/20	3806.15	94.58	--	--	3711.57	--
MW-3R	4/10/20	3806.15	95.15	--	--	3711.00	--
MW-3R	4/17/20	3806.15	95.58	--	--	3710.57	--
MW-3R	4/20/20	3806.15	95.75	--	--	3710.40	--
MW-3R	4/30/20	3806.15	96.20	--	--	3709.95	--
MW-3R	5/6/20	3806.15	97.48	--	--	3708.67	--
MW-3R	5/12/20	3806.15	96.70	--	--	3709.45	--
MW-3R	5/20/20	3806.15	96.95	--	--	3709.20	--
MW-3R	6/3/20	3806.15	95.95	--	--	3710.20	--
MW-3R	6/10/20	3806.15	95.67	--	--	3710.48	--
MW-3R	6/17/20	3806.15	95.68	--	--	3710.47	--
MW-3R	6/25/20	3806.15	95.84	--	--	3710.31	--
MW-3R	7/1/20	3806.15	96.43	--	--	3709.72	--
MW-3R	7/8/20	3806.15	96.82	--	--	3709.33	--
MW-3R	7/15/20	3806.15	97.16	--	--	3708.99	--
MW-3R	7/22/20	3806.15	97.41	--	--	3708.74	--
MW-3R	7/28/20	3806.15	97.55	--	--	3708.60	--
MW-3R	8/5/20	3806.15	97.51	--	--	3708.64	--
MW-3R	8/11/20	3806.15	97.79	--	--	3708.36	--
MW-3R	8/20/20	3806.15	97.96	--	--	3708.19	--

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Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
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NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-3R	8/26/20	3806.15	98.09	--	--	3708.06	--
MW-3R	9/2/20	3806.15	98.26	--	--	3707.89	110.05
MW-3R	9/8/20	3806.15	98.36	--	--	3707.79	--
MW-3R	9/24/20	3806.15	98.69	--	--	3707.46	--
MW-3R	9/30/20	3806.15	98.88	--	--	3707.27	--
MW-3R	10/14/20	3806.15	97.77	--	--	3708.38	--
MW-3R	10/21/20	3806.15	97.38	--	--	3708.77	--
MW-3R	10/26/20	3806.15	97.17	--	--	3708.98	--
MW-3R	11/5/20	3806.15	96.98	--	--	3709.17	110.05
MW-3R	11/17/20	3806.15	96.79	--	--	3709.36	--
MW-3R	11/24/20	3806.15	97.53	--	--	3708.62	--
MW-3R	12/1/20	3806.15	98.01	--	--	3708.14	--
MW-3R	12/8/20	3806.15	97.55	--	--	3708.60	--
MW-3R	12/16/20	3806.15	97.48	--	--	3708.67	--
MW-3R	12/23/20	3806.15	97.17	--	--	3708.98	--
MW-3R	1/6/21	3806.15	96.83	--	--	3709.32	--
MW-3R	1/13/21	3806.15	96.94	--	--	3709.21	--
MW-3R	1/21/21	3806.15	96.60	--	--	3709.55	--
MW-3R	1/27/21	3806.15	96.52	--	--	3709.63	--
MW-3R	2/2/21	3806.15	96.35	--	--	3709.80	109.89
MW-3R	3/9/21	3806.15	97.04	--	--	3709.11	--
MW-3R	3/17/21	3806.15	97.73	--	--	3708.42	--
MW-3R	3/18/21	3806.15	97.78	--	--	3708.37	--
MW-3R	3/26/21	3806.15	98.23	--	--	3707.92	--
MW-3R	3/31/21	3806.15	98.49	--	--	3707.66	--
MW-3R	4/7/21	3806.15	97.99	--	--	3708.16	--
MW-3R	4/12/21	3806.15	98.48	--	--	3707.67	--
MW-3R	4/21/21	3806.15	98.83	--	--	3707.32	--
MW-3R	4/27/21	3806.15	99.00	--	--	3707.15	--
MW-3R	5/4/21	3806.15	98.45	--	--	3707.70	--
MW-3R	5/14/21	3806.15	97.87	--	--	3708.28	--
MW-3R	5/26/21	3806.15	97.36	--	--	3708.79	--
MW-3R	6/11/21	3806.15	97.32	--	--	3708.83	--
MW-3R	6/17/21	3806.15	98.02	--	--	3708.13	--
MW-3R	6/22/21	3806.15	98.37	--	--	3707.78	--
MW-3R	6/28/21	3806.15	98.52	--	--	3707.63	--
MW-3R	7/7/21	3806.15	97.84	--	--	3708.31	--
MW-3R	7/15/21	3806.15	97.47	--	--	3708.68	--
MW-3R	7/27/21	3806.15	97.79	--	--	3708.36	--
MW-3R	8/3/21	3806.15	98.43	--	--	3707.72	109.86
MW-3R	8/11/21	3806.15	98.70	--	--	3707.45	--
MW-3R	8/19/21	3806.15	99.02	--	--	3707.13	--
MW-3R	8/26/21	3806.15	99.32	--	--	3706.83	--
MW-3R	8/31/21	3806.15	--	--	--	--	--
MW-3R	9/8/21	3806.15	99.55	--	--	3706.60	--
MW-3R	9/15/21	3806.15	99.79	--	--	3706.36	--
MW-3R	9/23/21	3806.15	99.35	--	--	3706.80	--
MW-3R	9/30/21	3806.15	98.83	--	--	3707.32	109.89
MW-3R	10/5/21	3806.15	98.49	--	--	3707.66	--
MW-3R	10/12/21	3806.15	98.19	--	--	3707.96	--
MW-3R	10/19/21	3806.15	98.33	--	--	3707.82	--
MW-3R	10/28/21	3806.15	98.31	--	--	3707.84	--
MW-3R	11/1/21	3806.15	98.72	--	--	3707.43	109.89
MW-3R	11/9/21	3806.15	98.79	--	--	3707.36	109.89
MW-3R	11/23/21	3806.15	99.15	--	--	3707.00	109.89
MW-3R	12/7/21	3806.15	98.93	--	--	3707.22	109.89
MW-3R	12/16/21	3806.15	--	--	--	--	109.89
MW-3R	1/5/22	3806.15	97.86	--	--	3708.29	109.89
MW-3R	1/12/22	3806.15	99.03	--	--	3707.12	109.89
MW-3R	1/18/22	3806.15	98.55	--	--	3707.60	109.89
MW-3R	2/7/22	3806.15	97.72	--	--	3708.43	109.12
MW-3R	2/15/22	3806.15	97.49	--	--	3708.66	109.12
MW-3R	2/21/22	3806.15	97.71	--	--	3708.44	109.12

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-3R	3/15/22	3806.15	98.62	--	--	3707.53	109.12
MW-3R	4/11/22	3806.15	99.83	--	--	3706.32	109.12
MW-3R	5/10/22	3806.15	100.54	--	--	3705.61	109.12
MW-3R	6/15/22	3806.15	99.84	--	--	3706.31	109.12
MW-3R	7/28/22	3806.15	101.27	--	--	3704.88	109.12
MW-3R	8/9/22	3806.15	101.51	--	--	3704.64	109.12
MW-3R	11/21/22	3806.15	99.99	--	--	3706.16	109.12
MW-3R	12/7/22	3806.15	--	--	--	--	109.12
MW-3R	1/10/23	3806.15	100.12	--	--	3706.03	109.12
MW-3R	1/18/23	3806.15	100.19	--	--	3705.96	109.12
MW-3R	1/25/23	3806.15	100.32	--	--	3705.83	109.12
MW-3R	2/16/23	3806.15	99.60	--	--	3706.55	109.14
MW-3R	2/23/23	3806.15	99.33	--	--	3706.82	109.14
MW-3R	2/28/23	3806.15	99.49	--	--	3706.66	109.14
MW-3R	3/9/23	3806.15	100.26	--	--	3705.89	109.14
MW-3R	3/16/23	3806.15	100.64	--	--	3705.51	109.14
MW-3R	4/6/23	3806.15	100.69	--	--	3705.46	109.14
MW-3R	4/13/23	3806.15	101.11	--	--	3705.04	109.14
MW-3R	4/18/23	3806.15	101.04	--	--	3705.11	109.14
MW-3R	4/26/23	3806.15	101.48	--	--	3704.67	109.14
MW-3R	5/4/23	3806.15	101.91	--	--	3704.24	109.14
MW-3R	5/12/23	3806.15	102.16	--	--	3703.99	109.14
MW-3R	5/17/23	3806.15	102.33	--	--	3703.82	109.14
MW-3R	5/25/23	3806.15	--	--	--	--	109.14
MW-3R	6/1/23	3806.15	101.01	--	--	3705.14	109.14
MW-3R	6/7/23	3806.15	100.51	--	--	3705.64	--
MW-3R	6/21/23	3806.15	101.11	--	--	3705.04	109.14
MW-3R	6/27/23	3806.15	101.24	--	--	3704.91	109.14
MW-3R	7/7/23	3806.15	101.79	--	--	3704.36	109.14
MW-3R	7/12/23	3806.15	101.90	--	--	3704.25	109.14
MW-3R	7/20/23	3806.15	102.25	--	--	3703.90	109.14
MW-3R	7/25/23	3806.15	102.43	--	--	3703.72	109.14
MW-3R	7/28/23	3806.15	102.44	--	--	3703.71	--
MW-3R	8/3/23	3806.15	102.70	--	--	3703.45	--
MW-3R	8/16/23	3806.15	103.08	--	--	3703.07	--
MW-3R	8/30/23	3806.15	103.10	--	--	3703.05	--
MW-3R	9/21/23	3806.15	103.52	--	--	3702.63	--
MW-3R	9/29/23	3806.15	103.16	--	--	3702.99	--
MW-3R	10/13/23	3806.15	103.26	--	--	3702.89	--
MW-3R	10/18/23	3806.15	103.23	--	--	3702.92	--
MW-3R	10/31/23	3806.15	104.54	--	--	3701.61	--
MW-3R	11/17/23	3806.15	102.73	--	--	3703.42	--
MW-3R	11/21/23	3806.15	102.70	--	--	3703.45	--
MW-4R	2/20/20	3806.67	94.22	--	--	3712.45	110.00
MW-4R	3/26/20	3806.67	94.10	--	--	3712.57	110.03
MW-4R	4/2/20	3806.67	94.84	--	--	3711.83	--
MW-4R	4/10/20	3806.67	95.31	--	--	3711.36	--
MW-4R	4/17/20	3806.67	95.67	--	--	3711.00	--
MW-4R	4/20/20	3806.67	95.84	--	--	3710.83	--
MW-4R	4/30/20	3806.67	96.27	--	--	3710.40	--
MW-4R	5/6/20	3806.67	96.54	--	--	3710.13	--
MW-4R	5/20/20	3806.67	97.03	--	--	3709.64	--
MW-4R	6/3/20	3806.67	96.38	--	--	3710.29	--
MW-4R	6/10/20	3806.67	96.13	--	--	3710.54	--
MW-4R	6/17/20	3806.67	96.06	--	--	3710.61	--
MW-4R	6/25/20	3806.67	96.14	--	--	3710.53	--
MW-4R	7/1/20	3806.67	96.67	--	--	3710.00	--
MW-4R	7/8/20	3806.67	96.97	--	--	3709.70	--
MW-4R	7/15/20	3806.67	96.97	--	--	3709.70	--
MW-4R	7/22/20	3806.67	97.49	--	--	3709.18	--
MW-4R	7/28/20	3806.67	97.65	--	--	3709.02	--
MW-4R	8/5/20	3806.67	97.73	--	--	3708.94	--
MW-4R	8/11/20	3806.67	98.31	--	--	3708.36	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	8/20/20	3806.67	98.06	--	--	3708.61	--
MW-4R	8/26/20	3806.67	98.20	--	--	3708.47	--
MW-4R	9/2/20	3806.67	98.38	--	--	3708.29	110.00
MW-4R	9/8/20	3806.67	98.47	--	--	3708.20	--
MW-4R	9/24/20	3806.67	98.81	--	--	3707.86	--
MW-4R	9/30/20	3806.67	98.95	--	--	3707.72	--
MW-4R	10/14/20	3806.67	98.18	--	--	3708.49	--
MW-4R	10/21/20	3806.67	97.81	--	--	3708.86	--
MW-4R	10/26/20	3806.67	97.69	--	--	3708.98	--
MW-4R	11/5/20	3806.67	97.48	--	--	3709.19	110.00
MW-4R	11/17/20	3806.67	97.27	--	--	3709.40	--
MW-4R	11/24/20	3806.67	97.78	--	--	3708.89	--
MW-4R	12/1/20	3806.67	98.20	--	--	3708.47	--
MW-4R	12/8/20	3806.67	97.93	--	--	3708.74	--
MW-4R	12/16/20	3806.67	97.87	--	--	3708.80	--
MW-4R	12/23/20	3806.67	97.62	--	--	3709.05	--
MW-4R	1/6/21	3806.67	97.23	--	--	3709.44	--
MW-4R	1/13/21	3806.67	97.37	--	--	3709.30	--
MW-4R	1/21/21	3806.67	97.02	--	--	3709.65	--
MW-4R	1/27/21	3806.67	97.03	--	--	3709.64	--
MW-4R	2/2/21	3806.67	96.88	--	--	3709.79	109.78
MW-4R	2/24/21	3806.67	96.97	--	--	3709.70	--
MW-4R	3/9/21	3806.67	97.36	--	--	3709.31	--
MW-4R	3/17/21	3806.67	98.35	--	--	3708.32	--
MW-4R	3/18/21	3806.67	98.02	--	--	3708.65	--
MW-4R	3/26/21	3806.67	98.35	--	--	3708.32	--
MW-4R	3/31/21	3806.67	98.56	--	--	3708.11	--
MW-4R	4/7/21	3806.67	98.31	--	--	3708.36	--
MW-4R	4/12/21	3806.67	98.66	--	--	3708.01	--
MW-4R	4/21/21	3806.67	98.48	--	--	3708.19	--
MW-4R	4/27/21	3806.67	99.10	--	--	3707.57	--
MW-4R	5/4/21	3806.67	98.67	--	--	3708.00	--
MW-4R	5/14/21	3806.67	98.25	--	--	3708.42	--
MW-4R	5/26/21	3806.67	97.85	--	--	3708.82	--
MW-4R	6/11/21	3806.67	97.72	--	--	3708.95	--
MW-4R	6/17/21	3806.67	98.50	--	--	3708.17	--
MW-4R	6/22/21	3806.67	98.60	--	--	3708.07	--
MW-4R	6/28/21	3806.67	98.80	--	--	3707.87	--
MW-4R	7/7/21	3806.67	98.27	--	--	3708.40	--
MW-4R	7/15/21	3806.67	97.98	--	--	3708.69	--
MW-4R	7/27/21	3806.67	98.17	--	--	3708.50	--
MW-4R	8/3/21	3806.67	98.71	--	--	3707.96	109.78
MW-4R	8/11/21	3806.67	98.94	--	--	3707.73	--
MW-4R	8/19/21	3806.67	99.19	--	--	3707.48	--
MW-4R	8/26/21	3806.67	99.45	--	--	3707.22	--
MW-4R	8/31/21	3806.67	--	--	--	--	--
MW-4R	9/8/21	3806.67	99.69	--	--	3706.98	--
MW-4R	9/15/21	3806.67	99.89	--	--	3706.78	--
MW-4R	9/23/21	3806.67	99.64	--	--	3707.03	--
MW-4R	9/30/21	3806.67	99.26	--	--	3707.41	109.78
MW-4R	10/5/21	3806.67	98.98	--	--	3707.69	--
MW-4R	10/12/21	3806.67	98.70	--	--	3707.97	--
MW-4R	10/19/21	3806.67	98.74	--	--	3707.93	--
MW-4R	10/28/21	3806.67	98.67	--	--	3708.00	109.78
MW-4R	11/1/21	3806.67	98.99	--	--	3707.68	109.78
MW-4R	11/9/21	3806.67	99.16	--	--	3707.51	109.78
MW-4R	11/23/21	3806.67	99.45	--	--	3707.22	109.78
MW-4R	12/7/21	3806.67	99.33	--	--	3707.34	109.78
MW-4R	12/16/21	3806.67	--	--	--	--	109.78
MW-4R	1/5/22	3806.67	98.39	--	--	3708.28	109.78
MW-4R	1/12/22	3806.67	98.79	--	--	3707.88	109.78
MW-4R	1/18/22	3806.67	98.93	--	--	3707.74	109.78
MW-4R	2/7/22	3806.67	98.15	--	--	3708.52	109.38

Table 1a

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Plains All American Pipeline, L.P.
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SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	2/15/22	3806.67	98.01	--	--	3708.66	109.38
MW-4R	2/21/22	3806.67	98.05	--	--	3708.62	109.38
MW-4R	3/3/22	3806.67	98.27	--	--	3708.40	109.38
MW-4R	3/8/22	3806.67	98.68	--	--	3707.99	109.38
MW-4R	3/15/22	3806.67	98.84	--	--	3707.83	109.38
MW-4R	3/21/22	3806.67	99.18	--	--	3707.49	109.38
MW-4R	4/1/22	3806.67	99.43	--	--	3707.24	109.38
MW-4R	4/6/22	3806.67	99.65	--	--	3707.02	109.38
MW-4R	4/11/22	3806.67	99.92	--	--	3706.75	109.38
MW-4R	4/19/22	3806.67	99.96	--	--	3706.71	109.38
MW-4R	4/29/22	3806.67	100.36	--	--	3706.31	109.38
MW-4R	5/3/22	3806.67	100.44	--	--	3706.23	109.38
MW-4R	5/10/22	3806.67	100.58	--	--	3706.09	109.38
MW-4R	6/1/22	3806.67	99.68	--	--	3706.99	109.38
MW-4R	6/10/22	3806.67	99.70	--	--	3706.97	109.38
MW-4R	6/15/22	3806.67	100.05	--	--	3706.62	109.38
MW-4R	6/22/22	3806.67	100.44	--	--	3706.23	109.38
MW-4R	6/28/22	3806.67	100.73	--	--	3705.94	109.38
MW-4R	7/6/22	3806.67	100.88	--	--	3705.79	109.38
MW-4R	7/13/22	3806.67	101.00	--	--	3705.67	109.38
MW-4R	7/21/22	3806.67	101.19	--	--	3705.48	109.38
MW-4R	7/28/22	3806.67	101.44	--	--	3705.23	109.38
MW-4R	8/1/22	3806.67	101.48	--	--	3705.19	109.38
MW-4R	8/9/22	3806.67	101.54	--	--	3705.13	109.38
MW-4R	8/15/22	3806.67	101.72	--	--	3704.95	109.38
MW-4R	8/31/22	3806.67	101.73	--	--	3704.94	109.38
MW-4R	9/8/22	3806.67	101.39	--	--	3705.28	109.38
MW-4R	9/29/22	3806.67	100.93	--	--	3705.74	109.38
MW-4R	10/6/22	3806.67	100.63	--	--	3706.04	109.38
MW-4R	11/9/22	3806.67	100.42	--	--	3706.25	109.38
MW-4R	11/16/22	3806.67	100.71	--	--	3705.96	109.38
MW-4R	11/21/22	3806.67	100.40	--	--	3706.27	109.38
MW-4R	12/7/22	3806.67	--	--	--	--	109.38
MW-4R	12/21/22	3806.67	100.42	--	--	3706.25	109.38
MW-4R	1/10/23	3806.67	100.39	--	--	3706.28	109.38
MW-4R	1/18/23	3806.67	100.39	--	--	3706.28	109.38
MW-4R	1/25/23	3806.67	100.68	--	--	3705.99	109.38
MW-4R	2/16/23	3806.67	100.04	--	--	3706.63	109.10
MW-4R	2/23/23	3806.67	99.85	--	--	3706.82	109.10
MW-4R	2/28/23	3806.67	99.91	--	--	3706.76	109.10
MW-4R	3/9/23	3806.67	100.54	--	--	3706.13	109.10
MW-4R	3/16/23	3806.67	100.90	--	--	3705.77	109.10
MW-4R	4/6/23	3806.67	101.03	--	--	3705.64	109.10
MW-4R	4/13/23	3806.67	101.32	--	--	3705.35	109.10
MW-4R	4/18/23	3806.67	101.34	--	--	3705.33	109.10
MW-4R	4/26/23	3806.67	101.63	--	--	3705.04	109.10
MW-4R	5/4/23	3806.67	101.99	--	--	3704.68	109.10
MW-4R	5/12/23	3806.67	102.24	--	--	3704.43	109.10
MW-4R	5/17/23	3806.67	101.03	--	--	3705.64	109.10
MW-4R	5/25/23	3806.67	--	--	--	--	109.10
MW-4R	6/1/23	3806.67	101.36	--	--	3705.31	109.10
MW-4R	6/7/23	3806.67	100.98	--	--	3705.69	--
MW-4R	6/21/23	3806.67	101.34	--	--	3705.33	109.10
MW-4R	6/27/23	3806.67	101.74	--	--	3704.93	109.10
MW-4R	7/7/23	3806.67	101.35	--	--	3705.32	109.10
MW-4R	7/12/23	3806.67	--	--	--	--	109.10
MW-4R	7/20/23	3806.67	--	--	--	--	109.10
MW-4R	7/25/23	3806.67	--	--	--	--	109.10
MW-4R	7/28/23	3806.67	102.59	--	--	3704.08	--
MW-4R	8/3/23	3806.67	102.76	--	--	3703.91	--
MW-4R	8/16/23	3806.67	108.09	--	--	3698.58	--
MW-4R	8/30/23	3806.67	103.09	--	--	3703.58	--
MW-4R	9/21/23	3806.67	103.61	--	--	3703.06	--

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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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	9/29/23	3806.67	103.10	--	--	3703.57	--
MW-4R	10/13/23	3806.67	103.14	--	--	3703.53	--
MW-4R	10/18/23	3806.67	103.12	--	--	3703.55	--
MW-4R	10/31/23	3806.67	102.75	--	--	3703.92	--
MW-4R	11/17/23	3806.67	103.05	--	--	3703.62	--
MW-4R	11/21/23	3806.67	103.07	--	--	3703.60	--
MW-5R	2/20/20	3806.46	93.92	--	--	3712.54	107.40
MW-5R	4/30/20	3806.46	95.79	--	--	3710.67	--
MW-5R	5/20/20	3806.46	96.44	--	--	3710.02	--
MW-5R	6/17/20	3806.46	95.60	--	--	3710.86	--
MW-5R	7/28/20	3806.46	97.05	--	--	3709.41	--
MW-5R	8/26/20	3806.46	97.56	--	--	3708.90	--
MW-5R	9/2/20	3806.46	107.19	--	--	3699.27	107.40
MW-5R	9/16/20	3806.46	97.97	--	--	3708.49	107.59
MW-5R	10/21/20	3806.46	97.25	--	--	3709.21	--
MW-5R	11/5/20	3806.46	96.93	--	--	3709.53	107.40
MW-5R	12/8/20	3806.46	97.43	--	--	3709.03	107.40
MW-5R	1/27/21	3806.46	96.58	--	--	3709.88	--
MW-5R	2/2/21	3806.46	96.45	--	--	3710.01	107.62
MW-5R	3/18/21	3806.46	97.46	--	--	3709.00	--
MW-5R	3/26/21	3806.46	97.84	--	--	3708.62	--
MW-5R	4/27/21	3806.46	98.52	--	--	3707.94	--
MW-5R	5/4/21	3806.46	98.17	--	--	3708.29	--
MW-5R	6/28/21	3806.46	98.23	--	--	3708.23	--
MW-5R	7/27/21	3806.46	97.68	--	--	3708.78	--
MW-5R	8/3/21	3806.46	98.19	--	--	3708.27	107.62
MW-5R	9/30/21	3806.46	98.65	--	--	3707.81	107.62
MW-5R	10/28/21	3806.46	98.15	--	--	3708.31	107.62
MW-5R	11/1/21	3806.46	98.48	--	--	3707.98	107.62
MW-5R	2/7/22	3806.46	97.77	--	--	3708.69	107.49
MW-5R	3/15/22	3806.46	98.44	--	--	3708.02	107.49
MW-5R	4/11/22	3806.46	99.34	--	--	3707.12	107.49
MW-5R	5/10/22	3806.46	99.99	--	--	3706.47	107.49
MW-5R	6/15/22	3806.46	99.54	--	--	3706.92	107.49
MW-5R	7/28/22	3806.46	100.71	--	--	3705.75	107.49
MW-5R	8/9/22	3806.46	100.94	--	--	3705.52	107.49
MW-5R	11/9/22	3806.46	99.95	--	--	3706.51	107.49
MW-5R	11/21/22	3806.46	99.89	--	--	3706.57	107.49
MW-5R	12/7/22	3806.46	--	--	--	--	107.49
MW-5R	12/21/22	3806.46	99.92	--	--	3706.54	107.49
MW-5R	1/10/23	3806.46	99.92	--	--	3706.54	107.49
MW-5R	1/18/23	3806.46	99.98	--	--	3706.48	107.49
MW-5R	1/25/23	3806.46	100.21	--	--	3706.25	107.49
MW-5R	2/16/23	3806.46	99.55	--	--	3706.91	107.49
MW-5R	2/16/23	3806.46	99.38	--	--	3707.08	107.49
MW-5R	2/28/23	3806.46	99.49	--	--	3706.97	107.49
MW-5R	3/9/23	3806.46	100.06	--	--	3706.40	107.49
MW-5R	3/16/23	3806.46	100.33	--	--	3706.13	107.49
MW-5R	4/6/23	3806.46	100.49	--	--	3705.97	107.49
MW-5R	4/13/23	3806.46	100.77	--	--	3705.69	107.49
MW-5R	4/18/23	3806.46	100.79	--	--	3705.67	107.49
MW-5R	4/26/23	3806.46	101.08	--	--	3705.38	107.49
MW-5R	5/4/23	3806.46	101.36	--	--	3705.10	107.49
MW-5R	5/12/23	3806.46	101.61	--	--	3704.85	107.49
MW-5R	5/17/23	3806.46	101.75	--	--	3704.71	107.49
MW-5R	5/25/23	3806.46	--	--	--	--	107.49
MW-5R	6/1/23	3806.46	100.81	--	--	3705.65	107.49
MW-5R	6/7/23	3806.46	101.48	--	--	3704.98	--
MW-5R	6/21/23	3806.46	100.77	--	--	3705.69	107.49
MW-5R	6/27/23	3806.46	101.21	--	--	3705.25	107.49
MW-5R	7/7/23	3806.46	100.71	--	--	3705.75	107.49
MW-5R	7/12/23	3806.46	101.55	--	--	3704.91	107.49
MW-5R	7/20/23	3806.46	101.75	--	--	3704.71	107.49

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-5R	7/25/23	3806.46	101.91	101.89	0.03	3704.57	107.49
MW-5R	7/28/23	3806.46	101.90	--	--	3704.56	--
MW-5R	8/3/23	3806.46	100.82	--	--	3705.64	--
MW-5R	8/16/23	3806.46	102.71	--	--	3703.75	--
MW-5R	8/30/23	3806.46	102.45	--	--	3704.01	--
MW-5R	9/21/23	3806.46	102.93	--	--	3703.53	--
MW-5R	9/29/23	3806.46	102.52	--	--	3703.94	--
MW-5R	10/13/23	3806.46	102.51	--	--	3703.95	--
MW-5R	10/18/23	3806.46	102.50	--	--	3703.96	--
MW-5R	10/31/23	3806.46	102.15	--	--	3704.31	--
MW-5R	11/17/23	3806.46	102.43	--	--	3704.03	--
MW-5R	11/21/23	3806.46	102.45	--	--	3704.01	--
MW-6	2/20/20	3806.08	Dry	--	--	--	92.72
MW-6	4/30/20	3806.08	Dry	--	--	--	92.72
MW-6	5/20/20	3806.08	Dry	--	--	--	92.72
MW-6	6/17/20	3806.08	Dry	--	--	--	92.76
MW-6	7/28/20	3806.08	Dry	--	--	--	92.76
MW-6	8/26/20	3806.08	Dry	--	--	--	92.75
MW-6	9/2/20	3806.08	Dry	--	--	--	92.69
MW-6	10/21/20	3806.08	Dry	--	--	--	92.69
MW-6	11/5/20	3806.08	Dry	--	--	--	92.75
MW-6	12/8/20	3806.08	Dry	--	--	--	97.78
MW-6	1/27/21	3806.08	Dry	--	--	--	92.78
MW-6	2/2/21	3806.08	Dry	--	--	--	92.73
MW-6	3/18/21	3806.08	Dry	--	--	--	92.72
MW-6	3/26/21	3806.08	Dry	--	--	--	92.70
MW-6	4/27/21	3806.08	Dry	--	--	--	92.72
MW-6	5/4/21	3806.08	Dry	--	--	--	92.78
MW-6	6/28/21	3806.08	Dry	--	--	--	92.70
MW-6	7/27/21	3806.08	Dry	--	--	--	92.69
MW-6	8/3/21	3806.08	Dry	--	--	--	92.69
MW-6	9/30/21	3806.08	Dry	--	--	--	92.73
MW-6	10/28/21	3806.08	Dry	--	--	--	92.73
MW-6	11/1/21	3806.08	Dry	--	--	--	92.73
MW-6	2/7/22	3806.08	Dry	--	--	--	92.71
MW-6	3/15/22	3806.08	Dry	--	--	--	92.71
MW-6	4/11/22	3806.08	Dry	--	--	--	92.71
MW-6	5/10/22	3806.08	Dry	--	--	--	92.71
MW-6	6/15/22	3806.08	Dry	--	--	--	92.71
MW-6	7/28/22	3806.08	Dry	--	--	--	92.71
MW-6	8/9/22	3806.08	Dry	--	--	--	92.71
MW-6	11/21/22	3806.08	Dry	--	--	--	92.71
MW-6	2/16/23	3806.08	Dry	--	--	--	92.75
MW-6	4/26/23	3806.08	Dry	--	--	--	92.75
MW-6	7/25/23	3806.09	Dry	--	--	--	92.75
MW-6	10/31/23	3806.08	Dry	--	--	--	--
MW-6	12/12/23	P&A					
MW-7	2/20/20	3806.05	94.23	--	--	3711.82	109.35
MW-7	4/30/20	3806.05	97.41	--	--	3708.64	-
MW-7	5/20/20	3806.05	98.18	--	--	3707.87	-
MW-7	6/17/20	3806.05	96.46	--	--	3709.59	-
MW-7	7/28/20	3806.05	98.84	--	--	3707.21	-
MW-7	8/26/20	3806.05	99.37	--	--	3706.68	--
MW-7	9/2/20	3806.05	99.58	--	--	3706.47	110.44
MW-7	10/21/20	3806.05	98.08	--	--	3707.97	--
MW-7	11/5/20	3806.05	97.63	--	--	3708.42	110.44
MW-7	12/8/20	3806.05	98.42	--	--	3707.63	--
MW-7	1/27/21	3806.05	97.09	--	--	3708.96	--
MW-7	2/2/21	3806.05	96.89	--	--	3709.16	109.95
MW-7	3/18/21	3806.05	98.89	--	--	3707.16	--
MW-7	3/26/21	3806.05	99.48	--	--	3706.57	--
MW-7	4/27/21	3806.05	100.35	--	--	3705.70	--
MW-7	5/4/21	3806.05	99.39	--	--	3706.66	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-7	6/28/21	3806.05	99.53	--	--	3706.52	--
MW-7	7/27/21	3806.05	98.55	--	--	3707.50	--
MW-7	8/3/21	3806.05	99.46	--	--	3706.59	109.95
MW-7	9/30/21	3806.05	99.65	--	--	3706.40	109.95
MW-7	10/28/21	3806.05	99.18	--	--	3706.87	109.95
MW-7	11/1/21	3806.05	99.67	--	--	3706.38	109.95
MW-7	2/7/22	3806.05	98.26	--	--	3707.79	109.16
MW-7	3/15/22	3806.05	99.63	--	--	3706.42	109.16
MW-7	4/11/22	3806.05	101.05	--	--	3705.00	109.16
MW-7	5/10/22	3806.05	101.91	--	--	3704.14	109.16
MW-7	6/15/22	3806.05	107.86	--	--	3698.19	109.16
MW-7	7/28/22	3806.05	102.62	--	--	3703.43	109.16
MW-7	8/9/22	3806.05	102.85	--	--	3703.20	109.16
MW-7	11/21/22	3806.05	100.70	--	--	3705.35	109.16
MW-7	2/16/23	3806.05	100.73	--	--	3705.32	109.48
MW-7	4/26/23	3806.05	102.68	--	--	3703.37	109.48
MW-7	7/25/23	3806.05	103.75	--	--	3702.30	109.48
MW-7	10/31/23	3806.05	103.55	--	--	3702.50	--
MW-8	2/20/20	3805.89	Dry	--	--	--	93.71
MW-8	4/30/20	3805.89	Dry	--	--	--	94.95
MW-8	5/20/20	3805.89	Dry	--	--	--	94.95
MW-8	6/17/20	3805.89	Dry	--	--	--	94.93
MW-8	7/28/20	3805.89	Dry	--	--	--	94.94
MW-8	8/26/20	3805.89	Dry	--	--	--	94.94
MW-8	9/2/20	3805.89	Dry	--	--	--	94.88
MW-8	10/21/20	3805.89	Dry	--	--	--	94.88
MW-8	11/5/20	3805.89	Dry	--	--	--	94.94
MW-8	12/8/20	3805.89	Dry	--	--	--	94.96
MW-8	1/27/21	3805.89	Dry	--	--	--	95.09
MW-8	2/2/21	3805.89	Dry	--	--	--	95.04
MW-8	3/18/21	3805.89	Dry	--	--	--	95.27
MW-8	3/26/21	3805.89	Dry	--	--	--	94.89
MW-8	4/27/21	3805.89	Dry	--	--	--	94.96
MW-8	5/4/21	3805.89	Dry	--	--	--	95.07
MW-8	6/28/21	3805.89	Dry	--	--	--	94.89
MW-8	7/27/21	3805.89	Dry	--	--	--	94.88
MW-8	8/3/21	3805.89	Dry	--	--	--	94.88
MW-8	9/30/21	3805.89	Dry	--	--	--	95.04
MW-8	10/28/21	3805.89	Dry	--	--	--	95.04
MW-8	11/1/21	3805.89	Dry	--	--	--	95.04
MW-8	2/7/22	3805.89	Dry	--	--	--	94.87
MW-8	3/15/22	3805.89	Dry	--	--	--	94.87
MW-8	4/11/22	3805.89	Dry	--	--	--	94.87
MW-8	5/10/22	3805.89	Dry	--	--	--	94.87
MW-8	6/15/22	3805.89	Dry	--	--	--	94.87
MW-8	7/28/22	3805.89	Dry	--	--	--	94.87
MW-8	8/9/22	3805.89	Dry	--	--	--	94.87
MW-8	11/21/22	3805.89	Dry	--	--	--	94.87
MW-8	2/16/23	3805.89	Dry	--	--	--	95.09
MW-8	4/26/23	3805.89	Dry	--	--	--	95.09
MW-8	7/25/23	3805.89	Dry	--	--	--	95.09
MW-8	10/31/23	3805.89	Dry	--	--	--	--
MW-8	12/12/23	P&A					
MW-9	2/20/20	3806.022	93.92	--	--	3712.10	108.55
MW-9	4/30/20	3806.022	98.25	--	--	3707.77	--
MW-9	5/20/20	3806.022	99.04	--	--	3706.98	--
MW-9	6/17/20	3806.022	96.59	--	--	3709.43	--
MW-9	7/28/20	3806.022	99.75	--	--	3706.27	--
MW-9	8/26/20	3806.022	100.28	--	--	3705.74	--
MW-9	9/2/20	3806.022	100.52	--	--	3705.50	110.13
MW-9	10/21/20	3806.022	98.05	--	--	3707.97	--
MW-9	11/5/20	3806.022	97.63	--	--	3708.39	110.13
MW-9	12/8/20	3806.022	98.62	--	--	3707.40	--

Table 1a

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Plains All American Pipeline, L.P.
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SRS 2006-142
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NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-9	1/27/21	3806.022	96.91	--	--	3709.11	--
MW-9	2/2/21	3806.022	96.70	--	--	3709.32	108.82
MW-9	3/18/21	3806.022	99.60	--	--	3706.42	--
MW-9	3/26/21	3806.022	100.29	--	--	3705.73	--
MW-9	4/27/21	3806.022	101.30	--	--	3704.72	--
MW-9	5/4/21	3806.022	99.74	--	--	3706.28	--
MW-9	6/28/21	3806.022	100.07	--	--	3705.95	--
MW-9	7/27/21	3806.022	98.67	--	--	3707.35	--
MW-9	8/3/21	3806.022	100.06	--	--	3705.96	108.82
MW-9	9/30/21	3806.022	99.67	--	--	3706.35	108.82
MW-9	10/28/21	3806.022	99.42	--	--	3706.60	108.82
MW-9	11/1/21	3806.022	100.11	--	--	3705.91	108.82
MW-9	2/7/22	3806.02	98.04	--	--	3707.98	108.65
MW-9	3/15/22	3806.02	100.09	--	--	3705.93	108.65
MW-9	4/11/22	3806.02	101.87	--	--	3704.15	108.65
MW-9	5/10/22	3806.02	102.89	--	--	3703.13	108.65
MW-9	6/15/22	3806.02	101.50	--	--	3704.52	108.65
MW-9	7/28/22	3806.02	103.60	--	--	3702.42	108.65
MW-9	8/9/22	3806.02	103.82	--	--	3702.20	108.65
MW-9	11/21/22	3806.02	100.78	--	--	3705.24	108.65
MW-9	2/16/23	3806.02	100.06	--	--	3705.96	108.80
MW-9	4/26/23	3806.02	103.41	--	--	3702.61	108.80
MW-9	7/25/23	3806.02	104.64	--	--	3701.38	108.80
MW-9	10/31/23	3806.02	104.12	--	--	3701.90	--
MW-10	2/20/20	3806.08	Dry	--	--	--	95.80
MW-10	4/30/20	3806.08	Dry	--	--	--	95.76
MW-10	5/20/20	3806.08	Dry	--	--	--	95.80
MW-10	6/17/20	3806.08	Dry	--	--	--	95.76
MW-10	7/28/20	3806.08	Dry	--	--	--	95.76
MW-10	8/26/20	3806.08	Dry	--	--	--	95.76
MW-10	9/2/20	3806.08	Dry	--	--	--	95.72
MW-10	10/21/20	3806.08	Dry	--	--	--	95.72
MW-10	11/5/20	3806.08	Dry	--	--	--	95.80
MW-10	12/8/20	3806.08	Dry	--	--	--	95.80
MW-10	1/27/21	3806.08	Dry	--	--	--	95.82
MW-10	2/2/21	3806.08	Dry	--	--	--	95.82
MW-10	3/18/21	3806.08	Dry	--	--	--	95.88
MW-10	3/26/21	3806.08	Dry	--	--	--	95.76
MW-10	4/27/21	3806.08	Dry	--	--	--	95.83
MW-10	5/4/21	3806.08	Dry	--	--	--	95.84
MW-10	6/28/21	3806.08	Dry	--	--	--	95.76
MW-10	7/27/21	3806.08	Dry	--	--	--	95.75
MW-10	8/3/21	3806.08	Dry	--	--	--	95.75
MW-10	9/30/21	3806.08	Dry	--	--	--	95.82
MW-10	10/28/21	3806.08	Dry	--	--	--	95.82
MW-10	11/1/21	3806.08	Dry	--	--	--	95.82
MW-10	2/7/22	3806.08	Dry	--	--	--	95.76
MW-10	3/15/22	3806.08	Dry	--	--	--	95.76
MW-10	4/11/22	3806.08	Dry	--	--	--	95.76
MW-10	5/10/22	3806.08	Dry	--	--	--	95.76
MW-10	6/15/22	3806.08	Dry	--	--	--	95.76
MW-10	7/28/22	3806.08	Dry	--	--	--	95.76
MW-10	8/9/22	3806.08	Dry	--	--	--	95.76
MW-10	11/21/22	3806.08	Dry	--	--	--	95.76
MW-10	2/16/23	3806.08	Dry	--	--	--	98.50
MW-10	4/26/23	3806.08	Dry	--	--	--	98.50
MW-10	7/25/23	3806.08	Dry	--	--	--	98.50
MW-10	10/31/23	3806.08	Dry	--	--	--	--
MW-11	2/20/20	3805.88	93.83	--	--	3712.05	109.85
MW-11	4/30/20	3805.88	101.61	--	--	3704.27	--
MW-11	5/20/20	3805.88	102.55	--	--	3703.33	--
MW-11	6/17/20	3805.88	97.71	--	--	3708.17	--
MW-11	7/28/20	3805.88	103.21	--	--	3702.67	--

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Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-11	8/26/20	3805.88	103.67	--	--	3702.21	--
MW-11	9/2/20	3805.88	103.92	--	--	3701.96	110.05
MW-11	10/21/20	3805.88	98.05	--	--	3707.83	--
MW-11	11/5/20	3805.88	97.88	--	--	3708.00	110.05
MW-11	12/8/20	3805.88	99.00	--	--	3706.88	--
MW-11	1/27/21	3805.88	96.83	--	--	3709.05	--
MW-11	2/2/21	3805.88	96.57	--	--	3709.31	110.20
MW-11	2/24/21	3805.88	99.21	--	--	3706.67	110.06
MW-11	3/18/21	3805.88	102.98	--	--	3702.90	--
MW-11	3/26/21	3805.88	103.81	--	--	3702.07	--
MW-11	4/27/21	3805.88	104.69	--	--	3701.19	--
MW-11	5/4/21	3805.88	100.24	--	--	3705.64	--
MW-11	6/28/21	3805.88	101.69	--	--	3704.19	--
MW-11	7/27/21	3805.88	99.71	--	--	3706.17	--
MW-11	8/3/21	3805.88	102.77	--	--	3703.11	110.06
MW-11	9/30/21	3805.88	99.85	--	--	3706.03	110.20
MW-11	10/28/21	3805.88	101.27	--	--	3704.61	110.20
MW-11	11/1/21	3805.88	102.93	--	--	3702.95	110.20
MW-11	2/7/22	3805.88	97.94	--	--	3707.94	110.14
MW-11	3/15/22	3805.88	102.46	--	--	3703.42	110.14
MW-11	4/11/22	3805.88	105.22	--	--	3700.66	110.14
MW-11	5/10/22	3805.88	106.39	--	--	3699.49	110.14
MW-11	6/15/22	3805.88	105.56	--	--	3700.32	110.14
MW-11	7/28/22	3805.88	107.90	--	--	3697.98	110.14
MW-11	8/9/22	3805.88	107.31	--	--	3698.57	110.14
MW-11	11/21/22	3805.88	101.04	--	--	3704.84	110.14
MW-11	2/16/23	3805.88	100.14	--	--	3705.74	110.20
MW-11	4/26/23	3805.88	106.77	--	--	3699.11	110.20
MW-11	5/4/23	3805.88	107.42	--	--	3698.46	110.20
MW-11	7/25/23	3805.88	108.11	--	--	3697.77	110.20
MW-11	10/31/23	3805.88	106.24	--	--	3699.64	--
MW-12	2/20/20	3806.04	93.96	--	--	3712.08	110.01
MW-12	3/26/20	3806.04	94.67	--	--	3711.37	110.07
MW-12	4/2/20	3806.04	96.80	--	--	3709.24	--
MW-12	4/10/20	3806.04	97.92	--	--	3708.12	--
MW-12	4/17/20	3806.04	98.60	--	--	3707.44	--
MW-12	4/20/20	3806.04	98.82	--	--	3707.22	--
MW-12	4/30/20	3806.04	99.46	--	--	3706.58	--
MW-12	5/6/20	3806.04	99.80	--	--	3706.24	--
MW-12	5/12/20	3806.04	100.10	--	--	3705.94	--
MW-12	5/20/20	3806.04	100.35	--	--	3705.69	--
MW-12	6/17/20	3806.04	--	--	--	--	--
MW-12	7/28/20	3806.04	--	--	--	--	--
MW-12	8/26/20	3806.04	101.62	--	--	3704.42	--
MW-12	9/2/20	3806.04	101.80	--	--	3704.24	110.01
MW-12	10/21/20	3806.04	--	--	--	--	--
MW-12	11/5/20	3806.04	97.89	--	--	3708.15	110.01
MW-12	12/8/20	3806.04	--	--	--	--	110.01
MW-12	1/27/21	3806.04	--	--	--	--	--
MW-12	2/2/21	3806.04	96.76	--	--	3709.28	110.09
MW-12	3/18/21	3806.04	100.79	--	--	3705.25	110.09
MW-12	3/26/21	3806.04	101.58	--	--	3704.46	--
MW-12	4/27/21	3806.04	102.56	--	--	3703.48	--
MW-12	5/4/21	3806.04	100.16	--	--	3705.88	--
MW-12	6/28/21	3806.04	--	--	--	--	--
MW-12	7/27/21	3806.04	99.18	--	--	3706.86	--
MW-12	8/3/21	3806.04	101.06	--	--	3704.98	110.09
MW-12	9/30/21	3806.04	99.99	--	--	3706.05	110.09
MW-12	10/28/21	3806.04	99.99	--	--	3706.05	110.09
MW-12	11/1/21	3806.04	101.06	--	--	3704.98	110.09
MW-12	2/7/22	3806.04	98.99	--	--	3707.05	110.07
MW-12	3/15/22	3806.04	100.88	--	--	3705.16	110.07
MW-12	4/11/22	3806.04	--	--	--	--	110.07

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020 - 2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-12	5/10/22	3806.04	104.81	--	--	3701.23	110.07
MW-12	6/15/22	3806.04	--	--	--	--	110.07
MW-12	7/28/22	3806.04	104.90	--	--	3701.14	110.07
MW-12	8/1/22	3806.04	105.01	--	--	3701.03	110.07
MW-12	8/9/22	3806.04	105.08	--	--	3700.96	110.07
MW-12	8/15/22	3806.04	105.27	--	--	3700.77	110.07
MW-12	8/31/22	3806.04	104.21	--	--	3701.83	110.07
MW-12	9/8/22	3806.04	103.77	--	--	3702.27	110.07
MW-12	9/23/22	3806.04	102.74	--	--	3703.30	110.07
MW-12	9/29/22	3806.04	101.57	--	--	3704.47	110.07
MW-12	10/6/22	3806.04	100.94	--	--	3705.10	110.07
MW-12	11/16/22	3806.04	102.27	--	--	3703.77	110.07
MW-12	11/21/22	3806.04	100.94	--	--	3705.10	110.07
MW-12	12/7/22	3806.04	--	--	--	--	110.07
MW-12	12/21/22	3806.04	101.05	--	--	3704.99	110.07
MW-12	1/10/23	3806.04	102.08	--	--	3703.96	110.07
MW-12	1/18/23	3806.04	102.13	--	--	3703.91	110.07
MW-12	1/25/23	3806.04	102.59	--	--	3703.45	110.07
MW-12	2/16/23	3806.04	100.49	--	--	3705.55	110.12
MW-12	2/23/23	3806.04	99.76	--	--	3706.28	110.12
MW-12	2/28/23	3806.04	100.44	--	--	3705.60	110.12
MW-12	3/9/23	3806.04	102.55	--	--	3703.49	110.12
MW-12	3/16/23	3806.04	103.05	--	--	3702.99	110.12
MW-12	4/6/23	3806.04	102.28	--	--	3703.76	110.12
MW-12	4/13/23	3806.04	103.84	--	--	3702.20	110.12
MW-12	4/18/23	3806.04	103.16	--	--	3702.88	110.12
MW-12	4/26/23	3806.04	104.57	--	--	3701.47	110.12
MW-12	5/4/23	3806.04	105.38	--	--	3700.66	110.12
MW-12	5/12/23	3806.04	105.78	--	--	3700.26	110.12
MW-12	5/17/23	3806.04	106.00	--	--	3700.04	110.12
MW-12	5/25/23	3806.04	--	--	--	--	110.12
MW-12	6/1/23	3806.04	103.20	--	--	3702.84	110.12
MW-12	6/7/23	3806.04	101.34	--	--	3704.70	--
MW-12	6/21/23	3806.04	103.89	--	--	3702.15	110.12
MW-12	6/27/23	3806.04	104.52	--	--	3701.52	110.12
MW-12	7/7/23	3806.04	103.81	--	--	3702.23	110.12
MW-12	7/12/23	3806.04	104.63	--	--	3701.41	110.12
MW-12	7/20/23	3806.04	105.43	--	--	3700.61	110.12
MW-12	7/25/23	3806.04	105.86	--	--	3700.18	110.12
MW-12	7/28/23	3806.04	105.84	--	--	3700.20	--
MW-12	8/3/23	3806.04	106.31	--	--	3699.73	--
MW-12	8/16/23	3806.04	106.70	--	--	3699.34	--
MW-12	8/30/23	3806.04	105.88	--	--	3700.16	--
MW-12	9/21/23	3806.04	107.16	--	--	3698.88	--
MW-12	9/29/23	3806.04	105.72	--	--	3700.32	--
MW-12	10/13/23	3806.04	105.94	--	--	3700.10	--
MW-12	10/18/23	3806.04	105.88	--	--	3700.16	--
MW-12	10/31/23	3806.04	105.04	--	--	3701.00	--
MW-12	11/17/23	3806.04	105.08	--	--	3700.96	--
MW-12	11/21/23	3806.04	105.05	--	--	3700.99	--

Notes:
1. NAVD88 - North American Vertical Datum of 1988
2. BTOC - Below Top-Of-Casing
3. -- = No gauging data collected on corresponding date
4. Dry - No fluid column measured in corresponding monitoring well

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1	10/5/06	3806.60	78.00	--	--	3728.60	--
MW-1	12/28/06	3806.60	78.00	--	--	3728.60	--
MW-1	3/16/07	3806.60	79.50	--	--	3727.10	--
MW-1	5/31/07	3806.60	78.97	--	--	3727.63	--
MW-1	9/25/07	3806.60	80.16	--	--	3726.44	--
MW-1	11/30/07	3806.60	79.94	--	--	3726.66	--
MW-1	3/11/08	3806.60	79.82	--	--	3726.78	--
MW-1	6/14/08	3806.60	81.44	--	--	3725.16	--
MW-1	9/17/08	3806.60	81.27	--	--	3725.33	--
MW-1	12/2/08	3806.60	81.05	--	--	3725.55	--
MW-1	3/3/09	3806.60	81.56	--	--	3725.04	--
MW-1	6/18/09	3806.60	82.95	--	--	3723.65	--
MW-1	9/1/09	3806.60	84.36	--	--	3722.24	--
MW-1	12/18/09	3806.60	83.00	--	--	3723.60	--
MW-1	3/4/10	3806.60	82.23	--	--	3724.37	--
MW-1	5/25/10	3806.60	82.83	--	--	3723.77	--
MW-1	8/30/10	3806.60	85.37	--	--	3721.23	--
MW-1	11/11/10	3806.60	83.00	--	--	3723.60	--
MW-1	3/22/11	3806.60	85.07	--	--	3721.53	--
MW-1	5/27/11	3806.60	86.56	--	--	3720.04	--
MW-1	8/24/11	3806.60	88.80	--	--	3717.80	--
MW-1	11/9/11	3806.60	87.80	--	--	3718.80	--
MW-1	2/6/12	3806.60	86.30	--	--	3720.30	--
MW-1	5/23/12	3806.60	87.88	--	--	3718.72	--
MW-1	8/28/12	3806.60	89.25	--	--	3717.35	--
MW-1	11/27/12	3806.60	88.83	--	--	3717.77	--
MW-1	2/22/13	3806.60	87.53	--	--	3719.07	--
MW-1	5/23/13	3806.60	89.37	--	--	3717.23	--
MW-1	8/21/13	3806.60	89.56	--	--	3717.04	--
MW-1	2/13/14	3806.60	87.85	--	--	3718.75	--
MW-1	5/9/14	3806.60	89.34	--	--	3717.26	--
MW-1	8/7/14	3806.60	91.28	--	--	3715.32	--
MW-1	11/17/14	3806.60	90.55	--	--	3716.05	--
MW-1	3/18/15	3806.60	89.76	--	--	3716.84	--
MW-1	5/12/15	3806.60	90.02	--	--	3716.58	--
MW-1	9/9/15	3806.60	92.18	--	--	3714.42	--
MW-1	11/24/15	3806.60	Dry	--	--	--	--
MW-1	2/18/16	3806.60	90.00	--	0.00	3716.60	--
MW-1	6/22/16	3806.60	92.01	--	0.00	3714.59	--
MW-1	9/6/16	3806.60	Dry	--	--	--	--
MW-1	10/11/16	3806.60	91.96	--	0.00	3714.64	92.39
MW-1	12/13/16	3806.60	91.37	--	0.00	3715.23	92.39
MW-1	4/5/17	3806.60	92.38	--	--	3714.22	92.39
MW-1	6/21/17	3806.60	Dry	--	--	--	92.39
MW-1	9/25/17	3806.60	Dry	--	--	--	92.37
MW-1	11/28/17	3806.60	Dry	--	--	--	92.43
MW-1	2/23/18	3806.60	Dry	--	--	--	92.59
MW-1	5/24/18	3806.60	Dry	--	--	--	92.46
MW-1	8/23/18	3806.60	Dry	--	--	--	92.40
MW-1	9/17/18	P&A					
MW-1R	11/16/18	3806.62	94.80	--	--	3711.82	108.70
MW-1R	2/18/19	3806.62	94.06	--	--	3712.56	108.69
MW-1R	5/21/19	3806.62	94.69	--	--	3711.93	--
MW-1R	8/23/19	3806.62	96.34	--	--	3710.28	--
MW-1R	10/17/19	3806.62	95.49	--	--	3711.13	--
MW-2	10/5/06	3806.31	77.94	--	--	3728.37	--
MW-2	12/28/06	3806.31	77.94	--	--	3728.37	--
MW-2	3/16/07	3806.31	79.13	--	--	3727.18	--
MW-2	5/31/07	3806.31	78.82	--	--	3727.49	--
MW-2	9/25/07	3806.31	80.13	--	--	3726.18	--
MW-2	11/30/07	3806.31	79.88	--	--	3726.43	--
MW-2	3/11/08	3806.31	80.09	--	--	3726.22	--

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2	6/14/08	3806.31	81.73	--	--	3724.58	--
MW-2	9/17/08	3806.31	81.20	--	--	3725.11	--
MW-2	12/2/08	3806.31	80.92	--	--	3725.39	--
MW-2	3/3/09	3806.31	81.60	--	--	3724.71	--
MW-2	6/18/09	3806.31	83.22	--	--	3723.09	--
MW-2	9/1/09	3806.31	84.61	--	--	3721.70	--
MW-2	12/18/09	3806.31	82.90	--	--	3723.41	--
MW-2	3/4/10	3806.31	82.04	--	--	3724.27	--
MW-2	5/25/10	3806.31	82.72	--	--	3723.59	--
MW-2	8/30/10	3806.31	85.73	--	--	3720.58	--
MW-2	11/11/10	3806.31	82.90	--	--	3723.41	--
MW-2	3/22/11	3806.31	85.30	--	--	3721.01	--
MW-2	5/27/11	3806.31	87.11	--	--	3719.20	--
MW-2	8/24/11	3806.31	87.55	--	--	3718.76	--
MW-2	11/9/11	3806.31	88.10	--	--	3718.21	--
MW-2	2/6/12	3806.31	84.20	--	--	3722.11	--
MW-2	5/23/12	3806.31	Dry	--	--	--	--
MW-2	8/28/12	3806.31	Dry	--	--	--	--
MW-2	11/27/12	3806.31	Dry	--	--	--	--
MW-2	2/22/13	3806.31	87.41	--	--	3718.90	--
MW-2	5/23/13	3806.31	Dry	--	--	--	--
MW-2	8/21/13	3806.31	Dry	--	--	--	--
MW-2	11/8/13	3806.31	--	--	--	--	--
MW-2	2/13/14	3806.31	--	--	--	--	--
MW-2	5/9/14	3806.31	Dry	--	--	--	--
MW-2	8/7/14	3806.31	Dry	--	--	--	--
MW-2	11/17/14	3806.31	Dry	--	--	--	--
MW-2	3/18/15	3806.31	Dry	--	--	--	--
MW-2	5/12/15	3806.31	88.20	--	--	3718.11	--
MW-2	9/9/15	3806.31	Dry	--	--	--	--
MW-2	11/24/15	3806.31	Dry	--	--	--	--
MW-2	2/18/16	3806.31	Dry	--	--	--	--
MW-2	6/22/16	3806.31	Dry	--	--	--	--
MW-2	9/6/16	3806.31	Dry	--	--	--	--
MW-2	10/11/16	3806.31	Dry	--	--	--	88.06
MW-2	12/13/16	3806.31	Dry	--	--	--	88.06
MW-2	4/5/17	3806.31	Dry	--	--	--	88.06
MW-2	6/21/17	3806.31	Dry	--	--	--	88.05
MW-2	9/25/17	3806.31	Dry	--	--	--	88.10
MW-2	11/28/17	3806.31	Dry	--	--	--	88.09
MW-2	2/23/18	3806.31	Dry	--	--	--	88.04
MW-2	5/24/18	3806.31	Dry	--	--	--	88.25
MW-2	8/23/18	3806.31	Dry	--	--	--	88.05
MW-2	9/17/18	P&A					
MW-2R	11/16/18	3806.38	95.26	--	--	3711.12	109.91
MW-2R	2/18/19	3806.38	94.38	--	--	3712.00	109.74
MW-2R	5/21/19	3806.38	95.05	--	--	3711.33	--
MW-2R	8/23/19	3806.38	97.30	--	--	3709.08	--
MW-2R	10/17/19	3806.38	95.61	--	--	3710.77	--
MW-3	10/5/06	3806.19	77.85	--	--	3728.34	--
MW-3	12/28/06	3806.19	77.85	--	--	3728.34	--
MW-3	3/16/07	3806.19	79.13	--	--	3727.06	--
MW-3	5/31/07	3806.19	78.73	--	--	3727.46	--
MW-3	9/25/07	3806.19	80.03	--	--	3726.16	--
MW-3	11/30/07	3806.19	79.77	--	--	3726.42	--
MW-3	3/11/08	3806.19	80.50	--	--	3725.69	--
MW-3	6/14/08	3806.19	81.72	--	--	3724.47	--
MW-3	9/17/08	3806.19	81.10	--	--	3725.09	--
MW-3	12/2/08	3806.19	80.79	--	--	3725.40	--
MW-3	3/3/09	3806.19	81.56	--	--	3724.63	--
MW-3	6/18/09	3806.19	83.25	--	--	3722.94	--
MW-3	9/1/09	3806.19	84.55	--	--	3721.64	--

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-3	12/18/09	3806.19	82.76	--	--	3723.43	--
MW-3	3/4/10	3806.19	81.91	--	--	3724.28	--
MW-3	5/25/10	3806.19	82.63	--	--	3723.56	--
MW-3	8/30/10	3806.19	85.74	--	--	3720.45	--
MW-3	11/11/10	3806.19	82.76	--	--	3723.43	--
MW-3	3/22/11	3806.19	82.35	--	--	3723.84	--
MW-3	5/27/11	3806.19	86.98	--	--	3719.21	--
MW-3	8/24/11	3806.19	89.20	--	--	3716.99	--
MW-3	11/9/11	3806.19	88.10	--	--	3718.09	--
MW-3	2/6/12	3806.19	85.90	--	--	3720.29	--
MW-3	5/23/12	3806.19	88.20	--	--	3717.99	--
MW-3	8/28/12	3806.19	89.40	--	--	3716.79	--
MW-3	11/27/12	3806.19	88.84	--	--	3717.35	--
MW-3	2/22/13	3806.19	87.37	--	--	3718.82	--
MW-3	5/23/13	3806.19	89.34	--	--	3716.85	--
MW-3	8/21/13	3806.19	91.02	--	--	3715.17	--
MW-3	11/8/13	3806.19	91.02	--	--	3715.17	--
MW-3	2/13/14	3806.19	87.65	--	--	3718.54	--
MW-3	5/9/14	3806.19	89.27	--	--	3716.92	--
MW-3	8/7/14	3806.19	91.76	--	--	3714.43	--
MW-3	11/17/14	3806.19	90.51	--	--	3715.68	--
MW-3	3/18/15	3806.19	89.78	--	--	3716.41	--
MW-3	5/12/15	3806.19	89.84	--	--	3716.35	--
MW-3	9/9/15	3806.19	92.45	--	--	3713.74	--
MW-3	11/24/15	3806.19	90.75	--	--	3715.44	--
MW-3	2/18/16	3806.19	89.80	--	--	3716.39	--
MW-3	6/22/16	3806.19	92.34	--	--	3713.85	--
MW-3	9/6/16	3806.19	Dry	--	--	--	--
MW-3	10/11/16	3806.19	91.85	--	--	3714.34	92.46
MW-3	12/13/16	3806.19	91.11	--	--	3715.08	92.46
MW-3	4/5/17	3806.19	Dry	--	--	--	92.46
MW-3	6/21/17	3806.19	Dry	--	--	--	92.46
MW-3	9/25/17	3806.19	Dry	--	--	--	92.51
MW-3	11/28/17	3806.19	Dry	--	--	--	92.43
MW-3	2/23/18	3806.19	Dry	--	--	--	92.46
MW-3	5/24/18	3806.19	Dry	--	--	--	92.56
MW-3	8/23/18	3806.19	Dry	--	--	--	92.48
MW-3	9/17/18	P&A					
MW-3R	11/16/18	3806.15	94.85	--	--	3711.30	109.91
MW-3R	2/18/19	3806.15	94.03	--	--	3712.12	109.82
MW-3R	5/21/19	3806.15	94.67	--	--	3711.48	--
MW-3R	8/23/19	3806.15	96.79	--	--	3709.36	--
MW-3R	10/17/19	3806.15	95.23	--	--	3710.92	--
MW-4	12/28/06	3806.67	78.73	--	--	3727.94	--
MW-4	3/16/07	3806.67	79.17	--	--	3727.50	--
MW-4	5/30/07	3806.67	79.09	--	--	3727.58	--
MW-4	9/25/07	3806.67	80.35	--	--	3726.32	--
MW-4	11/30/07	3806.67	80.09	--	--	3726.58	--
MW-4	3/11/08	3806.67	79.95	--	--	3726.72	--
MW-4	6/14/08	3806.67	81.60	--	--	3725.07	--
MW-4	9/17/08	3806.67	81.41	--	--	3725.26	--
MW-4	12/2/08	3806.67	81.13	--	--	3725.54	--
MW-4	3/3/09	3806.67	81.67	--	--	3725.00	--
MW-4	6/18/09	3806.67	83.13	--	--	3723.54	--
MW-4	9/1/09	3806.67	84.54	--	--	3722.13	--
MW-4	12/18/09	3806.67	83.14	--	--	3723.53	--
MW-4	3/4/10	3806.67	82.33	--	--	3724.34	--
MW-4	5/25/10	3806.67	82.94	--	--	3723.73	--
MW-4	8/30/10	3806.67	85.57	--	--	3721.10	--
MW-4	11/11/10	3806.67	83.14	--	--	3723.53	--
MW-4	3/22/11	3806.67	85.21	--	--	3721.46	--
MW-4	5/27/11	3806.67	86.77	--	--	3719.90	--

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4	8/24/11	3806.67	89.00	--	--	3717.67	--
MW-4	11/9/11	3806.67	88.20	--	--	3718.47	--
MW-4	2/6/12	3806.67	86.45	--	--	3720.22	--
MW-4	5/23/12	3806.67	88.15	--	--	3718.52	--
MW-4	8/28/12	3806.67	89.87	--	--	3716.80	--
MW-4	11/27/12	3806.67	89.05	--	--	3717.62	--
MW-4	2/22/13	3806.67	87.69	--	--	3718.98	--
MW-4	5/23/13	3806.67	89.65	--	--	3717.02	--
MW-4	8/21/13	3806.67	Dry	--	--	--	--
MW-4	2/13/14	3806.67	87.97	--	--	3718.70	--
MW-4	5/9/14	3806.67	89.52	--	--	3717.15	--
MW-4	8/7/14	3806.67	Dry	--	--	--	--
MW-4	11/17/14	3806.67	90.79	--	--	3715.88	--
MW-4	3/18/15	3806.67	89.88	--	--	3716.79	--
MW-4	5/12/15	3806.67	90.17	--	--	3716.50	--
MW-4	9/9/15	3806.67	Dry	--	--	--	--
MW-4	11/24/15	3806.67	Dry	--	--	--	--
MW-4	2/18/16	3806.67	Dry	--	--	--	--
MW-4	6/22/16	3806.67	Dry	--	--	--	--
MW-4	9/6/16	3806.67	Dry	--	--	--	--
MW-4	10/11/16	3806.67	Dry	--	--	--	91.01
MW-4	12/13/16	3806.67	Dry	--	--	--	91.01
MW-4	4/5/17	3806.67	Dry	--	--	--	91.01
MW-4	6/21/17	3806.67	91.01	--	--	3715.66	91.02
MW-4	9/25/17	3806.67	Dry	--	--	--	91.10
MW-4	11/28/17	3806.67	Dry	--	--	--	91.07
MW-4	2/23/18	3806.67	Dry	--	--	--	91.02
MW-4	5/24/18	3806.67	Dry	--	--	--	91.07
MW-4	8/23/18	3806.67	Dry	--	--	--	91.01
MW-4	9/17/18	P&A					
MW-4R	11/16/18	3806.67	95.20	--	--	3711.47	110.01
MW-4R	2/18/19	3806.67	94.30	--	--	3712.37	110.00
MW-4R	5/21/19	3806.67	94.99	--	--	3711.68	--
MW-4R	8/23/19	3806.67	96.99	--	--	3709.68	--
MW-4R	10/17/19	3806.67	95.75	--	--	3710.92	--
MW-5	12/28/06	3806.30	78.23	--	--	3728.07	--
MW-5	3/16/07	3806.30	78.79	--	--	3727.51	--
MW-5	5/30/07	3806.30	78.71	--	--	3727.59	--
MW-5	9/25/07	3806.30	79.89	--	--	3726.41	--
MW-5	11/30/07	3806.30	79.61	--	--	3726.69	--
MW-5	3/11/08	3806.30	79.61	--	--	3726.69	--
MW-5	6/14/08	3806.30	81.20	--	--	3725.10	--
MW-5	9/17/08	3806.30	80.96	--	--	3725.34	--
MW-5	12/2/08	3806.30	80.75	--	--	3725.55	--
MW-5	3/3/09	3806.30	81.33	--	--	3724.97	--
MW-5	6/18/09	3806.30	82.71	--	--	3723.59	--
MW-5	9/1/09	3806.30	84.07	--	--	3722.23	--
MW-5	12/18/09	3806.30	82.70	--	--	3723.60	--
MW-5	3/4/10	3806.30	81.95	--	--	3724.35	--
MW-5	5/25/10	3806.30	82.55	--	--	3723.75	--
MW-5	8/30/10	3806.30	85.09	--	--	3721.21	--
MW-5	11/11/10	3806.30	82.70	--	--	3723.60	--
MW-5	3/22/11	3806.30	84.83	--	--	3721.47	--
MW-5	5/27/11	3806.30	86.26	--	--	3720.04	--
MW-5	8/24/11	3806.30	88.50	--	--	3717.80	--
MW-5	11/9/11	3806.30	87.50	--	--	3718.80	--
MW-5	2/6/12	3806.30	86.00	--	--	3720.30	--
MW-5	5/23/12	3806.30	87.60	--	--	3718.70	--
MW-5	8/28/12	3806.30	88.95	--	--	3717.35	--
MW-5	11/27/12	3806.30	88.43	--	--	3717.87	--
MW-5	2/22/13	3806.30	87.24	--	--	3719.06	--
MW-5	5/23/13	3806.30	89.00	--	--	3717.30	--

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-5	8/21/13	3806.30	89.25	--	--	3717.05	--
MW-5	2/13/14	3806.30	87.51	--	--	3718.79	--
MW-5	5/9/14	3806.30	89.00	--	--	3717.30	--
MW-5	8/7/14	3806.30	91.02	--	--	3715.28	--
MW-5	11/17/14	3806.30	90.21	--	--	3716.09	--
MW-5	3/18/15	3806.30	89.50	--	--	3716.80	--
MW-5	5/12/15	3806.30	89.68	--	--	3716.62	--
MW-5	9/9/15	3806.30	Dry	--	--	--	--
MW-5	11/24/15	3806.30	Dry	--	--	--	--
MW-5	2/18/16	3806.30	89.70	--	0.00	3716.60	--
MW-5	6/22/16	3806.30	Dry	--	--	--	--
MW-5	9/6/16	3806.30	Dry	--	--	--	--
MW-5	10/11/16	3806.30	Dry	--	--	--	91.19
MW-5	12/13/16	3806.30	90.97	--	0.00	3715.33	91.19
MW-5	4/5/17	3806.30	Dry	--	--	--	91.19
MW-5	6/21/17	3806.30	Dry	--	--	--	91.20
MW-5	9/25/17	3806.30	Dry	--	--	--	91.23
MW-5	11/28/17	3806.30	Dry	--	--	--	91.24
MW-5	2/23/18	3806.30	Dry	--	--	--	91.18
MW-5	5/24/18	3806.30	Dry	--	--	--	91.22
MW-5	8/23/18	3806.30	Dry	--	--	--	91.25
MW-5	9/17/18	P&A					
MW-5R	11/16/18	3806.46	94.65	--	--	3711.81	107.45
MW-5R	2/18/19	3806.46	93.96	--	--	3712.50	107.42
MW-5R	5/21/19	3806.46	94.57	--	--	3711.89	--
MW-5R	8/23/19	3806.46	96.40	--	--	3710.06	--
MW-5R	10/17/19	3806.46	95.26	--	--	3711.20	--
MW-6	12/28/06	3806.08	78.42	--	--	3727.66	--
MW-6	3/16/07	3806.08	79.20	--	--	3726.88	--
MW-6	5/30/07	3806.08	78.75	--	--	3727.33	--
MW-6	9/25/07	3806.08	80.10	--	--	3725.98	--
MW-6	11/30/07	3806.08	79.73	--	--	3726.35	--
MW-6	3/11/08	3806.08	79.95	--	--	3726.13	--
MW-6	6/14/08	3806.08	82.01	--	--	3724.07	--
MW-6	9/17/08	3806.08	81.09	--	--	3724.99	--
MW-6	12/2/08	3806.08	80.77	--	--	3725.31	--
MW-6	3/3/09	3806.08	81.67	--	--	3724.41	--
MW-6	6/18/09	3806.08	83.48	--	--	3722.60	--
MW-6	9/1/09	3806.08	84.83	--	--	3721.25	--
MW-6	12/18/09	3806.08	82.75	--	--	3723.33	--
MW-6	3/4/10	3806.08	81.86	--	--	3724.22	--
MW-6	5/25/10	3806.08	82.65	--	--	3723.43	--
MW-6	8/30/10	3806.08	92.36	--	--	3713.72	--
MW-6	11/11/10	3806.08	82.75	--	--	3723.33	--
MW-6	3/22/11	3806.08	85.64	--	--	3720.44	--
MW-6	5/27/11	3806.08	87.34	--	--	3718.74	--
MW-6	8/24/11	3806.08	89.70	--	--	3716.38	--
MW-6	11/9/11	3806.08	88.40	--	--	3717.68	--
MW-6	2/6/12	3806.08	86.00	--	--	3720.08	--
MW-6	5/23/12	3806.08	89.58	--	--	3716.50	--
MW-6	8/28/12	3806.08	89.40	--	--	3716.68	--
MW-6	11/27/12	3806.08	89.02	--	--	3717.06	--
MW-6	2/22/13	3806.08	87.40	--	--	3718.68	--
MW-6	5/23/13	3806.08	89.60	--	--	3716.48	--
MW-6	8/21/13	3806.08	Dry	--	--	--	--
MW-6	11/8/13	3806.08	91.45	--	--	3714.63	--
MW-6	2/13/14	3806.08	87.52	--	--	3718.56	--
MW-6	5/9/14	3806.08	89.28	--	--	3716.80	--
MW-6	8/7/14	3806.08	92.21	--	--	3713.87	--
MW-6	11/17/14	3806.08	90.63	--	--	3715.45	--
MW-6	3/18/15	3806.08	89.91	--	--	3716.17	--
MW-6	5/12/15	3806.08	89.88	--	--	3716.20	--

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-6	9/9/15	3806.08	92.60	--	--	3713.48	--
MW-6	11/24/15	3806.08	90.94	--	--	3715.14	--
MW-6	2/18/16	3806.08	89.80	--	--	3716.28	--
MW-6	6/22/16	3806.08	Dry	--	--	--	--
MW-6	9/6/16	3806.08	Dry	--	--	--	--
MW-6	10/11/16	3806.08	91.95	--	--	3714.13	92.64
MW-6	12/13/16	3806.08	91.03	--	--	3715.05	92.64
MW-6	4/5/17	3806.08	Dry	--	--	--	92.64
MW-6	6/21/17	3806.08	Dry	--	--	--	92.65
MW-6	9/25/17	3806.08	Dry	--	--	--	92.69
MW-6	11/28/17	3806.08	92.62	--	--	3713.46	93.01
MW-6	2/23/18	3806.08	Dry	--	--	--	92.79
MW-6	5/24/18	3806.08	Dry	--	--	--	92.69
MW-6	8/23/18	3806.08	Dry	--	--	--	92.65
MW-6	11/16/18	3806.08	Dry	--	--	--	92.68
MW-6	2/18/19	3806.08	Dry	--	--	--	92.64
MW-6	5/21/19	3806.08	Dry	--	--	--	--
MW-6	8/23/19	3806.08	Dry	--	--	--	--
MW-6	10/17/19	3806.08	Dry	--	--	--	92.78
MW-7	12/28/06	3806.05	78.40	--	--	3727.65	--
MW-7	3/16/07	3806.05	79.35	--	--	3726.70	--
MW-7	5/31/07	3806.05	78.71	--	--	3727.34	--
MW-7	9/25/07	3806.05	80.09	--	--	3725.96	--
MW-7	11/30/07	3806.05	79.80	--	--	3726.25	--
MW-7	3/11/08	3806.05	80.32	--	--	3725.73	--
MW-7	6/14/08	3806.05	81.19	--	--	3724.86	--
MW-7	9/17/08	3806.05	81.08	--	--	3724.97	--
MW-7	12/2/08	3806.05	80.70	--	--	3725.35	--
MW-7	3/3/09	3806.05	81.75	--	--	3724.30	--
MW-7	6/18/09	3806.05	83.63	--	--	3722.42	--
MW-7	9/1/09	3806.05	84.91	--	--	3721.14	--
MW-7	12/18/09	3806.05	83.16	--	--	3722.89	--
MW-7	3/4/10	3806.05	82.25	--	--	3723.80	--
MW-7	5/25/10	3806.05	83.10	--	--	3722.95	--
MW-7	8/30/10	3806.05	86.80	--	--	3719.25	--
MW-7	11/11/10	3806.05	83.16	--	--	3722.89	--
MW-7	3/22/11	3806.05	86.33	--	--	3719.72	--
MW-7	5/27/11	3806.05	87.93	--	--	3718.12	--
MW-7	8/24/11	3806.05	90.30	--	--	3715.75	--
MW-7	11/9/11	3806.05	88.00	--	--	3718.05	--
MW-7	2/6/12	3806.05	86.35	--	--	3719.70	--
MW-7	5/23/12	3806.05	89.25	--	--	3716.80	--
MW-7	8/28/12	3806.05	89.90	--	--	3716.15	--
MW-7	11/27/12	3806.05	89.51	--	--	3716.54	--
MW-7	2/22/13	3806.05	87.81	--	--	3718.24	--
MW-7	5/23/13	3806.05	89.99	--	--	3716.06	--
MW-7	8/21/13	3806.05	92.15	--	--	3713.90	--
MW-7	11/8/13	3806.05	92.17	--	--	3713.88	--
MW-7	2/13/14	3806.05	88.25	--	--	3717.80	--
MW-7	5/9/14	3806.05	89.71	--	--	3716.34	--
MW-7	8/7/14	3806.05	92.87	--	--	3713.18	--
MW-7	11/17/14	3806.05	91.03	--	--	3715.02	--
MW-7	3/18/15	3806.05	90.52	--	--	3715.53	--
MW-7	5/12/15	3806.05	90.29	--	--	3715.76	--
MW-7	9/9/15	3806.05	92.87	--	--	3713.18	--
MW-7	11/24/15	3806.05	--	--	--	--	--
MW-7	2/18/16	3806.05	90.20	--	--	3715.85	--
MW-7	6/22/16	3806.05	93.22	--	--	3712.83	--
MW-7	9/6/16	3806.05	93.90	--	--	3712.15	--
MW-7	10/11/16	3806.05	92.33	--	--	3713.72	109.39
MW-7	12/13/16	3806.05	91.43	--	--	3714.62	109.39
MW-7	4/5/17	3806.05	93.73	--	--	3712.32	109.39

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-7	6/21/17	3806.05	94.33	--	--	3711.72	109.38
MW-7	9/25/17	3806.05	94.42	--	--	3711.63	109.55
MW-7	11/28/17	3806.05	93.06	--	--	3712.99	109.55
MW-7	2/23/18	3806.05	93.18	--	--	3712.87	109.35
MW-7	5/24/18	3806.05	95.32	--	--	3710.73	109.43
MW-7	8/23/18	3806.05	97.63	--	--	3708.42	109.35
MW-7	11/16/18	3806.05	95.72	--	--	3710.33	109.23
MW-7	2/18/19	3806.05	94.85	--	--	3711.20	109.22
MW-7	5/21/19	3806.05	95.48	--	--	3710.57	--
MW-7	8/23/19	3806.05	97.90	--	--	3708.15	--
MW-7	10/17/19	3806.05	95.81	--	--	3710.24	--
MW-8	3/16/07	3805.89	78.78	--	--	3727.11	--
MW-8	5/31/07	3805.89	78.64	--	--	3727.25	--
MW-8	9/25/07	3805.89	80.03	--	--	3725.86	--
MW-8	11/30/07	3805.89	79.70	--	--	3726.19	--
MW-8	3/11/08	3805.89	80.16	--	--	3725.73	--
MW-8	6/14/08	3805.89	82.38	--	--	3723.51	--
MW-8	9/17/08	3805.89	80.97	--	--	3724.92	--
MW-8	12/2/08	3805.89	80.58	--	--	3725.31	--
MW-8	3/3/09	3805.89	81.79	--	--	3724.10	--
MW-8	6/18/09	3805.89	83.79	--	--	3722.10	--
MW-8	9/1/09	3805.89	84.98	--	--	3720.91	--
MW-8	12/18/09	3805.89	82.59	--	--	3723.30	--
MW-8	3/4/10	3805.89	81.71	--	--	3724.18	--
MW-8	5/25/10	3805.89	82.59	--	--	3723.30	--
MW-8	8/30/10	3805.89	86.58	--	--	3719.31	--
MW-8	11/11/10	3805.89	82.59	--	--	3723.30	--
MW-8	3/22/11	3805.89	86.11	--	--	3719.78	--
MW-8	5/27/11	3805.89	87.68	--	--	3718.21	--
MW-8	8/24/11	3805.89	90.20	--	--	3715.69	--
MW-8	11/9/11	3805.89	88.36	--	--	3717.53	--
MW-8	2/6/12	3805.89	85.80	--	--	3720.09	--
MW-8	5/23/12	3805.89	88.78	--	--	3717.11	--
MW-8	8/28/12	3805.89	89.99	--	--	3715.90	--
MW-8	11/27/12	3805.89	89.07	--	--	3716.82	--
MW-8	2/22/13	3805.89	87.32	--	--	3718.57	--
MW-8	5/23/13	3805.89	89.55	--	--	3716.34	--
MW-8	8/21/13	3805.89	89.82	--	--	3716.07	--
MW-8	2/13/14	3805.89	87.87	--	--	3718.02	--
MW-8	5/9/14	3805.89	89.28	--	--	3716.61	--
MW-8	8/7/14	3805.89	92.72	--	--	3713.17	--
MW-8	11/17/14	3805.89	90.51	--	--	3715.38	--
MW-8	3/18/15	3805.89	90.13	--	--	3715.76	--
MW-8	5/12/15	3805.89	90.78	--	--	3715.11	--
MW-8	9/9/15	3805.89	92.87	--	--	3713.02	--
MW-8	11/24/15	3805.89	Dry	--	--	--	--
MW-8	2/18/16	3805.89	89.70	--	--	3716.19	--
MW-8	6/22/16	3805.89	92.99	--	--	3712.90	--
MW-8	9/6/16	3805.89	Dry	--	--	--	--
MW-8	10/11/16	3805.89	91.81	--	--	3714.08	94.88
MW-8	12/13/16	3805.89	90.88	--	--	3715.01	94.88
MW-8	4/5/17	3805.89	93.50	--	--	3712.39	94.88
MW-8	6/21/17	3805.89	94.07	--	--	3711.82	94.88
MW-8	9/25/17	3805.89	94.00	--	--	3711.89	94.95
MW-8	11/28/17	3805.89	92.56	--	--	3713.33	94.95
MW-8	2/23/18	3805.89	92.69	--	--	3713.20	94.84
MW-8	5/24/18	3805.89	Dry	--	--	--	94.92
MW-8	8/23/18	3805.89	Dry	--	--	--	94.90
MW-8	11/16/18	3805.89	Dry	--	--	--	94.88
MW-8	2/18/19	3805.89	Dry	--	--	--	94.87
MW-8	5/21/19	3805.89	Dry	--	--	--	--
MW-8	8/23/19	3805.89	Dry	--	--	--	--

Table 1b

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Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-8	10/17/19	3805.89	Dry	--	--	--	94.86
MW-9	9/25/07	3806.02	80.38	--	--	3725.64	--
MW-9	11/30/07	3806.02	79.89	--	--	3726.13	--
MW-9	3/11/08	3806.02	80.69	--	--	3725.33	--
MW-9	6/14/08	3806.02	83.11	--	--	3722.91	--
MW-9	9/17/08	3806.02	81.19	--	--	3724.83	--
MW-9	12/2/08	3806.02	80.81	--	--	3725.21	--
MW-9	3/3/09	3806.02	82.29	--	--	3723.73	--
MW-9	6/18/09	3806.02	84.45	--	--	3721.57	--
MW-9	9/1/09	3806.02	85.61	--	--	3720.41	--
MW-9	10/5/09	3806.02	84.59	--	--	3721.43	--
MW-9	12/18/09	3806.02	82.90	--	--	3723.12	--
MW-9	3/4/10	3806.02	81.96	--	--	3724.06	--
MW-9	5/25/10	3806.02	83.08	--	--	3722.94	--
MW-9	8/30/10	3806.02	87.62	--	--	3718.40	--
MW-9	11/11/10	3806.02	84.59	--	--	3721.43	--
MW-9	3/22/11	3806.02	87.01	--	--	3719.01	--
MW-9	5/27/11	3806.02	88.61	--	--	3717.41	--
MW-9	8/24/11	3806.02	91.30	--	--	3714.72	--
MW-9	11/9/11	3806.02	89.15	--	--	3716.87	--
MW-9	12/14/11	3806.02	91.25	--	--	3714.77	--
MW-9	1/5/12	3806.02	86.26	--	--	3719.76	--
MW-9	2/6/12	3806.02	86.20	--	--	3719.82	--
MW-9	3/1/12	3806.02	86.40	--	--	3719.62	--
MW-9	4/18/12	3806.02	87.68	--	--	3718.34	--
MW-9	5/23/12	3806.02	88.82	--	--	3717.20	--
MW-9	6/19/12	3806.02	87.75	--	--	3718.27	--
MW-9	7/30/12	3806.02	89.92	--	--	3716.10	--
MW-9	8/28/12	3806.02	92.34	--	--	3713.68	--
MW-9	9/11/12	3806.02	89.57	--	--	3716.45	--
MW-9	10/31/12	3806.02	89.71	--	--	3716.31	--
MW-9	11/27/12	3806.02	89.13	--	--	3716.89	--
MW-9	12/19/12	3806.02	89.30	--	--	3716.72	--
MW-9	1/30/13	3806.02	87.58	--	--	3718.44	--
MW-9	2/22/13	3806.02	87.68	--	--	3718.34	--
MW-9	3/27/13	3806.02	87.69	--	--	3718.33	--
MW-9	4/9/13	3806.02	91.08	--	--	3714.94	--
MW-9	5/29/13	3806.02	90.03	--	--	3715.99	--
MW-9	6/25/13	3806.02	90.76	--	--	3715.26	--
MW-9	7/16/13	3806.02	92.21	--	--	3713.81	--
MW-9	8/21/13	3806.02	91.83	--	--	3714.19	--
MW-9	9/19/13	3806.02	91.96	--	--	3714.06	--
MW-9	10/23/13	3806.02	90.14	--	--	3715.88	--
MW-9	2/13/14	3806.02	92.19	--	--	3713.83	--
MW-9	5/9/14	3806.02	89.66	--	--	3716.36	--
MW-9	8/7/14	3806.02	93.79	--	--	3712.23	--
MW-9	11/17/14	3806.02	90.92	--	--	3715.10	--
MW-9	3/18/15	3806.02	90.80	--	--	3715.22	--
MW-9	5/12/15	3806.02	90.11	--	--	3715.91	--
MW-9	8/11/15	3806.02	95.15	--	--	3710.87	--
MW-9	11/24/15	3806.02	91.50	--	--	3714.52	--
MW-9	2/18/16	3806.02	90.10	--	--	3715.92	--
MW-9	6/22/16	3806.02	93.92	--	--	3712.10	--
MW-9	9/6/16	3806.02	93.95	--	--	3712.07	--
MW-9	10/11/16	3806.02	92.21	--	--	3713.81	108.67
MW-9	12/13/16	3806.02	91.17	--	--	3714.85	108.67
MW-9	4/5/17	3806.02	94.53	--	--	3711.49	108.67
MW-9	6/21/17	3806.02	95.02	--	--	3711.00	108.70
MW-9	9/25/17	3806.02	94.55	--	--	3711.47	108.65
MW-9	11/28/17	3806.02	92.88	--	--	3713.14	108.65
MW-9	2/23/18	3806.02	93.13	--	--	3712.89	108.64
MW-9	5/24/18	3806.02	95.65	--	--	3710.37	108.65

Table 1b

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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)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-9	8/23/18	3806.02	98.65	--	--	3707.37	108.60
MW-9	11/16/18	3806.02	96.28	--	--	3709.74	108.60
MW-9	2/18/19	3806.02	95.13	--	--	3710.89	108.45
MW-9	5/21/19	3806.02	95.70	--	--	3710.32	--
MW-9	8/23/19	3806.02	98.50	--	--	3707.52	--
MW-9	10/17/19	3806.02	95.59	--	--	3710.43	--
MW-10	11/2/09	3806.08	82.99	--	--	3723.09	--
MW-10	12/18/09	3806.08	82.94	--	--	3723.14	--
MW-10	3/4/10	3806.08	82.03	--	--	3724.05	--
MW-10	5/25/10	3806.08	83.44	--	--	3722.64	--
MW-10	8/30/10	3806.08	90.15	--	--	3715.93	--
MW-10	11/11/10	3806.08	83.44	--	--	3722.64	--
MW-10	3/22/11	3806.08	89.55	--	--	3716.53	--
MW-10	5/27/11	3806.08	91.22	--	--	3714.86	--
MW-10	8/24/11	3806.08	94.20	--	--	3711.88	--
MW-10	10/10/11	3806.08	91.40	--	--	3714.68	--
MW-10	10/31/11	3806.08	91.65	--	--	3714.43	--
MW-10	11/9/11	3806.08	90.85	--	--	3715.23	--
MW-10	12/14/11	3806.08	91.60	--	--	3714.48	--
MW-10	1/5/12	3806.08	86.30	--	--	3719.78	--
MW-10	2/6/12	3806.08	90.10	--	--	3715.98	--
MW-10	3/1/12	3806.08	90.25	--	--	3715.83	--
MW-10	4/18/12	3806.08	88.82	--	--	3717.26	--
MW-10	5/23/12	3806.08	91.55	--	--	3714.53	--
MW-10	6/19/12	3806.08	86.75	--	--	3719.33	--
MW-10	7/30/12	3806.08	Dry	--	--	--	--
MW-10	8/28/12	3806.08	94.98	--	--	3711.10	--
MW-10	9/11/12	3806.08	93.72	--	--	3712.36	--
MW-10	10/31/12	3806.08	90.25	--	--	3715.83	--
MW-10	11/27/12	3806.08	90.84	--	--	3715.24	--
MW-10	12/19/12	3806.08	91.10	--	--	3714.98	--
MW-10	1/30/13	3806.08	87.67	--	--	3718.41	--
MW-10	2/22/13	3806.08	89.99	--	--	3716.09	--
MW-10	3/27/13	3806.08	89.91	--	--	3716.17	--
MW-10	4/9/13	3806.08	93.48	--	--	3712.60	--
MW-10	5/23/13	3806.08	90.14	--	--	3715.94	--
MW-10	6/25/13	3806.08	92.77	--	--	3713.31	--
MW-10	7/16/13	3806.08	92.75	--	--	3713.33	--
MW-10	8/21/13	3806.08	Dry	--	--	--	--
MW-10	9/19/13	3806.08	Dry	--	--	--	--
MW-10	10/23/13	3806.08	89.91	--	--	3716.17	--
MW-10	2/13/14	3806.08	89.00	--	--	3717.08	--
MW-10	5/9/14	3806.08	90.12	--	--	3715.96	--
MW-10	8/7/14	3806.08	Dry	--	--	--	--
MW-10	11/17/14	3806.08	91.20	--	--	3714.88	--
MW-10	3/18/15	3806.08	92.73	--	--	3713.35	--
MW-10	5/12/15	3806.08	90.24	--	--	3715.84	--
MW-10	9/9/15	3806.08	94.82	--	--	3711.26	--
MW-10	11/24/15	3806.08	92.24	--	--	3713.84	--
MW-10	2/18/16	3806.08	90.40	--	--	3715.68	--
MW-10	6/22/16	3806.08	Dry	--	--	--	--
MW-10	9/6/16	3806.08	90.40	--	--	3715.68	--
MW-10	10/11/16	3806.08	92.53	--	--	3713.55	95.87
MW-10	12/13/16	3806.08	91.28	--	--	3714.80	95.87
MW-10	4/5/17	3806.08	Dry	--	--	--	95.69
MW-10	6/21/17	3806.08	Dry	--	--	--	95.66
MW-10	9/25/17	3806.08	95.44	--	--	3710.64	95.76
MW-10	11/28/17	3806.08	93.06	--	--	3713.02	95.79
MW-10	2/23/18	3806.08	93.45	--	--	3712.63	95.73
MW-10	5/24/18	3806.08	Dry	--	--	--	95.79
MW-10	8/23/18	3806.08	Dry	--	--	--	95.75
MW-10	11/16/18	3806.08	Dry	--	--	--	95.73

Table 1b

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MW-10	2/18/19	3806.08	Dry	--	--	--	95.71
MW-10	5/21/19	3806.08	Dry	--	--	--	--
MW-10	8/23/19	3806.08	Dry	--	--	--	--
MW-10	10/17/19	3806.08	Dry	--	--	--	95.70
MW-10	12/12/13	P&A					
MW-11	11/16/18	3805.88	98.80	--	--	3707.08	110.05
MW-11	2/18/19	3805.88	97.72	--	--	3708.16	110.15
MW-11	5/21/19	3805.88	97.20	--	--	3708.68	--
MW-11	8/23/19	3805.88	101.02	--	--	3704.86	--
MW-11	10/17/19	3805.88	95.53	--	--	3710.35	--
MW-12	11/16/18	3806.04	96.95	--	--	3709.09	110.07
MW-12	2/18/19	3806.04	95.93	--	--	3710.11	110.04
MW-12	5/21/19	3806.04	96.23	--	--	3709.81	--
MW-12	8/23/19	3806.04	99.53	--	--	3706.51	--
MW-12	10/17/19	3806.04	95.73	--	--	3710.31	--

Notes:

1. Monitoring well gauging data listed prior to October 2016 were reported by Basin Environmental Service Technologies, LLC
2. NAVD88 - North American Vertical Datum of 1988
3. BTOC - Below Top-Of-Casing
4. -- = No gauging data collected on corresponding date
5. Dry - No fluid column measured in corresponding monitoring well

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
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Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-1R	2/21/20		**0.170**	<0.00206	<0.000800	<0.00255
MW-1R	5/21/20		**0.513**	<0.000412	<0.000160	<0.000720
MW-1R	9/3/20		**0.162**	**0.000813 J**	<0.000160	**0.000787 J**
MW-1R	11/5/20		**0.458**	<0.00412	<0.00160	<0.00510
MW-1R	2/3/21		**0.00131**	<0.000412	<0.000160	<0.000510
MW-1R	2/3/21	**DUP**	**0.00104**	<0.000412	<0.000160	<0.000510
MW-1R	3/19/21		**0.138**	<0.000412	<0.000160	**0.00593 J**
MW-1R	5/5/21		**0.0956**	<0.000412	<0.000160	<0.000510
MW-1R	8/4/21		**0.0702**	<0.000412	<0.000160	**0.00713 J**
MW-1R	11/2/21		**0.0570**	<0.000412	<0.000160	<0.000510
MW-1R	2/8/22		**0.0141**	<0.000412	<0.000160	<0.000510
MW-1R	5/11/22		**0.00224**	<0.000412	<0.000160	<0.000510
MW-1R	8/10/22		**0.00371**	<0.000412	<0.000160	<0.000510
MW-1R	11/21/22		**0.00460**	<0.000412	<0.000160	<0.000510
MW-1R	2/16/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-1R	4/26/23		**0.000333 J**	<0.00100	<0.000500	<0.00150
MW-1R	7/25/23		**0.000263 J**	<0.00100	<0.000500	<0.00150
MW-1R	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-2R	2/21/20		**0.0969**	<0.000412	<0.000160	**0.000801 J**
MW-2R	5/21/20		**0.0987**	<0.000412	<0.000160	<0.000510
MW-2R	9/3/20		**0.0773**	<0.000412	<0.000160	<0.000510
MW-2R	11/5/20		**0.0924**	<0.000412	<0.000160	<0.000510
MW-2R	2/3/21		**1.42**	<0.000412	<0.000160	<0.000510
MW-2R	3/19/21		**0.0877**	<0.000412	<0.000160	<0.000510
MW-2R	5/5/21		**0.132**	<0.000412	<0.000160	<0.000510
MW-2R	8/4/21		**0.0388**	<0.000412	<0.000160	<0.000510
MW-2R	11/2/21		**0.00691**	<0.000412	<0.000160	<0.000510
MW-2R	2/8/22		**0.0403**	<0.000412	<0.000160	<0.000510
MW-2R	5/11/22		**0.117**	<0.000412	<0.000160	<0.000510
MW-2R	8/10/22		**0.0468**	<0.000412	<0.000160	**0.00149 J**
MW-2R	11/21/22		**0.0280**	<0.000412	<0.000160	<0.000510
MW-2R	2/16/23		**0.000746**	<0.000412	<0.000160	<0.000510
MW-2R	4/26/23		**0.0112**	<0.00100	<0.000500	<0.00150
MW-2R	7/25/23		**0.00502**	<0.00100	<0.000500	<0.00150
MW-2R	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-3R	2/21/20		**0.0114**	<0.000412	**0.000698**	**0.000937 J**
MW-3R	5/21/20		**0.000684**	<0.000412	<0.000160	<0.000510
MW-3R	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/5/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/5/20	**DUP**	<0.000190	<0.000412	**0.000364 J**	**0.00112 J**
MW-3R	2/3/21		**0.000235 J**	<0.000412	<0.000160	<0.000510
MW-3R	3/18/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/5/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	8/4/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	2/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	5/11/22		<0.000190	<0.000412	**0.00563**	**0.000615 J**
MW-3R	8/10/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/21/22		**0.0642**	<0.000412	<0.000160	<0.000510
MW-3R	2/16/23		**0.00935**	<0.000412	<0.000160	<0.000510
MW-3R	4/26/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-3R	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-3R	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-4R	2/21/20		**1.04**	<0.00412	<0.00160	**0.0119 J**
MW-4R	5/21/20		**0.918**	<0.000412	<0.000160	**0.00132 J**
MW-4R	9/3/20		**1.58 J6**	<0.000412	<0.000160	<0.000510
MW-4R	11/5/20		**2.43**	<0.00824	<0.00320	<0.0102
MW-4R	2/3/21		**0.000935**	<0.000412	<0.000160	<0.000510

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	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	3/19/21		**1.07**	<0.000412	<0.000160	**0.00821 J**
MW-4R	3/18/21	**DUP**	**0.961**	<0.000412	<0.000160	**0.000588 J**
MW-4R	5/5/21		**1.31**	<0.000412	<0.000160	<0.000510
MW-4R	5/5/21	**DUP**	**1.36**	<0.000412	<0.000160	<0.000510
MW-4R	8/4/21		**1.61**	<0.000412	<0.000160	<0.000510
MW-4R	8/4/21	**DUP**	**1.61**	<0.000412	<0.000160	<0.000510
MW-4R	11/2/21		**1.48**	<0.00412	<0.00160	<0.00510
MW-4R	11/2/21	**DUP**	**1.54**	<0.000412	<0.000160	**0.00571**
MW-4R	2/8/22		**0.505**	<0.00412	<0.00160	<0.00510
MW-4R	2/8/22	**DUP**	**0.489**	<0.00412	<0.00160	<0.00510
MW-4R	5/11/22		**0.675**	<0.00412	**0.000424 J**	<0.00510
MW-4R	8/10/22		**0.115**	<0.00412	<0.00160	<0.00510
MW-4R	11/21/22		**0.276**	<0.00412	<0.00160	<0.00510
MW-4R	2/16/23		**0.0131**	<0.00412	<0.00160	<0.00510
MW-4R	4/26/23		**0.0510**	<0.00100	<0.000500	<0.00150
MW-4R	7/28/23		<0.0100	<0.0200	<0.0100	<0.0300
MW-4R	10/31/23		**0.00815**	<0.00100	<0.000500	<0.00150
MW-5R	2/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/21/20	**DUP**	<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/5/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	3/18/21		<0.000190	<0.000412	<0.000160	**0.000788 J**
MW-5R	5/4/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	8/4/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	5/11/22		<0.000190	<0.000412	**0.000489 J**	**0.000780 J**
MW-5R	8/10/22		**0.0698**	<0.000412	<0.000160	<0.000510
MW-5R	11/21/22		**0.3870**	**0.00217**	**0.002120**	**0.000874 J**
MW-5R	2/16/23		**0.772**	<0.000412	<0.000160	<0.000510
MW-5R	4/26/23		**0.0392**	<0.00100	<0.000500	<0.00150
MW-5R	7/25/23		**0.0313**	<0.00100	<0.000500	<0.00150
MW-5R	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-6	2/21/20		Dry	--	--	--
MW-6	5/21/20		Dry	--	--	--
MW-6	9/3/20		Dry	--	--	--
MW-6	11/5/20		Dry	--	--	--
MW-6	2/3/21		Dry	--	--	--
MW-6	3/18/21		Dry	--	--	--
MW-6	5/4/21		Dry	--	--	--
MW-6	8/4/21		Dry	--	--	--
MW-6	11/21/21		Dry	--	--	--
MW-7	2/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/5/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	3/18/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/4/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	8/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/7/22		**0.000266 J**	<0.000412	<0.000160	<0.000510
MW-7	5/11/22		<0.000190	<0.000412	**0.000411 J**	<0.000510
MW-7	8/10/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	11/21/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/16/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	4/26/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-7	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	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	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-8	2/21/20		Dry	--	--	--
MW-8	5/21/20		Dry	--	--	--
MW-8	9/3/20		Dry	--	--	--
MW-8	11/5/20		Dry	--	--	--
MW-8	2/3/21		Dry	--	--	--
MW-8	3/18/21		Dry	--	--	--
MW-8	5/4/21		Dry	--	--	--
MW-8	8/4/21		Dry	--	--	--
MW-8	11/21/21		Dry	--	--	--
MW-9	2/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/5/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	3/18/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/5/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	8/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/7/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/11/22		**0.000249 J**	<0.000412	<0.000160	<0.000510
MW-9	8/10/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/21/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/16/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	4/26/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-9	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-9	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-10	2/21/20		Dry	--	--	--
MW-10	5/21/20		Dry	--	--	--
MW-10	9/3/20		Dry	--	--	--
MW-10	11/5/20		Dry	--	--	--
MW-10	2/3/21		Dry	--	--	--
MW-10	3/18/21		Dry	--	--	--
MW-10	5/4/21		Dry	--	--	--
MW-10	8/3/21		Dry	--	--	--
MW-10	2/7/22		Dry	--	--	--
MW-10	5/10/22		Dry	--	--	--
MW-10	8/9/22		Dry	--	--	--
MW-10	11/21/22		Dry	--	--	--
MW-10	2/16/23		Dry	--	--	--
MW-11	2/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/21/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/5/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/3/21		**0.381**	<0.000412	<0.000160	<0.000510
MW-11	2/24/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	3/18/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/5/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	8/3/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/7/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/11/22		<0.000190	<0.000412	**0.000409 J**	<0.000510
MW-11	8/10/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/21/22		**0.000212 J**	<0.000412	<0.000160	<0.000510
MW-11	2/16/23		**0.165**	**0.718**	<0.0400	**0.736**
MW-11	4/26/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-11	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-11	10/31/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-12	2/21/20		**0.931**	<0.000412	<0.000160	**0.00269 J**
MW-12	2/21/20	**DUP**	**0.124**	<0.000412	<0.000160	**0.000625 J**
MW-12	5/21/20		**0.599**	<0.000412	<0.000160	**0.00160**

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-12	5/21/20	**DUP**	**0.583**	<0.000412	<0.000160	**0.00113**
MW-12	9/3/20		**0.336**	**0.00488 J**	<0.000160	**0.00609 J**
MW-12	11/5/20		**1.28**	<0.00412	<0.00160	<0.00510
MW-12	2/3/21		**0.00464**	<0.000412	<0.000160	<0.000510
MW-12	3/18/21		**0.355**	<0.000412	<0.000160	**0.00284 J**
MW-12	5/5/21		**0.880**	<0.000412	<0.000160	<0.000510
MW-12	8/3/21		**0.105**	<0.000412	<0.000160	**0.000783 J**
MW-12	11/2/21		**0.233**	<0.000412	<0.000160	<0.000510
MW-12	2/7/22		**0.391**	<0.000412	**0.000162 J**	**0.00103 J**
MW-12	5/11/22		**0.291**	<0.000412	**0.000406 J**	<0.000510
MW-12	9/13/22		**0.137**	<0.000412	<0.000160	<0.000510
MW-12	11/21/22		**0.632**	<0.000412	<0.000160	<0.000510
MW-12	11/21/22	**DUP**	**0.475**	<0.000412	<0.000160	<0.000510
MW-12	2/16/23		**0.395**	<0.000412	<0.000160	<0.000510
MW-12	2/16/23	**DUP**	**0.520**	<0.000412	<0.000160	<0.000510
MW-12	4/26/23		**1.26**	<0.00100	<0.000500	<0.00150
MW-12	4/26/23	**DUP**	**1.29**	<0.00100	<0.000500	<0.00150
MW-12	7/25/23		**1.32**	<0.0200	<0.0100	<0.0300
MW-12	7/25/23	**DUP**	**1.36**	<0.00100	<0.000500	<0.00150
MW-12	10/31/23		**0.865**	<0.0200	<0.0100	<0.0300
MW-12	10/31/23	**DUP**	**0.835**	<0.0200	<0.0100	<0.0300
Goff Dairy Well	4/1/20		<0.000190	<0.000412	<0.000160	**0.000850 J**
Goff Dairy Well	7/2/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	9/3/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	11/5/20		Off	--	--	--
Goff Dairy Well	3/18/21		Off	--	--	--
Goff Dairy Well	6/11/21		**0.000795**	<0.000412	<0.000160	<0.000510
Goff Dairy Well	8/4/21		Off	--	--	--
Goff Dairy Well	11/1/21		**0.000452 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Well	8/9/22		**0.000498 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Well	11/21/22		Off	--	--	--
Goff Dairy Well	2/16/23		Off	--	--	--
Goff Dairy Well	4/26/23		**0.000680**	<0.00100	<0.000500	<0.00150
Goff Dairy Well	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy - Ctr. Pivot Well	3/26/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	7/2/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	9/24/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	11/5/20		Off	--	--	--
Goff Dairy - Ctr. Pivot Well	3/18/21		Off	--	--	--
Goff Dairy - Ctr. Pivot Well	6/11/21		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	8/4/21		Off	--	--	--
Goff Dairy - Ctr. Pivot Well	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	2/21/22		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	8/9/22		**0.000216 J**	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot Well	11/21/22		Off	--	--	--
Goff Dairy - Ctr. Pivot Well	2/16/23		Off	--	--	--
Goff Dairy-Ctr. Pivot Well	4/26/23		**0.000217 J**	<0.00100	<0.000500	<0.00150
Goff Dairy-Ctr. Pivot Well	7/25/23		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot Beg.	3/26/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	7/2/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	9/24/20		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	11/5/20		Off	--	--	--
Goff Dairy Ctr. Pivot Beg.	3/18/21		Off	--	--	--
Goff Dairy Ctr. Pivot Beg.	6/11/21		**0.000347 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	8/4/21		Off	--	--	--
Goff Dairy Ctr. Pivot Beg.	11/1/21		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	2/21/22		**0.000355 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	8/9/22		**0.000219 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot Beg.	11/21/22		Off	--	--	--
Goff Dairy Ctr. Pivot Beg.	2/16/23		Off	--	--	--
Goff Dairy Ctr. Pivot Beg.	4/26/23		**0.000206 J**	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot End	3/26/20		<0.000190	<0.000412	<0.000160	<0.000510

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	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	10/5/06		<0.0010	<0.0010	<0.0010	<0.0010
MW-1	12/28/06		<0.0010	<0.0010	<0.0010	**0.002**
MW-1	3/16/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-1	5/31/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-1	9/25/07		<0.0010	<0.0010	<0.0010	<0.0020
MW-1	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	6/14/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	9/17/08		**0.02**	<0.0020	<0.0010	<0.0020
MW-1	12/2/08		**0.035**	<0.0020	<0.0010	<0.0020
MW-1	3/3/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	6/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	9/1/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	3/4/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	5/25/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	8/30/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	11/11/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	3/22/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	5/27/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-1	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-1	2/26/14		**0.047**	<0.0020	<0.0010	<0.0020
MW-1	8/7/14		**0.026**	<0.0020	<0.0010	<0.0020
MW-1	3/18/15		**0.328**	<0.0020	<0.0010	**0.00209**
MW-1	9/9/15		NSC	--	--	--
MW-1	12/2/15		Dry	--	--	--
MW-1	2/18/16		**0.1070**	<0.00200	<0.00100	<0.00100
MW-1	9/6/16		Dry			
MW-1	10/11/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-1	12/13/16		**0.00892**	<0.00200	<0.00200	<0.00200
MW-1	4/5/17		Dry	--	--	--
MW-1	6/21/17		Dry	--	--	--
MW-1	9/25/17		Dry	--	--	--
MW-1	11/28/17		Dry	--	--	--
MW-1	2/23/18		Dry	--	--	--
MW-1	5/25/18		Dry	--	--	--
MW-1	8/29/18		Dry	--	--	--
MW-1	9/17/18		P&A	--	--	--

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-1R	11/16/18		**0.425**	<0.000412	<0.000160	**0.000760 J**
MW-1R	2/19/19		**0.243**	<0.000412	<0.000160	<0.000510
MW-1R	5/22/19		**0.0594**	<0.000412	<0.000160	<0.000510
MW-1R	8/23/19		**0.709**	<0.000412	<0.000160	**0.00640 J**
MW-1R	10/18/19		**0.530**	<0.00206	<0.000800	<0.00255
MW-2	10/5/06		**0.010**	<0.0010	<0.0010	<0.0010
MW-2	12/28/06		**0.1610**	<0.0010	<0.0010	**0.024**
MW-2	3/16/07		**0.154**	<0.0010	<0.0010	**0.015**
MW-2	5/31/07		**0.0050**	<0.0010	<0.0010	<0.0010
MW-2	9/25/07		**0.0500**	<0.0010	<0.0010	**0.003**
MW-2	11/30/07		**0.9280**	<0.0010	<0.005	**0.036**
MW-2	3/11/08		**0.0950**	<0.0020	<0.0010	**0.00320**
MW-2	6/14/08		**0.0030**	<0.0020	<0.0010	<0.0020
MW-2	9/17/08		**0.1590**	<0.0020	<0.0010	**0.00400**
MW-2	12/2/08		**0.0500**	**0.002**	<0.0010	**0.00800**
MW-2	3/3/09		**0.0356**	<0.0020	<0.0010	**0.00260**
MW-2	6/18/09		**0.0097**	<0.0020	<0.0010	<0.0020
MW-2	9/1/09		**0.0842**	<0.0020	<0.0010	**0.00830**
MW-2	12/18/09		**0.0129**	<0.0020	<0.0010	**0.0095**
MW-2	3/4/10		**0.0026**	<0.0020	<0.0010	<0.0020
MW-2	5/25/10		**0.0023**	<0.0020	<0.0010	<0.0020
MW-2	8/30/10		**0.0406**	<0.0020	<0.0010	**0.01320**
MW-2	11/11/10		**0.0087**	<0.0020	<0.0010	**0.09100**
MW-2	3/22/11		**0.0361**	<0.0020	<0.0010	**0.0616**
MW-2	5/27/11		**0.0022**	<0.0020	<0.0010	**0.00297**
MW-2	9/30/11		**0.179**	<0.0020	**0.00275**	**0.00557**
MW-2	11/9/11		Dry	--	--	--
MW-2	2/6/12		**0.00187**	<0.0020	<0.0010	**0.00314**
MW-2	5/23/12		Dry	--	--	--
MW-2	8/28/12		Dry	--	--	--
MW-2	11/27/12		Dry	--	--	--
MW-2	2/28/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-2	5/23/13		Dry	--	--	--
MW-2	8/21/13		Dry	--	--	--
MW-2	11/8/13		Dry	--	--	--
MW-2	2/13/14		NSC	--	--	--
MW-2	5/9/14		Dry	--	--	--
MW-2	8/7/14		Dry	--	--	--
MW-2	11/17/14		Dry	--	--	--
MW-2	3/18/15		Dry	--	--	--
MW-2	5/12/15		NSC	--	--	--
MW-2	8/11/15		Dry	--	--	--
MW-2	11/24/15		Dry	--	--	--
MW-2	2/18/16		Dry	--	--	--
MW-2	6/22/16		Dry	--	--	--
MW-2	9/6/16		Dry	--	--	--

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-2	10/11/16		Dry	--	--	--
MW-2	12/13/16		Dry	--	--	--
MW-2	4/5/17		Dry	--	--	--
MW-2	6/21/17		Dry	--	--	--
MW-2	9/25/17		Dry	--	--	--
MW-2	11/28/17		Dry	--	--	--
MW-2	2/23/18		Dry	--	--	--
MW-2	5/25/18		Dry	--	--	--
MW-2	8/29/18		Dry	--	--	--
MW-2	9/17/18		P&A	--	--	--
MW-2R	11/16/18		**0.163**	<0.000412	<0.000160	**0.00198**
MW-2R	2/19/19		**0.0944**	<0.000412	<0.000160	**0.00102 J**
MW-2R	5/22/19		**0.0124**	<0.000412	<0.000160	**0.00104 J**
MW-2R	8/23/19		**0.212**	<0.000412	<0.000160	**0.00102 J**
MW-2R	10/18/19		**0.223**	<0.000412	<0.000160	**0.000602 J**
MW-3	10/5/06		**6.60000**	<0.0010	<0.0010	**0.07200**
MW-3	12/28/06		**1.02000**	<0.0010	0.005	**0.02800**
MW-3	3/16/07		**1.48000**	<0.0010	**0.013**	**0.03400**
MW-3	5/31/07		**1.66000**	**0.01**	**0.034**	**0.04100**
MW-3	9/25/07		**0.49400**	**0.023**	**0.0200**	**0.021**
MW-3	11/30/07		**5.93**	**0.027**	**0.273**	**0.215**
MW-3	3/11/08		**1.159**	**0.107**	**0.177**	**0.205**
MW-3	6/14/08		**0.214**	**0.002**	**0.007**	**0.017**
MW-3	9/17/08		**0.026**	<0.0020	<0.0010	**0.002**
MW-3	12/2/08		**0.024**	<0.0020	<0.0010	**0.005**
MW-3	3/3/09		**1.367**	**0.0305**	**0.0251**	**0.0331**
MW-3	6/18/09		**0.0031**	<0.0020	<0.0010	<0.0020
MW-3	9/1/09		**0.0073**	**0.0033**	<0.0010	**0.0043**
MW-3	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-3	3/4/10		**0.0011**	<0.0020	<0.0010	<0.0020
MW-3	5/25/10		**0.0109**	**0.0033**	<0.0010	**0.0075**
MW-3	8/30/10		**0.0092**	**0.0036**	<0.0010	**0.0093**
MW-3	11/11/10		**0.0033**	<0.0020	<0.0010	**0.0036**
MW-3	3/22/11		**0.00904**	**0.00283**	<0.0010	**0.0119**
MW-3	5/27/11		**0.02050**	<0.0020	<0.0010	**0.00424**
MW-3	8/24/11		**0.02620**	**0.00333**	<0.0010	**0.0114**
MW-3	11/9/11		**0.00211**	<0.0020	<0.0010	**0.00345**
MW-3	2/6/12		**0.02140**	**0.00306**	**0.00126**	**0.011**
MW-3	5/23/12		**0.00929**	**0.00201**	<0.0010	**0.00845**
MW-3	8/28/12		**0.00747**	<0.0020	<0.0010	**0.00136**
MW-3	11/27/12		**0.01200**	**0.00284**	**0.00109**	**0.00962**
MW-3	2/22/13		**0.01120**	<0.0020	<0.0010	**0.00514**
MW-3	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-3	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-3	11/8/13		**0.00241**	<0.0020	<0.0010	<0.0020
MW-3	2/13/14		**0.0028**	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-3	5/9/14		**0.0089**	<0.0020	<0.0010	<0.0020
MW-3	9/16/14		**0.0164**	<0.0020	<0.0010	<0.0020
MW-3	11/17/14		**0.119**	**0.00692**	<0.0010	**0.0438**
MW-3	3/18/15		**0.014**	**0.0065**	<0.0010	**0.0154**
MW-3	5/12/15		NSC	--	--	--
MW-3	9/9/15		NSC	--	--	--
MW-3	11/24/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-3	2/18/16		**0.00528**	<0.00200	<0.00100	**0.00668**
MW-3	6/22/16		NSC	--	--	--
MW-3	9/6/16		Dry	--	--	--
MW-3	10/12/16		**0.00557**	**0.00181**	<0.00200	**0.00452**
MW-3	12/13/16		**0.00530**	**0.00224**	<0.00200	**0.00441**
MW-3	4/5/15		Dry	--	--	--
MW-3	6/21/17		Dry	--	--	--
MW-3	9/25/17		Dry	--	--	--
MW-3	11/28/17		Dry	--	--	--
MW-3	2/23/18		Dry	--	--	--
MW-3	5/25/18		Dry	--	--	--
MW-3	8/29/18		Dry	--	--	--
MW-3	9/17/18		P&A	--	--	--
MW-3R	11/16/18		**0.0243**	<0.000412	**0.00134**	**0.00318**
MW-3R	2/19/19		**0.00102**	<0.000412	<0.000160	<0.000510
MW-3R	5/22/19		**0.0208**	<0.000412	**0.000553**	**0.00713 J**
MW-3R	8/23/19		**0.0223**	**0.000645 J**	**0.00326**	**0.00295**
MW-3R	10/18/19		**0.0303**	**0.00199**	**0.0029**	**0.00280**
MW-3R	10/18/19	**DUP**	**0.0220**	<0.000412	**0.00204**	**0.00217**
MW-4	12/28/06		<0.0010	<0.0010	<0.0010	<0.0010
MW-4	3/16/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-4	5/30/07		<0.0010	**0.001**	<0.0010	<0.0010
MW-4	9/25/07		<0.0010	**0.001**	<0.0010	<0.0020
MW-4	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	6/14/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	9/17/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	12/2/08		<0.0010	**0.006**	<0.0010	<0.0020
MW-4	3/3/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	6/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	9/1/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	3/4/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	5/25/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	8/30/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	11/11/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	3/22/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	5/27/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	8/24/11		**0.0012**	<0.0020	<0.0010	<0.0020
MW-4	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-4	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-4	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	8/21/13		Dry	--	--	--
MW-4	2/26/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	8/7/14		Dry	--	--	--
MW-4	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-4	9/9/15		Dry	--	--	--
MW-4	2/18/16		Dry	--	--	--
MW-4	9/6/16		Dry	--	--	--
MW-4	10/12/16		Dry	--	--	--
MW-4	12/13/16		Dry	--	--	--
MW-4	4/5/17		Dry	--	--	--
MW-4	6/21/17		Dry	--	--	--
MW-4	9/25/17		Dry	--	--	--
MW-4	11/28/17		Dry	--	--	--
MW-4	2/23/18		Dry	--	--	--
MW-4	5/25/18		Dry	--	--	--
MW-4	8/29/18		Dry	--	--	--
MW-4	9/17/18		P&A	--	--	--
MW-4R	11/16/18		**1.10**	<0.000412	<0.000160	**0.0226**
MW-4R	2/19/19		**1.49**	<0.000412	<0.000160	**0.00903**
MW-4R	5/22/19		**0.537**	<0.00206	<0.000800	**0.00569 J**
MW-4R	8/23/19		**1.15**	<0.00824	<0.00320	<0.0102
MW-4R	8/23/19	**DUP**	**1.27**	<0.000412	<0.000160	0.00547
MW-4R	10/18/19		**1.29**	<0.00412	<0.00160	<0.00510
MW-5	12/28/06		<0.0010	<0.0010	<0.0010	<0.0010
MW-5	3/16/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-5	5/30/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-5	9/25/07		<0.0010	<0.0010	<0.0010	<0.0020
MW-5	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	6/14/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	9/17/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	12/2/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	3/3/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	6/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	9/1/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	3/4/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	5/25/10		**0.0014**	<0.0020	<0.0010	<0.0020
MW-5	8/30/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	11/11/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	3/22/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	5/27/11		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-5	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-5	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	8/7/14		NSC	--	--	--
MW-5	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-5	9/9/15		Dry	--	--	--
MW-5	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-5	9/6/16		Dry	--	--	--
MW-5	10/11/16		Dry	--	--	--
MW-5	4/5/17		Dry	--	--	--
MW-5	6/21/17		Dry	--	--	--
MW-5	9/25/17		Dry	--	--	--
MW-5	11/28/17		Dry	--	--	--
MW-5	2/23/18		Dry	--	--	--
MW-5	5/25/18		Dry	--	--	--
MW-5	8/29/18		Dry	--	--	--
MW-5	9/17/18		P&A	--	--	--
MW-5R	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	2/19/19		**0.000239 J**	<0.000412	<0.000160	<0.000510
MW-5R	5/22/19		**0.000313 J**	<0.000412	<0.000160	<0.000510
MW-5R	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-5R	10/18/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-6	12/28/06		<0.0010	<0.0010	<0.0010	<0.0010
MW-6	3/16/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-6	5/30/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-6	9/25/07		<0.0010	<0.0010	<0.0010	<0.0020
MW-6	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	6/14/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	9/17/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	12/2/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	3/3/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	6/18/09		**0.0044**	<0.0020	<0.0010	<0.0020
MW-6	9/1/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	12/18/09		**0.013**	<0.0020	<0.0010	<0.0020
MW-6	3/4/10		**0.0063**	<0.0020	<0.0010	<0.0020
MW-6	5/25/10		**0.0059**	<0.0020	<0.0010	<0.0020
MW-6	8/30/10		**0.0053**	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-6	11/11/10		**0.0082**	<0.0020	<0.0010	**0.0035**
MW-6	3/22/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	5/27/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	8/24/11		**0.105**	<0.0020	<0.0010	**0.0628**
MW-6	11/9/11		**0.00356**	<0.0020	<0.0010	**0.0388**
MW-6	2/6/12		**0.0129**	<0.0020	**0.00106**	**0.133**
MW-6	5/23/12		**0.00768**	<0.0010	<0.0010	**0.157**
MW-6	8/28/12		<0.0010	<0.0020	<0.0010	**0.0026**
MW-6	11/27/12		**0.00121**	<0.0020	<0.0010	**0.0414**
MW-6	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	8/21/13		Dry	--	--	--
MW-6	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	5/9/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	8/7/14		NSC	--	--	--
MW-6	11/17/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	5/12/15		NSC	--	--	--
MW-6	9/9/15		NSC	--	--	--
MW-6	11/24/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-6	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-6	6/22/16		Dry	--	--	--
MW-6	9/6/16		Dry	--	--	--
MW-6	10/12/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-6	12/13/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-6	4/5/17		Dry	--	--	--
MW-6	6/21/17		Dry	--	--	--
MW-6	9/25/17		Dry	--	--	--
MW-6	11/28/17		Dry	--	--	--
MW-6	2/19/19		Dry	--	--	--
MW-6	5/22/19		Dry	--	--	--
MW-6	8/23/19		Dry	--	--	--
MW-6	10/18/19		Dry	--	--	--
MW-7	12/28/06		**0.047**	<0.0010	<0.0010	**0.001**
MW-7	3/16/07		**0.047**	<0.0010	<0.0010	**0.015**
MW-7	5/31/07		**0.039**	<0.0010	<0.0010	**0.005**
MW-7	9/25/07		**0.037**	<0.0010	<0.0010	**0.03**
MW-7	11/30/07		**0.026**	<0.0020	<0.0010	**0.022**
MW-7	3/11/08		**0.095**	<0.0020	<0.0010	**0.0032**
MW-7	6/14/08		**0.138**	<0.0020	<0.0010	**0.016**
MW-7	9/17/08		**0.353**	<0.0020	<0.0010	**0.003**
MW-7	12/2/08		**0.036**	<0.0020	<0.0010	**0.005**
MW-7	3/3/09		**0.0775**	<0.0020	<0.0010	**0.0327**
MW-7	6/18/09		**0.057**	<0.0020	<0.0010	**0.0329**
MW-7	9/1/09		**0.012**	<0.0020	<0.0010	<0.0020
MW-7	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	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	3/4/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	5/25/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	8/30/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	11/11/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	3/22/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	5/27/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	8/24/11		**0.00192**	<0.0020	<0.0010	<0.0020
MW-7	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-7	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	5/23/13		**0.00868**	<0.0020	<0.0010	<0.0020
MW-7	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	6/24/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	8/27/14		**0.048**	<0.0020	<0.0010	<0.0020
MW-7	11/17/14		**0.177**	<0.0020	<0.0010	<0.0020
MW-7	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	5/12/15		**0.142**	<0.0020	<0.0010	<0.0020
MW-7	8/11/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-7	11/24/15		**0.0013**	<0.0020	<0.0010	<0.0020
MW-7	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-7	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	9/6/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	10/11/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	12/13/16		**0.00220**	<0.00200	<0.00200	<0.00200
MW-7	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	9/25/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	11/28/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	2/23/18		<0.000408	<0.000367	<0.000657	<0.000630
MW-7	5/25/18		<0.000408	<0.000367	<0.000657	<0.000630
MW-7	5/25/18	**DUP**	<0.000408	<0.000367	<0.000657	<0.000630
MW-7	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
MW-7	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	5/22/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	10/18/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-8	3/16/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-8	5/31/07		<0.0010	<0.0010	<0.0010	<0.0010
MW-8	9/25/07		<0.0010	<0.0010	<0.0010	<0.0020
MW-8	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-8	6/14/08		**0.008**	<0.0020	<0.0010	<0.0020
MW-8	9/17/08		**0.568**	<0.0100	<0.005	<0.0100
MW-8	12/2/08		**0.234**	**0.046**	**0.008**	**0.054**
MW-8	3/3/09		**0.0284**	<0.0020	<0.0010	**0.0068**
MW-8	6/18/09		**0.0045**	<0.0020	**0.0016**	**0.0032**
MW-8	9/1/09		**0.0013**	<0.0020	**0.0011**	**0.0141**
MW-8	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	3/4/10		<0.0010	<0.0020	**0.0011**	<0.0020
MW-8	5/25/10		**0.0012**	<0.0020	**0.001**	<0.0020
MW-8	8/30/10		<0.0010	<0.0020	**0.0014**	<0.0020
MW-8	11/11/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	3/22/11		<0.0010	<0.0020	<0.0010	**0.00154**
MW-8	5/27/11		<0.0010	<0.0020	<0.0010	**0.0026**
MW-8	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-8	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	2/26/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	9/9/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-8	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-8	9/6/16		Dry	--	--	--
MW-8	10/11/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-8	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-8	9/25/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-8	5/25/18		Dry	--	--	--
MW-8	8/29/18		Dry	--	--	--
MW-8	11/16/18		Dry	--	--	--
MW-8	2/19/19		Dry	--	--	--
MW-8	5/22/19		Dry	--	--	--
MW-8	8/23/19		Dry	--	--	--
MW-8	10/18/19		Dry	--	--	--
MW-9	9/25/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	11/30/07		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/11/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	6/14/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	9/17/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	12/2/08		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/3/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	6/18/09		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-9	9/1/09		**0.9717**	**0.0641**	<0.0100	**0.1289**
MW-9	9/10/09		**1.838**	<0.0200	<0.0100	**0.0537**
MW-9	10/5/09		**0.985**	<0.0020	<0.0010	**0.0442**
MW-9	12/18/09		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/4/10		**0.0192**	<0.0020	<0.0010	**0.0027**
MW-9	5/25/10		**0.0421**	<0.0020	<0.0010	**0.0063**
MW-9	8/30/10		**0.1259**	<0.0020	<0.0010	**0.0344**
MW-9	11/11/10		**0.0265**	<0.0020	<0.0010	**0.0097**
MW-9	3/22/11		**0.00335**	<0.0020	<0.0010	<0.0020
MW-9	5/27/11		**0.00406**	<0.0020	<0.0010	**0.00326**
MW-9	8/24/11		<0.0010	<0.0020	<0.0010	**0.00237**
MW-9	11/9/11		**0.00179**	<0.0020	<0.0010	**0.00349**
MW-9	12/14/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	1/5/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-9	6/19/12		<0.0010	<0.0010	<0.0010	<0.0020
MW-9	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	10/31/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	12/19/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	1/30/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	5/29/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	7/16/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	9/19/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	10/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	5/9/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	11/17/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	5/12/15		**0.0268**	<0.0020	<0.0010	<0.0020
MW-9	8/11/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-9	11/24/15		**0.00899**	<0.0020	<0.0010	<0.0020
MW-9	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-9	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	9/6/16		**0.0363**	<0.00200	<0.00200	<0.00200

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-9	10/11/16		**0.0304**	<0.00200	<0.00200	<0.00200
MW-9	12/13/16		**0.0259**	<0.00200	<0.00200	<0.00200
MW-9	12/13/16	**DUP**	**0.0268**	<0.00200	<0.00200	<0.00200
MW-9	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	4/5/17	**DUP**	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	6/21/17	**DUP**	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	9/25/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	9/25/17	**DUP**	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/28/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/28/17	**DUP**	<0.00200	<0.00200	<0.00200	<0.00200
MW-9	2/23/18		<0.000408	<0.000367	<0.000657	<0.000630
MW-9	5/25/18		<0.000408	<0.000367	<0.000657	<0.000630
MW-9	8/29/18		<0.000500	<0.00100	**0.00289**	**0.00249**
MW-9	8/29/18	**DUP**	<0.000500	<0.00100	<0.000500	<0.00150
MW-9	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/22/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/18/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-10	11/2/09		<0.005	<0.005	<0.005	<0.010
MW-10	3/4/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	5/25/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	8/30/10		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	11/11/10		**0.035**	<0.0020	<0.0010	**0.0035**
MW-10	3/22/11		**0.0568**	<0.0020	<0.0010	**0.00333**
MW-10	5/27/11		**1.52**	<0.0020	**0.00107**	**0.0113**
MW-10	7/11/11		**3**	**0.00265**	**0.00365**	**0.0271**
MW-10	8/24/11		**0.654**	<0.0020	**0.00158**	**0.0203**
MW-10	10/10/11		**0.183**	<0.0020	<0.0010	**0.121**
MW-10	10/31/11		**0.053**	<0.0020	**0.0014**	**0.0966**
MW-10	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	12/14/11		**0.00846**	**0.00226**	<0.0010	**0.0261**
MW-10	1/5/12		**0.00432**	<0.0020	<0.0010	**0.0126**
MW-10	2/6/12		**0.00233**	<0.0020	<0.0010	**0.00644**
MW-10	3/1/12		**0.00134**	<0.0020	<0.0010	**0.00423**
MW-10	4/18/12		**0.00338**	<0.0020	<0.0010	**0.0175**
MW-10	5/23/12		**0.00387**	<0.0010	<0.0010	**0.103**
MW-10	6/19/12		<0.0010	<0.0010	<0.0010	**0.0157**
MW-10	7/30/12		Dry	--	--	--
MW-10	8/28/12		<0.0010	<0.0020	<0.0010	**0.0148**
MW-10	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	10/31/12		<0.0010	<0.0020	**0.00124**	**0.00457**
MW-10	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	12/19/12		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	1/30/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	2/22/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
MW-10	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	5/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	7/16/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	8/21/13		Dry	--	--	--
MW-10	9/19/13		Dry	--	--	--
MW-10	10/23/13		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	5/9/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	8/7/14		Dry	--	--	--
MW-10	11/17/14		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	5/12/15		Dry	--	--	--
MW-10	9/9/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	11/24/15		<0.0010	<0.0020	<0.0010	<0.0020
MW-10	2/18/16		<0.00100	<0.00200	<0.00100	<0.00100
MW-10	6/22/16		Dry	--	--	--
MW-10	9/6/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-10	10/11/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-10	12/13/16		<0.00200	<0.00200	<0.00200	<0.00200
MW-10	4/5/17		Dry	--	--	--
MW-10	6/21/17		Dry	--	--	--
MW-10	9/25/17		Dry	--	--	--
MW-10	11/28/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-10	2/23/18		<0.000408	<0.000367	<0.000657	<0.000630
MW-10	2/23/18	**DUP**	<0.000408	<0.000367	<0.000657	<0.000630
MW-10	5/25/18		Dry	--	--	--
MW-10	8/29/18		Dry	--	--	--
MW-10	11/16/18		Dry	--	--	--
MW-10	5/22/19		Dry	--	--	--
MW-10	8/23/19		Dry	--	--	--
MW-10	10/18/19		Dry	--	--	--
MW-11	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	5/22/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	10/18/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/16/18		**0.0481**	<0.000412	<0.000160	**0.00116 J**
MW-12	2/19/19		**0.0649**	<0.000412	<0.000160	**0.00144 J**
MW-12	5/22/19		**0.0445**	<0.000412	<0.000160	**0.00350**
MW-12	5/22/19	**DUP**	**0.0374**	<0.000412	<0.000160	**0.00351**
MW-12	8/23/19		**0.309**	<0.00206	<0.00800	**0.00727 J**
MW-12	10/18/19		**0.869**	<0.00206	<0.000800	**0.00445 J**
MW-12	10/18/19	**DUP**	**0.714**	<0.000412	<0.000160	**0.00535**
Goff Dairy Well	5/27/11		**0.00125**	<0.0020	<0.0010	<0.0020
Goff Dairy Well	7/11/11		**0.00262**	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
Goff Dairy Well	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	10/10/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	10/31/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	12/14/11		<0.0010	<0.0020	**0.00111**	<0.0020
Goff Dairy Well	1/5/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	2/6/12		<0.0010	<0.0020	**0.00111**	**0.00201**
Goff Dairy Well	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy Well	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	7/16/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	9/19/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	10/23/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	2/26/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	5/9/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	11/17/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	5/12/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	8/11/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	11/24/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Well	2/18/16		<0.00100	**0.00327**	<0.00100	**0.00259**
Goff Dairy Well	3/15/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	9/6/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	10/12/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	10/12/16	**DUP**	<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	9/7/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Well	3/21/18		<0.000408	**0.000640 J**	<0.000657	<0.000630
Goff Dairy Well	6/20/18		<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Well	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Well	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	11/16/18	**DUP**	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Well	5/22/19		Off	--	--	--
Goff Dairy Well	8/23/19		**0.000260 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Well	10/18/19		Off	--	--	--
Goff Dairy - Ctr. Pivot	7/7/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	10/10/11		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
Goff Dairy - Ctr. Pivot	10/31/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	12/14/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	1/5/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	2/6/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	6/19/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	10/31/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	12/19/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	2/28/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy - Ctr. Pivot	3/17/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot	9/7/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy - Ctr. Pivot	3/21/18		<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy - Ctr. Pivot	6/20/18		<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy - Ctr. Pivot	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy - Ctr. Pivot	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot	11/16/18	**DUP**	<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot	2/19/19		**0.000299 J**	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot	5/22/19	**DUP**	Off	--	--	--
Goff Dairy - Ctr. Pivot	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy - Ctr. Pivot	10/18/19		Off	--	--	--
Goff Dairy Ctr. Pivot	7/7/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	10/10/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	10/31/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	6/19/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
Goff Dairy Ctr. Pivot	10/31/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	2/28/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/17/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	9/7/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	3/21/18		<0.000408	**0.000630 J**	<0.000657	<0.000630
Goff Dairy Ctr. Pivot	6/20/18		<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Ctr. Pivot	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	2/19/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	5/22/19		Off	--	--	--
Goff Dairy Ctr. Pivot	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	10/18/19		Off	--	--	--
Goff Dairy Ctr. Pivot	7/7/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	10/10/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	10/31/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	6/19/12		<0.0010	<0.0010	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	10/31/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	2/28/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
Goff Dairy Ctr. Pivot	3/17/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
Goff Dairy Ctr. Pivot	9/7/17		<0.00200	<0.00200	<0.00200	<0.00200

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
Goff Dairy Ctr. Pivot	3/21/18		<0.000408	**0.000650 J**	<0.000657	<0.000630
Goff Dairy Ctr. Pivot	6/20/18		<0.000408	<0.000367	<0.000657	<0.000630
Goff Dairy Ctr. Pivot	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
Goff Dairy Ctr. Pivot	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	2/19/19		**0.000228 J**	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	5/22/19		Off	--	--	--
Goff Dairy Ctr. Pivot	8/23/19		<0.000190	<0.000412	<0.000160	<0.000510
Goff Dairy Ctr. Pivot	10/18/19		Off	--	--	--
JW House Well	7/14/11		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	8/24/11		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	10/10/11		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	10/31/11		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	11/9/11		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	3/1/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	4/18/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	5/23/12		<0.0010	<0.0010	<0.0010	<0.0020
JW House Well	6/19/12		<0.0010	<0.0010	<0.0010	<0.0020
JW House Well	7/30/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	8/28/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	9/11/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	10/31/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	11/27/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	12/19/12		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	1/31/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	2/28/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	3/27/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	4/9/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	5/29/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	6/25/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	7/16/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	8/21/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	9/19/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	11/8/13		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	2/13/14		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	5/9/14		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	8/7/14		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	11/17/14		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	3/18/15		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	5/12/15		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	8/11/15		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	12/2/15		<0.0010	<0.0020	<0.0010	<0.0020
JW House Well	3/15/16		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	6/22/16		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	9/6/16		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	10/12/16		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	12/13/16		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	4/5/17		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	6/21/17		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	9/25/17		<0.00200	<0.00200	<0.00200	<0.00200

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			**0.01**	**0.75**	**0.75**	**0.62**
JW House Well	11/28/17		<0.00200	<0.00200	<0.00200	<0.00200
JW House Well	2/23/18		<0.000408	<0.000367	<0.000657	<0.000630
JW House Well	5/25/18		<0.000408	<0.000367	<0.000657	<0.000630
JW House Well	8/29/18		<0.000500	<0.00100	<0.000500	<0.00150
JW House Well	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
JW House Well	2/19/19		NSC	--	--	--
JW House Well	5/22/19		NSC	--	--	--
JW House Well	8/23/19		**0.000242 J**	<0.000412	<0.000160	<0.000510
JW House Well	12/3/19		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/16/18		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	5/22/19		<0.000190	<0.000412	**0.000286 J**	**0.00092 J**

Notes:

1. Sample results listed prior to October 11, 2016 were collected and reported by Basin Environmental Service Technologies
2. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B
3. All reported concentrations are reported as milligrams per Liter (mg/L)
4. Bold font Indicates laboratory detection.
5. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards
6. < = Not detected above the Sample Detection Limit
7. J = Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Li
8. DUP - Duplicate Sample
9. Dry - No fluid column measured in monitoring well
10. NSC - No Sample Collected
11. -- = No analytical data reported for corresponding date
12. P&A - Plugged & Abandoned
13. Off - Goff Dairy center pivot irrigation well and system not in seasonal operation

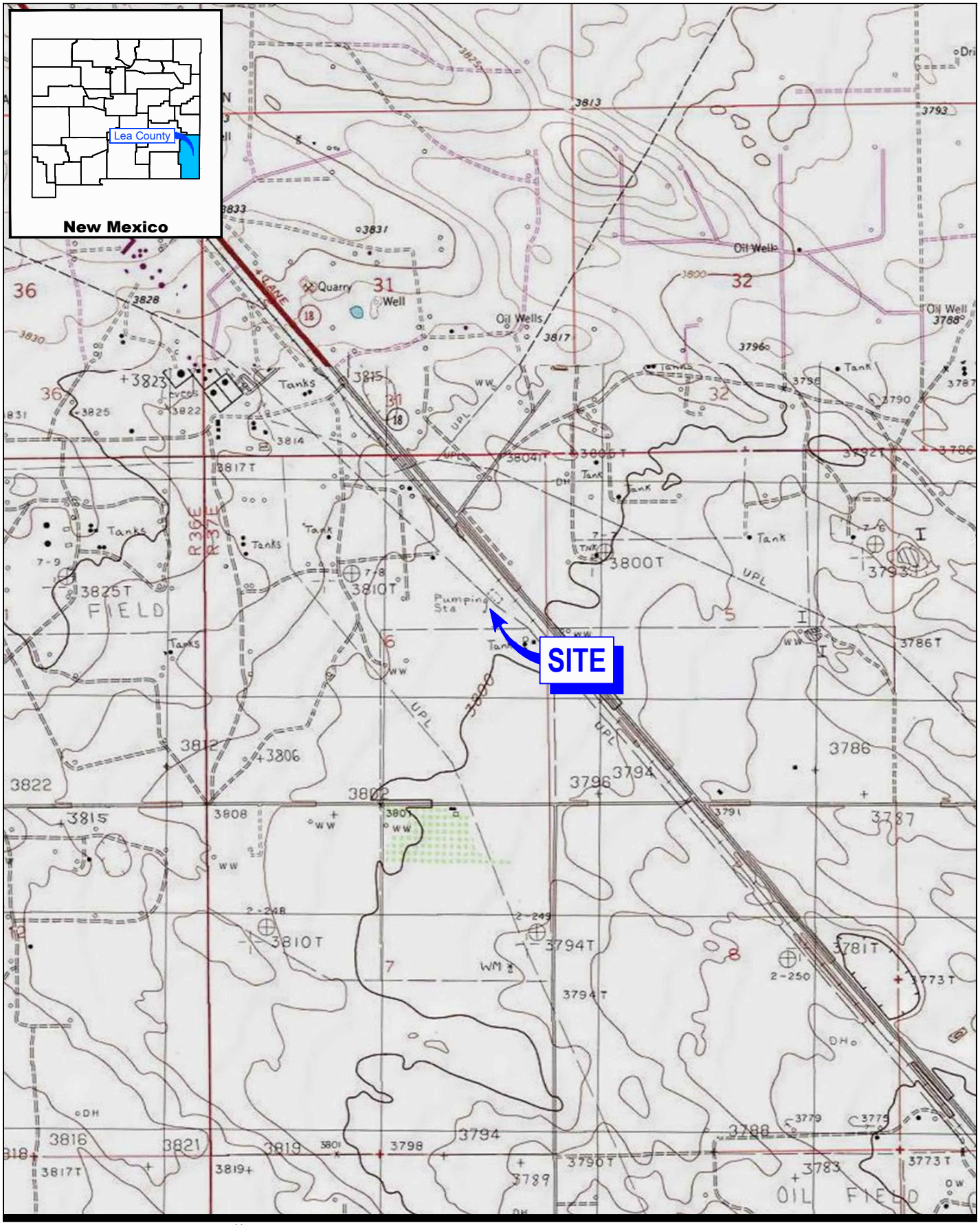
Table 3

Summary of Groundwater PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Lovington Gathering WTI
SRS 2006-142
Lea County, New Mexico
NMOCD Incident No: nAPP2108928398

Monitoring Well ID	Sample Date	Sample Type	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	0.03
MW-1	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-1	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-1R	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000590**	<0.0000157	0.0000101	<0.0000148	**0.00169**	**0.0000203 J**	<0.0000117	**0.000828**	**0.000483**
MW-1R	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.000234**	<0.0000157	**0.0000339 J**	<0.0000148	**0.000829**	**0.0000407 J**	<0.0000117	**0.000471**	**0.000254**
MW-2	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-2R	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000139 J**	<0.0000157	<0.00000850	<0.0000148	**0.000817**	<0.00000820	<0.0000117	**0.000365**	**0.000131 J**
MW-2R	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000332 J**	<0.0000157	**0.0000120 J**	<0.0000148	**0.000565**	**0.0000250 J**	<0.0000117	**0.000263**	**0.000109 J**
MW-3	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-3R	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000138 J**	<0.0000157	<0.00000850	<0.0000148	**0.0000671 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-3R	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000499 J**	<0.0000157	<0.00000850	<0.0000148	**0.000204 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-3R (Dup-1)	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000392 B J**	<0.0000157	<0.00000850	<0.0000148	<0.0000198	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-3R	10/18/19	DUP	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000392 B J**	<0.0000157	<0.00000850	<0.0000148	<0.0000198	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-4	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-4R	11/16/18		<0.0000147	<0.0000105	<0.0000126	<0.00000431	<0.0000122	<0.00000223	<0.00000238	<0.0000143	<0.0000113	<0.00000416	**0.0000967**	<0.0000165	**0.0000192 J**	<0.0000155	**0.00506**	**0.0000305 J**	<0.0000123	**0.00254**	**0.00189**
MW-4R	10/18/19		<0.0000140	**0.0000102 J**	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.000226**	<0.0000157	**0.0000407 J**	<0.0000148	<0.0000198	**0.000789**	**0.0000653**	**0.000986**	**0.000308**
MW-5	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-5R	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	<0.00000105	<0.0000157	<0.00000850	<0.0000148	**0.0000774 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-5R	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000523 J**	<0.0000157	<0.00000850	<0.0000148	**0.0000233 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-6	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-6	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-7	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-7	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-8	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-8	12/18/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-9	12/2/08		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-9	9/29/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-10	11/2/09		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-10	12/15/11		<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	NA	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102	<0.0102
MW-10	11/27/12		<0.00017	<0.00038	<0.00035	<0.00025	<0.00020	<0.00039	<0.00052	<0.00029	<0.00024	<0.00020	NA	<0.00026	<0.00031	<0.00034	<0.00032	<0.00033	<0.00050	<0.00028	<0.00029
MW-11	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	<0.00000105	<0.0000157	<0.00000850	<0.0000148	**0.0000424 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-11	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000473 J**	<0.0000157	<0.00000850	<0.0000148	**0.0000237 J**	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-12	11/16/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.00000984 J**	<0.0000157	**0.0000128 J**	<0.0000148	**0.0000249 J**	**0.00000954 J**	<0.0000117	**0.0000983 J**	**0.0000355**
MW-12	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000477 J**	<0.0000157	**0.0000104 J**	<0.0000148	**0.000684**	**0.0000162 J**	<0.0000117	**0.000898**	**0.000278**
MW-12 (Dup-2)	10/18/19		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000399 B J**	<0.0000157	<0.00000850	<0.0000148	**0.000494**	**0.00000998 J**	<0.0000117	**0.000740**	**0.000199 J**
MW-12	10/18/19	DUP	<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	**0.0000399 B J**	<0.0000157	<0.00000850	<0.0000148	**0.000494**	**0.00000998 J**	<0.0000117	**0.000740**	**0.000199 J**

Notes:

1. Sample results listed from 2008 through 2012 were collected and reported by Basin Environmental Service Technologies, LLC
2. Polycyclic Aromatic Hydrocarbons (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C-SIM
3. All reported concentrations are reported as milligrams per Liter (mg/L)
4. Bold font indicates laboratory detection
5. Green shaded cells indicate results meeting NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the Human Health standards
6. < = Not detected above the Sample Detection Limit
7. NA - No Analysis
8. J = Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit
9. NMWQCC Human Health Standard for combined naphthalene + 1-methylnaphthalene + 2-methylnaphthalene is 0.03 mg/L per NMAC 20.6.2.3103 A.(1)(jj)



0 1000 2000 ft

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

N

GHD

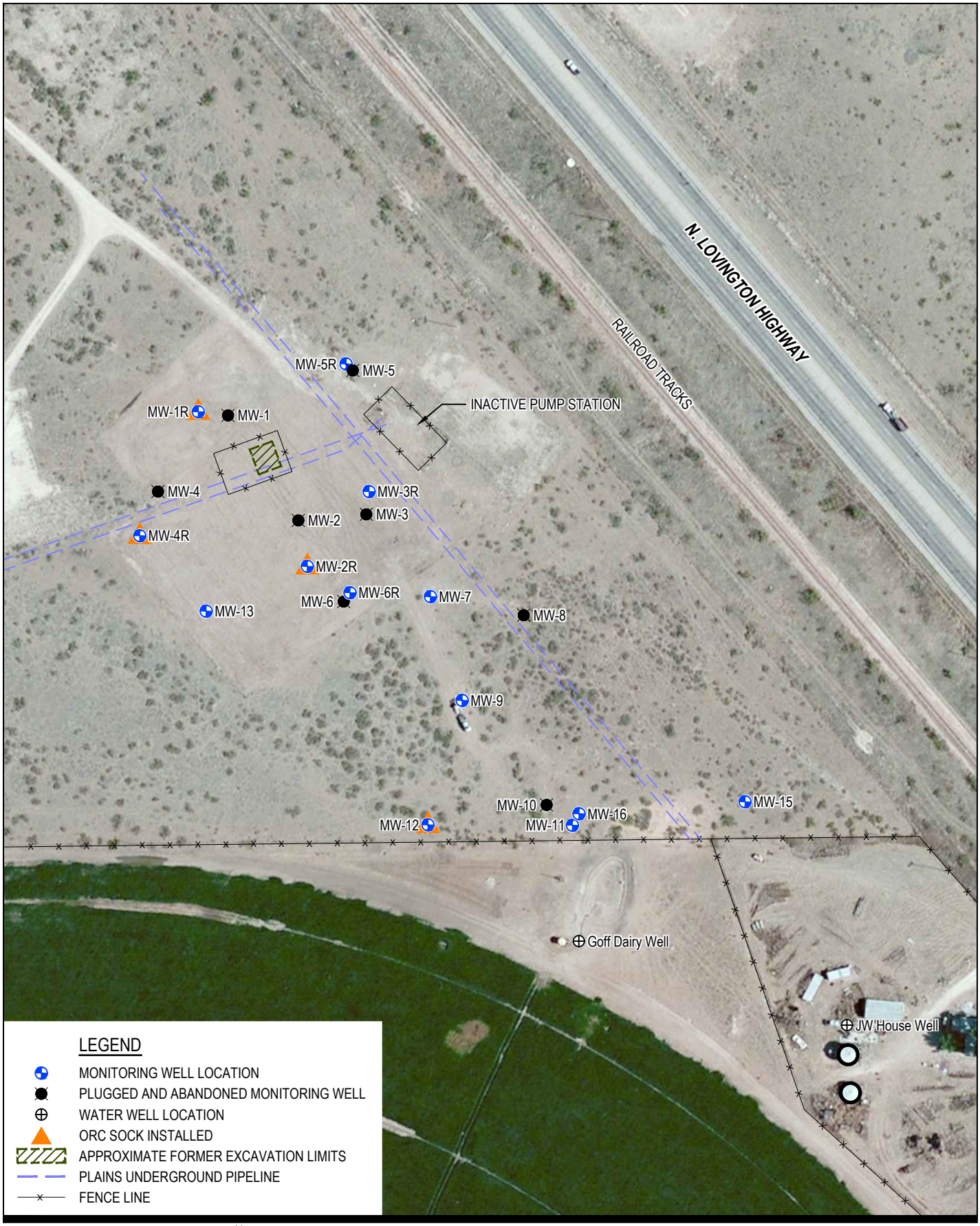
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

Project No. **12604537**
Date **March 2024**

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537_GHD_00-00_RPT_EN_D101_DL_2023.dwg
Data Source: USGS 7.5 Minute Quad "Lovington SE and Lovington, New Mexico"
Lat/Long: 32.8649° North, 103.2853° West



PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

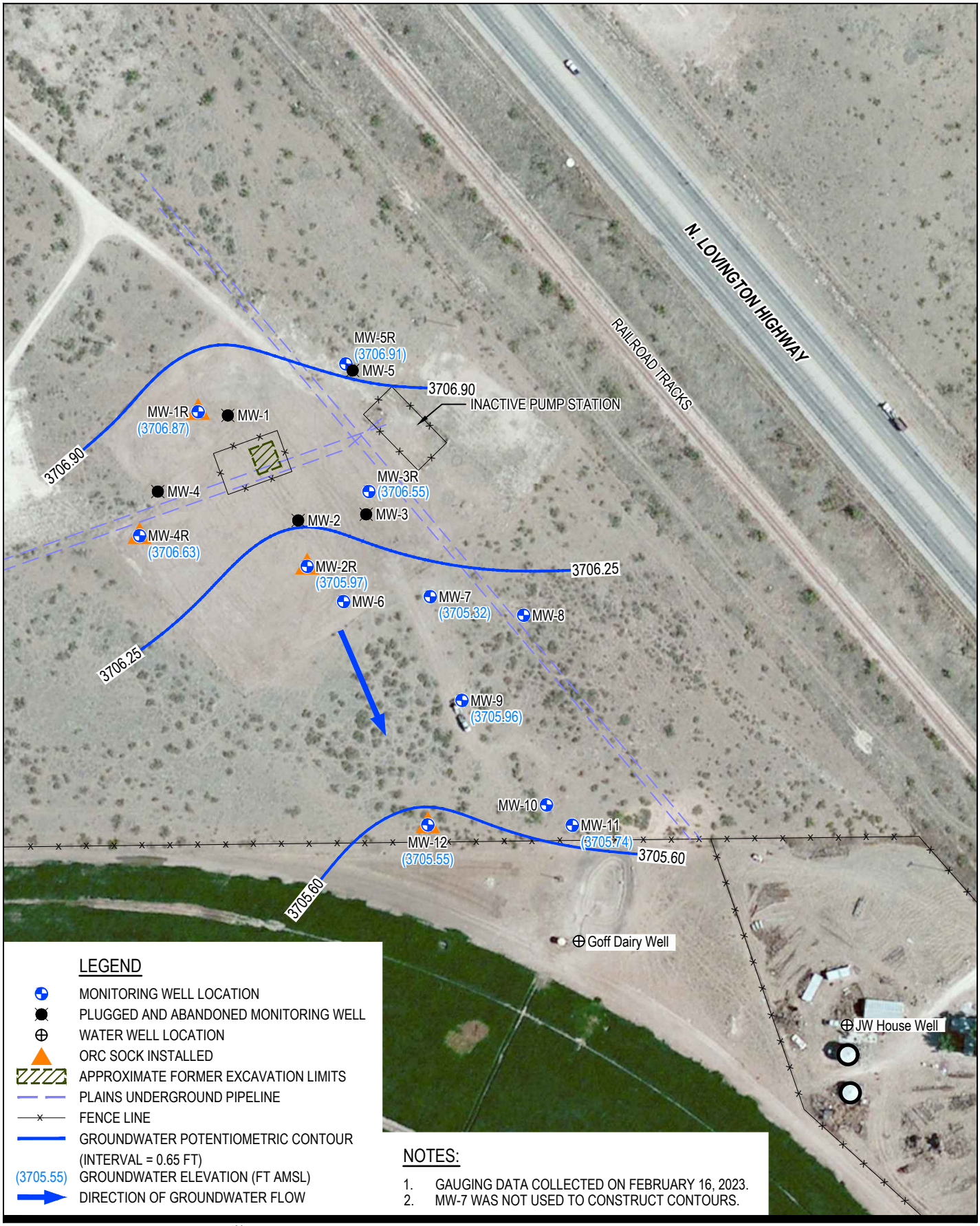
Project No. **12604537**
Date **March 2024**

SITE DETAILS MAP

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D101_DL 2023.dwg

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.65 FT)
- (3705.55) GROUNDWATER ELEVATION (FT AMSL)
- DIRECTION OF GROUNDWATER FLOW

NOTES:

1. GAUGING DATA COLLECTED ON FEBRUARY 16, 2023.
2. MW-7 WAS NOT USED TO CONSTRUCT CONTOURS.

0 75 150 ft

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

N

GHD

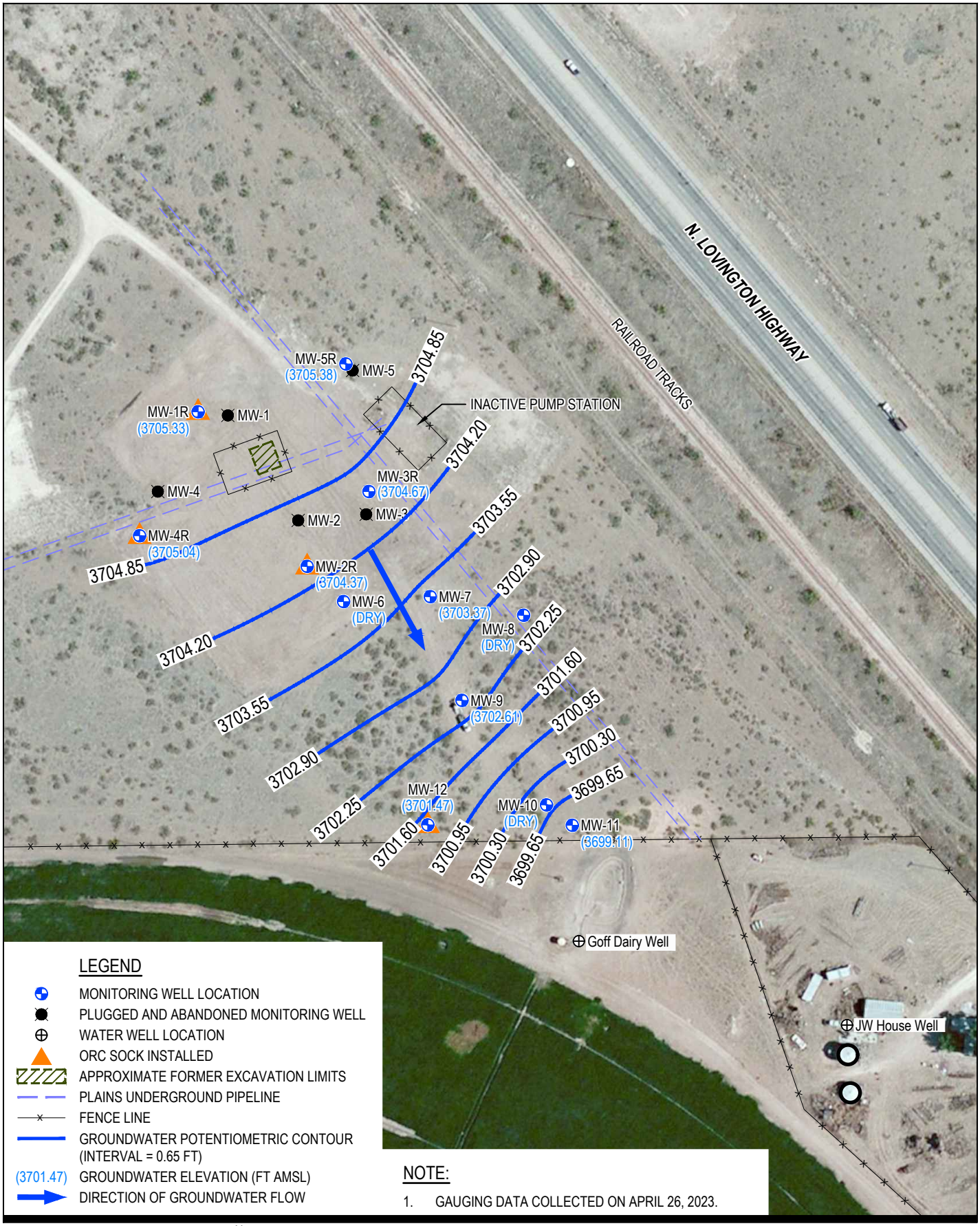
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

POTENTIOMETRIC SURFACE MAP
(FEBRUARY 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 3

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D101_DL 2023.dwg
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.65 FT)
- (3701.47) GROUNDWATER ELEVATION (FT AMSL)
- DIRECTION OF GROUNDWATER FLOW

NOTE:

1. GAUGING DATA COLLECTED ON APRIL 26, 2023.

0 75 150 ft

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

N

GHD

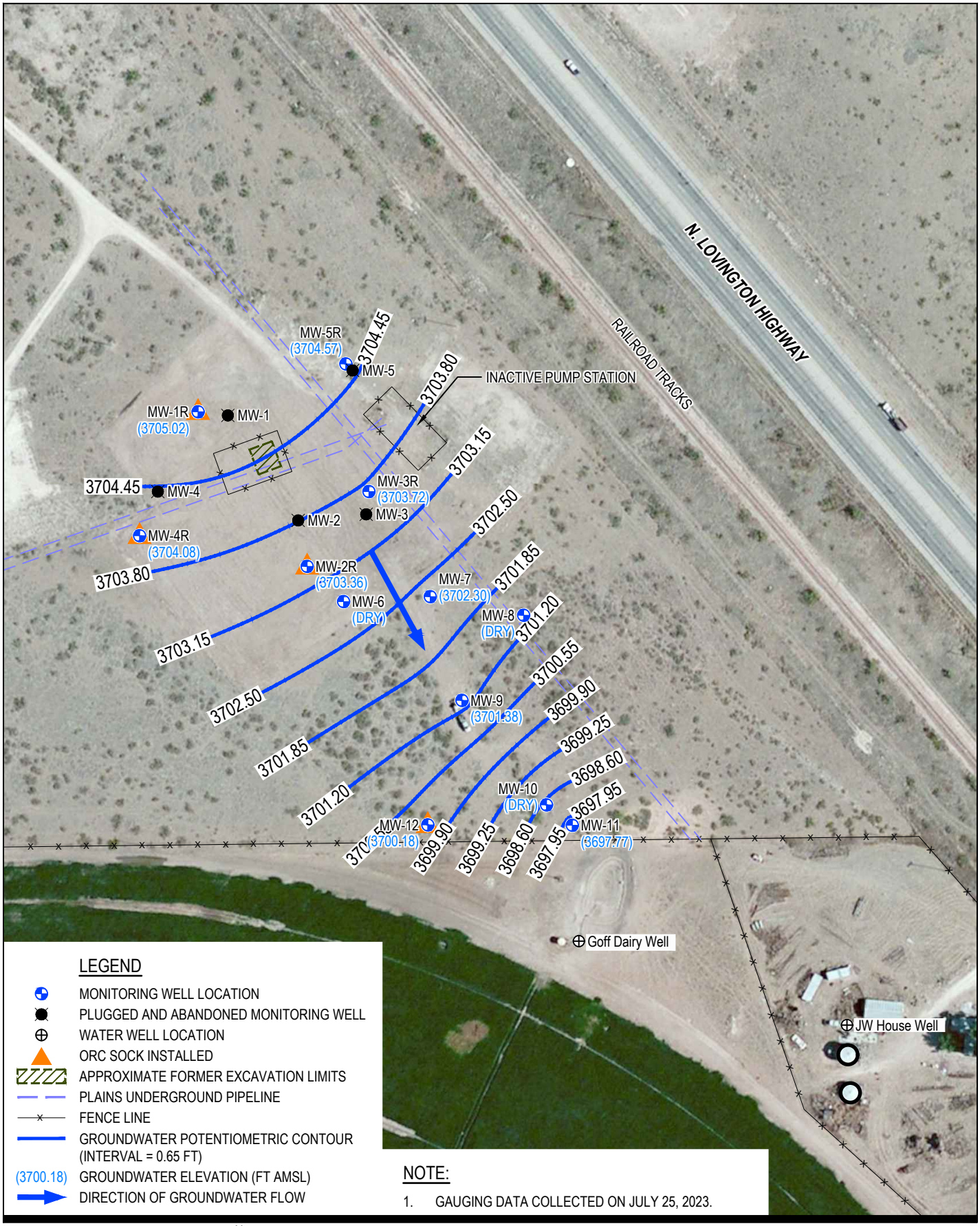
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

POTENTIOMETRIC SURFACE MAP
(APRIL 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 4

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D102_DL 2023.dwg
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

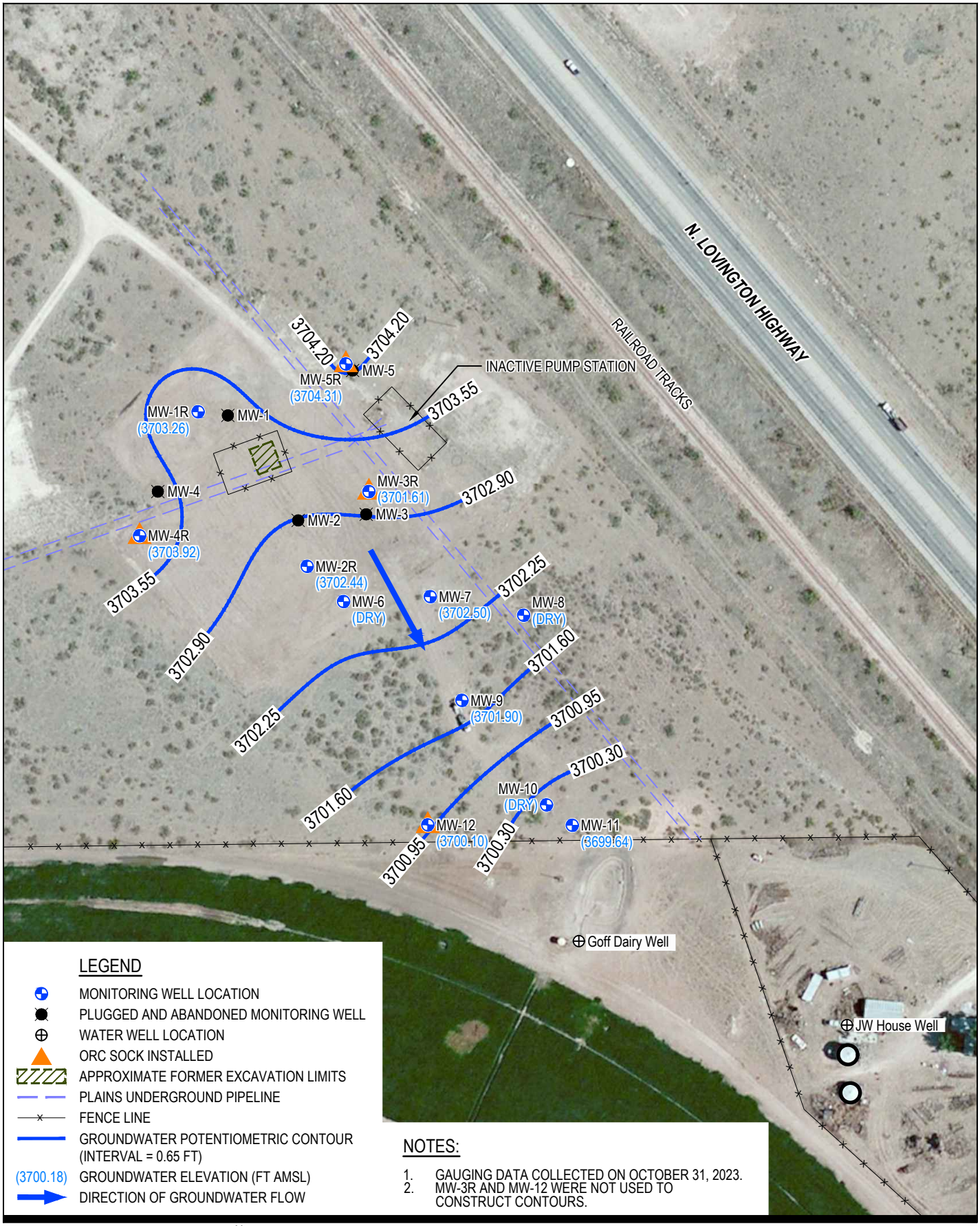
POTENTIOMETRIC SURFACE MAP (JULY 2023)

Project No. 12604537
Date March 2024

FIGURE 5

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D103_DL 2023.dwg

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- GROUNDWATER POTENTIOMETRIC CONTOUR (INTERVAL = 0.65 FT)
- (3700.18) GROUNDWATER ELEVATION (FT AMSL)
- DIRECTION OF GROUNDWATER FLOW

NOTES:

1. GAUGING DATA COLLECTED ON OCTOBER 31, 2023.
2. MW-3R AND MW-12 WERE NOT USED TO CONSTRUCT CONTOURS.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

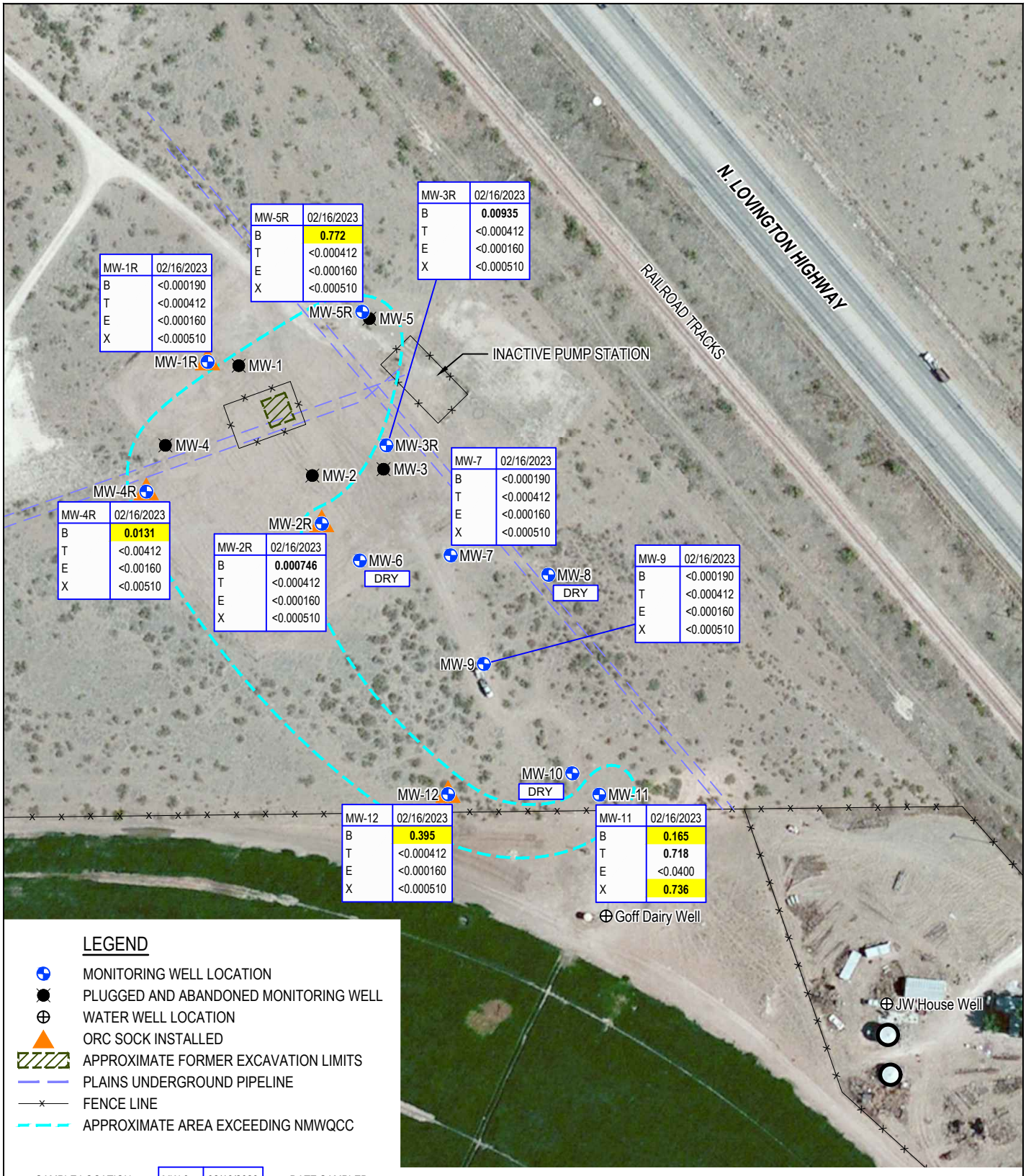
POTENTIOMETRIC SURFACE MAP (OCTOBER 2023)

Project No. **12604537**
Date **May 2024**

FIGURE 6

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D104_DL 2023.dwg

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- APPROXIMATE AREA EXCEEDING NMWQCC

SAMPLE LOCATION	MW-9	02/16/2023	DATE SAMPLED
BENZENE	B	<0.000190	RESULT (mg/L)
TOLUENE	T	<0.000412	
ETHYLBENZENE	E	<0.000160	
XYLENES	X	<0.000510	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON FEBRUARY 16, 2023.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 75 150 ft

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

N

GHD

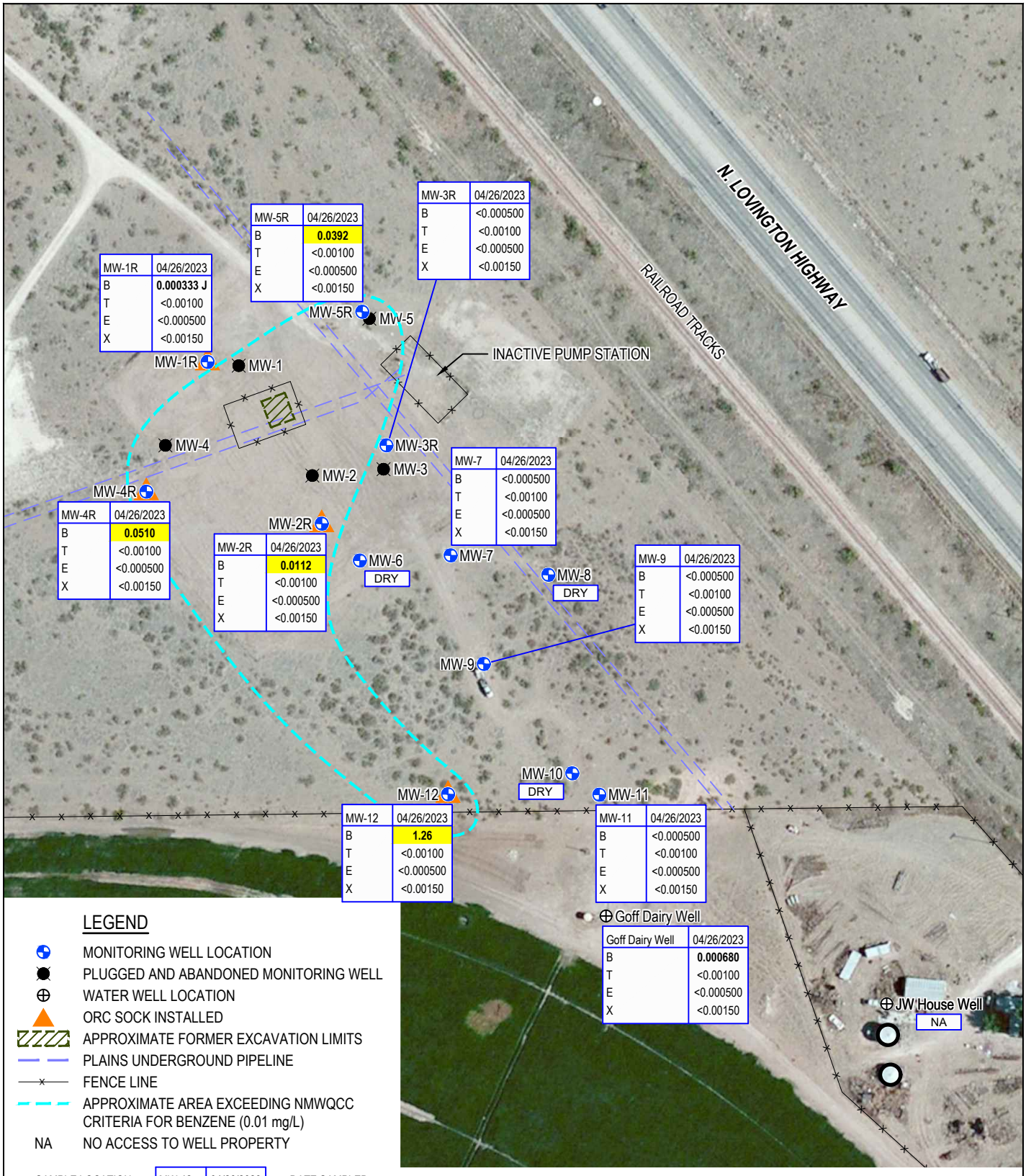
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

COC CONCENTRATIONS IN GROUNDWATER MAP (FEBRUARY 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 7

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D101_DL 2023.dwg
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NA — NO ACCESS TO WELL PROPERTY

SAMPLE LOCATION	MW-12	04/26/2023	DATE SAMPLED
BENZENE	B	1.26	RESULT (mg/L)
TOLUENE	T	<0.00100	
ETHYLBENZENE	E	<0.000500	
XYLENES	X	<0.00150	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON APRIL 26, 2023.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 75 150 ft

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

N

GHD

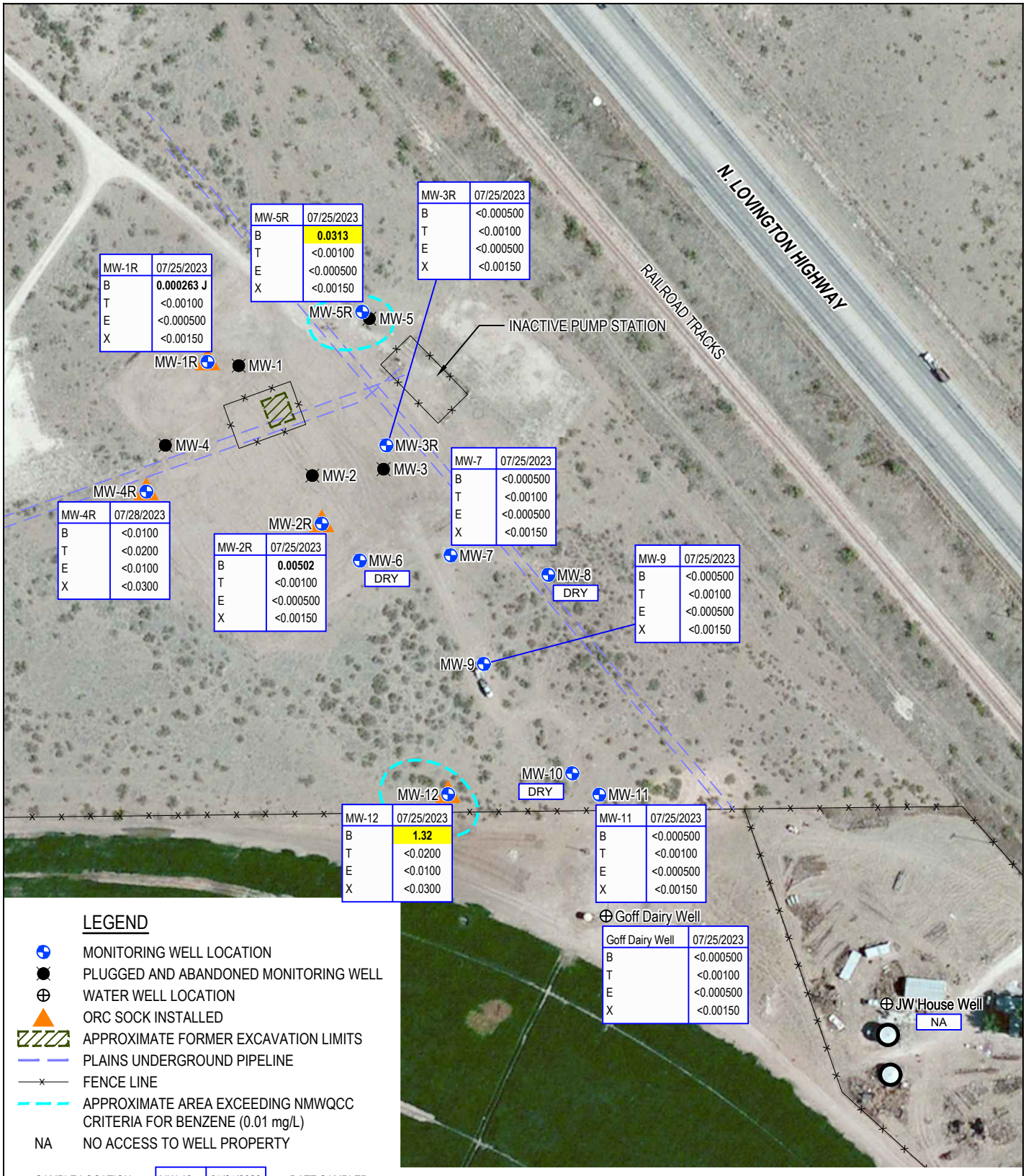
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

COC CONCENTRATIONS IN GROUNDWATER MAP (APRIL 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 8

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D102_DL 2023.dwg
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NA — NO ACCESS TO WELL PROPERTY

SAMPLE LOCATION	MW-12	07/25/2023	DATE SAMPLED
BENZENE	B	1.32	RESULT (mg/L)
TOLUENE	T	<0.0200	
ETHYLBENZENE	E	<0.0100	
XYLENES	X	<0.0300	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON JULY 25, 2023.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

COC CONCENTRATIONS IN GROUNDWATER MAP (JULY 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 9

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D103_DL 2023.dwg
Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
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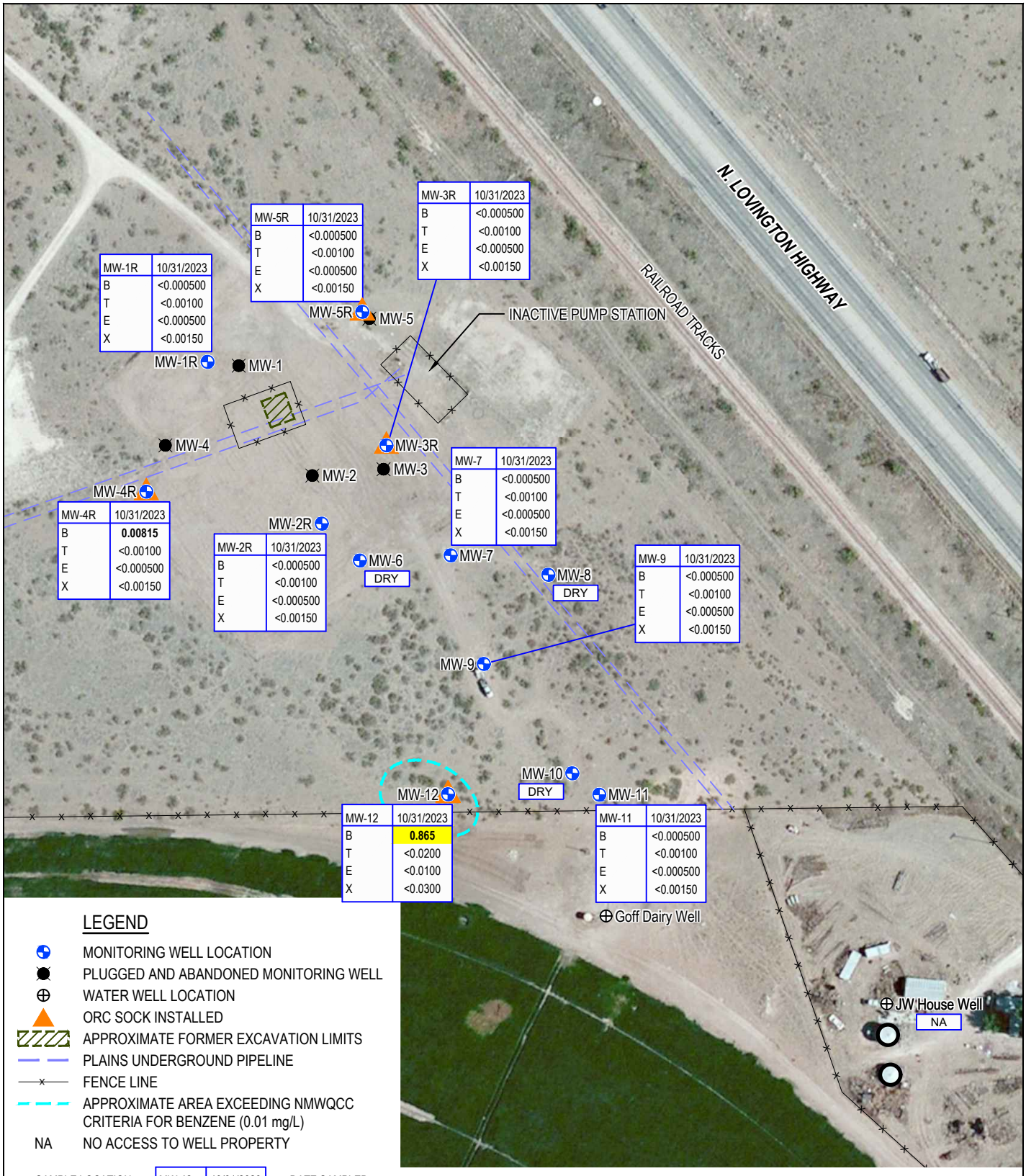


LEGEND

- MONITORING WELL LOCATION
- PLUGGED AND ABANDONED MONITORING WELL
- WATER WELL LOCATION
- ORC SOCK INSTALLED
- APPROXIMATE FORMER EXCAVATION LIMITS
- PLAINS UNDERGROUND PIPELINE
- FENCE LINE
- APPROXIMATE AREA EXCEEDING NMWQCC CRITERIA FOR BENZENE (0.01 mg/L)
- NA — NO ACCESS TO WELL PROPERTY

SAMPLE LOCATION	MW-12	10/31/2023	DATE SAMPLED
BENZENE	B	**0.865**	RESULT (mg/L)
TOLUENE	T	<0.0200	
ETHYLBENZENE	E	<0.0100	
XYLENES	X	<0.0300	

NOTES:

1. GROUNDWATER SAMPLES COLLECTED ON OCTOBER 31, 2023.
2. BOLD INDICATES LABORATORY DETECTION.
3. YELLOW SHADED CELLS INDICATE NMWQCC CRITERIA EXCEEDANCE.

0 75 150 ft

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

N

GHD

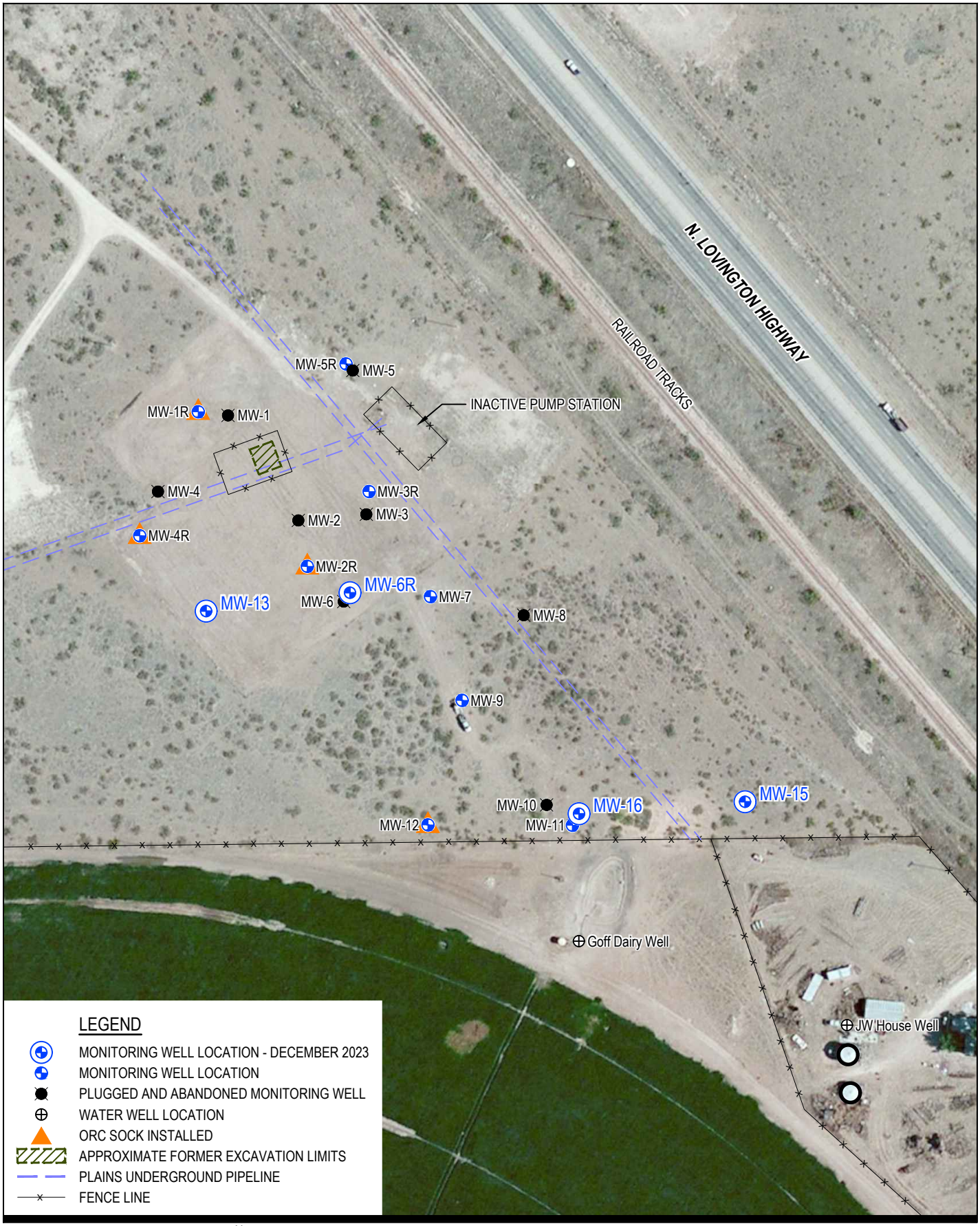
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

COC CONCENTRATIONS IN GROUNDWATER MAP (OCTOBER 2023)

Project No. **12604537**
Date **March 2024**

FIGURE 10

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D104_DL 2023.dwg
Data source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West



0 75 150 ft

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

N

GHD

PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

MONITORING WELL INSTALLATION LOCATIONS (DECEMBER 2023)

Project No. 12604537
Date March 2024

FIGURE 11

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12604537\Digital_Design\ACAD\Figures\2023 GWR\12604537 GHD 00-00 RPT EN D105_DL 2023.dwg

Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 32.8649° North, 103.2853° West

Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Pipeline	Contact Camille Reynolds
Address 3112 W. US Hwy 82, Lovington, NM 88260	Telephone No. 505-441-0965
Facility Name Lovington Gathering WTI	Facility Type 6"Steel Pipeline

Surface Owner Robert Rice	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	6	17S	37E					Lea

Latitude 32° 51' 56.0" **Longitude** 103° 17' 07.2"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 12 barrels	Volume Recovered 8 barrels
Source of Release 6" Steel Pipeline	Date and Hour of Occurrence 4-21-2006 @ 13:00	Date and Hour of Discovery 4-21-2006 @ 13:15
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Camille Reynolds	Date and Hour 4-21-2006 @ 15:35	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken Internal corrosion while purging the line resulted in release of sweet crude oil. The line has been purged. The line is an idle 6-inch steel gathering line. The pressure on the line was approximately 50 psi and the gravity of the sweet crude oil was 34. The sweet crude has an H_2S content of <10 ppm. The line was approximately 1.5 feet bgs at the release point.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was approximately 1,500 ft^2.

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

Signature: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 4/26/2006 Phone:505-441-0965	

Appendix B

Certified Laboratory Analytical Reports

Pace Analytical®

ANALYTICAL REPORT

February 26, 2023

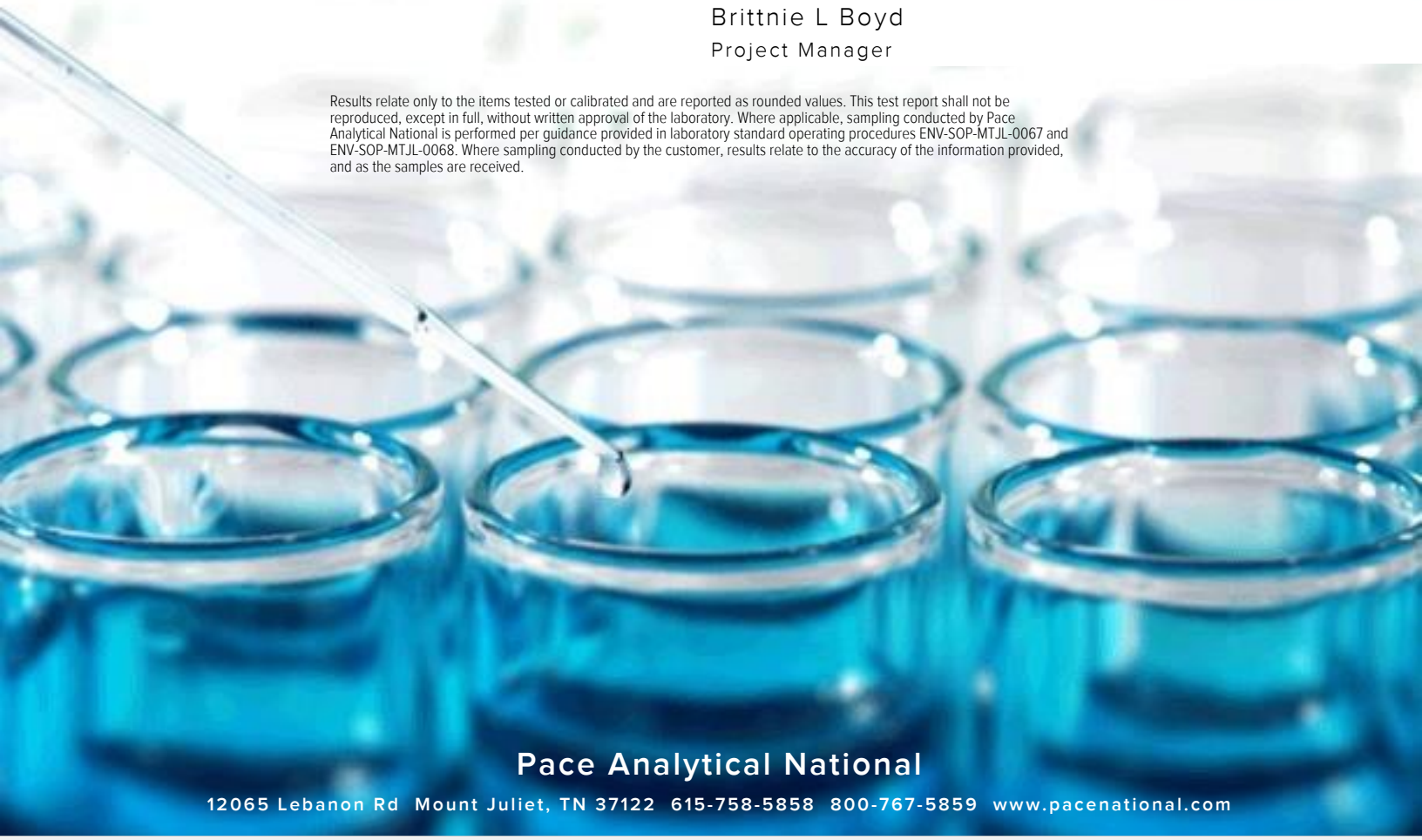
Plains All American, LP - GHD

Sample Delivery Group:	L1587291
Samples Received:	02/18/2023
Project Number:	#2006-142
Description:	Lovington Gathering WTI
Site:	2023 QUARTERLY GROUNDWATER MON
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

MW-11-021623 L1587291-01 GW

Collected by | Collected date/time 02/16/23 12:30 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011468	250	02/23/23 17:28	02/23/23 17:28	KSD	Mt. Juliet, TN

MW-12-021623 L1587291-02 GW

Collected by | Collected date/time 02/16/23 13:10 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 21:17	02/22/23 21:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2011915	10	02/24/23 05:14	02/24/23 05:14	KSD	Mt. Juliet, TN

MW-9-021623 L1587291-03 GW

Collected by | Collected date/time 02/16/23 13:30 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 21:39	02/22/23 21:39	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2011915	1	02/24/23 04:08	02/24/23 04:08	KSD	Mt. Juliet, TN

MW-7-021623 L1587291-04 GW

Collected by | Collected date/time 02/16/23 14:00 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 22:01	02/22/23 22:01	JAH	Mt. Juliet, TN

MW-3R-021623 L1587291-05 GW

Collected by | Collected date/time 02/16/23 14:15 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 22:23	02/22/23 22:23	JAH	Mt. Juliet, TN

MW-5R-021623 L1587291-06 GW

Collected by | Collected date/time 02/16/23 14:30 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 22:45	02/22/23 22:45	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2011915	10	02/24/23 05:36	02/24/23 05:36	KSD	Mt. Juliet, TN

MW-1R-021623 L1587291-07 GW

Collected by | Collected date/time 02/16/23 14:50 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 23:07	02/22/23 23:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2011915	1	02/24/23 04:30	02/24/23 04:30	KSD	Mt. Juliet, TN

MW-4R-021623 L1587291-08 GW

Collected by | Collected date/time 02/16/23 15:05 | Received date/time 02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 23:29	02/22/23 23:29	JAH	Mt. Juliet, TN

MW-2R-021623 L1587291-09 GW

Collected by	Collected date/time	Received date/time
	02/16/23 15:25	02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 23:51	02/22/23 23:51	JAH	Mt. Juliet, TN

DUP-1-021623 L1587291-10 GW

Collected by	Collected date/time	Received date/time
	02/16/23 00:00	02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/23/23 00:13	02/23/23 00:13	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2011915	10	02/24/23 05:58	02/24/23 05:58	KSD	Mt. Juliet, TN

TRIP BLANK L1587291-11 GW

Collected by	Collected date/time	Received date/time
	02/16/23 00:00	02/18/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2011130	1	02/22/23 20:55	02/22/23 20:55	JAH	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: 02/26/2023 23:00
Project Name: Lovington Gathering WTI	Laboratory Job Number: L1587291-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG2011130, WG2011468 and WG2011915

#[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).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 02/26/2023 23:00
Project Name: Lovington Gathering WTI	Laboratory Job Number: L1587291-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG2011130, WG2011468 and WG2011915

#[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: 02/26/2023 23:00
Project Name: Lovington Gathering WTI	Laboratory Job Number: L1587291-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Brittnie L Boyd	Prep Batch Number(s): WG2011130, WG2011468 and WG2011915

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

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.165		0.0475	0.000500	0.125	250	02/23/2023 17:28	WG2011468
Toluene	0.718		0.103	0.00100	0.250	250	02/23/2023 17:28	WG2011468
Ethylbenzene	U		0.0400	0.000500	0.125	250	02/23/2023 17:28	WG2011468
Total Xylene	0.736		0.128	0.00150	0.375	250	02/23/2023 17:28	WG2011468
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/23/2023 17:28*	WG2011468

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	0.395		0.00190	0.000500	0.00500	10	02/24/2023 05:14	WG2011915
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 21:17	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 21:17	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 21:17	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/22/2023 21:17*	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/24/2023 05:14*	WG2011915

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/24/2023 04:08	WG2011915
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 21:39	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 21:39	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 21:39	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*99.4*				*79.0-125*		*02/22/2023 21:39*	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*98.6*				*79.0-125*		*02/24/2023 04:08*	WG2011915

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	02/22/2023 22:01	WG2011130
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 22:01	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 22:01	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 22:01	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*98.5*				*79.0-125*		*02/22/2023 22:01*	WG2011130

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	0.00935		0.000190	0.000500	0.000500	1	02/22/2023 22:23	WG2011130
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 22:23	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 22:23	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 22:23	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/22/2023 22:23*	WG2011130

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	0.772		0.00190	0.000500	0.00500	10	02/24/2023 05:36	WG2011915
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 22:45	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 22:45	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 22:45	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*103*				*79.0-125*		*02/22/2023 22:45*	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/24/2023 05:36*	WG2011915

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/24/2023 04:30	WG2011915
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 23:07	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 23:07	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 23:07	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*99.4*				*79.0-125*		*02/22/2023 23:07*	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*98.7*				*79.0-125*		*02/24/2023 04:30*	WG2011915

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	0.0131		0.000190	0.000500	0.000500	1	02/22/2023 23:29	WG2011130
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 23:29	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 23:29	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 23:29	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/22/2023 23:29*	WG2011130

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	0.000746		0.000190	0.000500	0.000500	1	02/22/2023 23:51	WG2011130
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 23:51	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 23:51	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 23:51	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*99.3*				*79.0-125*		*02/22/2023 23:51*	WG2011130

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	0.520		0.00190	0.000500	0.00500	10	02/24/2023 05:58	WG2011915
Toluene	U		0.000412	0.00100	0.00100	1	02/23/2023 00:13	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/23/2023 00:13	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/23/2023 00:13	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*102*				*79.0-125*		*02/23/2023 00:13*	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*101*				*79.0-125*		*02/24/2023 05:58*	WG2011915

TRIP BLANK
Collected date/time: 02/16/23 00:00
L1587291

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	02/22/2023 20:55	WG2011130
Toluene	U		0.000412	0.00100	0.00100	1	02/22/2023 20:55	WG2011130
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/22/2023 20:55	WG2011130
Total Xylene	U		0.000510	0.00150	0.00150	1	02/22/2023 20:55	WG2011130
(S) a,a,a-Trifluorotoluene(PID)	*100*				*79.0-125*		*02/22/2023 20:55*	WG2011130

Method Blank (MB)

(MB) R3894241-3 02/22/23 20:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*98.6*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3894241-1 02/22/23 18:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0525	105	77.0-122	
Toluene	0.0500	0.0564	113	80.0-121	
Ethylbenzene	0.0500	0.0576	115	80.0-123	
Total Xylene	0.150	0.165	110	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*99.9*	*79.0-125*	

Method Blank (MB)

(MB) R3894567-3 02/23/23 10:23

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

Laboratory Control Sample (LCS)

(LCS) R3894567-1 02/23/23 08:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0474	94.8	77.0-122	
Toluene	0.0500	0.0503	101	80.0-121	
Ethylbenzene	0.0500	0.0521	104	80.0-123	
Total Xylene	0.150	0.147	98.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*101*	*79.0-125*	

Method Blank (MB)

(MB) R3894571-3 02/23/23 20:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*99.2*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3894571-1 02/23/23 19:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0498	99.6	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*102*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
	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: 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: Lovington Gathering WTI

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **SRS2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

Collected by (print): **Erik Seng/Jordan Cheney**

Site/Facility ID # **SRS 2006-142**

P.O. # **SRS #2006-142**

Collected by (signature):

Immediately Packed on Ice N ____ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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

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

SDG # L1587291

F078

Acctnum: **PLAINSGHD**
Template: **T224613**
Prelogin: **P980399**
PM: **Brittnie L Boyd**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL	Remarks	Sample # (lab only)
MW-11-021623	Grab	GW		2-16-23	1230	3	X		
MW-12-021623	Grab	GW		2-16-23	1310	3	X		
MW-9-021623	Grab	GW		2-16-23	1330	3	X		
MW-7-021623	Grab	GW		2-16-23	1400	3	X		
MW-3R-021623	Grab	GW		2-16-23	1415	3	X		
MW-5R-021623	Grab	GW		2-16-23	1430	3	X		
MW-1R-021623	Grab	GW		2-16-23	1450	3	X		
MW-11-021623	Grab	GW		2-16-23	1505	3	X		
MW-4R-021623	Grab	GW		2-16-23	1525	3	X		
DUP-1-021623	Grab	GW		2-16-23		3	X		

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	2/17	1524	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

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

Temp: 0.9 °C 0.9 Bottles Received: 30

Date: 2-18-23 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

2135 S Loop 250 W
Midland, TX 79703

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

Report to: **John Fergerson**

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

Project Description: Lovington Gathering WTI

City/State Collected: **NM**

Please Circle: PT MT CT ET

Phone: **432-894-7848**

Client Project # **SRS2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

Collected by (print): **Erik Seng/Jordan Cheney**

Site/Facility ID # **SRS 2006-142**

P.O. # **SRS #2006-142**

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

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 8021 40mLAmb-HCL
TRIP BLANK	Grab					3	X

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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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 # L1567291

Table #

Acctnum: **PLAINSGHD**

Template: **T224613**

Prelogin: **P980399**

PM: **Brittnie L Boyd**

PB:

Shipped Via:

Remarks | Sample # (lab only)

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	2/7/23	1523		3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSA 6 °C Bottles Received:
				0.9 10 = 0.9 30
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				2-18-23 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

2/18 NCF-L1587291 PLAINSGHD

Shortholds

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

Members

Nicolle Faulk (responsible) BB Brittnie Boyd

Due on *24 February 2023 5:00 PM* for target *Done*

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [x] Client informed by Email
- [ ] Client informed by Voicemail
- [x] Date/Time:___02/22 1607_____
- [x] PM initials:_____BB_____
- [x] Client Contact:_____John Fergerson_____

Comments

Nicolle Faulk *18 February 2023 2:11 PM*

1. Mw-11-021623 listed twice on COC
2. MW-4r has collection date of 1505 (2nd Mw-11)
3. Mw-2r is not listed on COC.. has collection time of 1525 which is time of MW-4R

Please clarify. Containers are in my NCF tub

Brittnie Boyd *22 February 2023 4:08 PM*

Please log the following according to the sample times:

MW-11 - 1230
MW-4R - 1505
MW-2R - 1525

Nicolle Faulk *22 February 2023 4:26 PM*

done

Pace Analytical®

ANALYTICAL REPORT

June 05, 2023

Revised Report

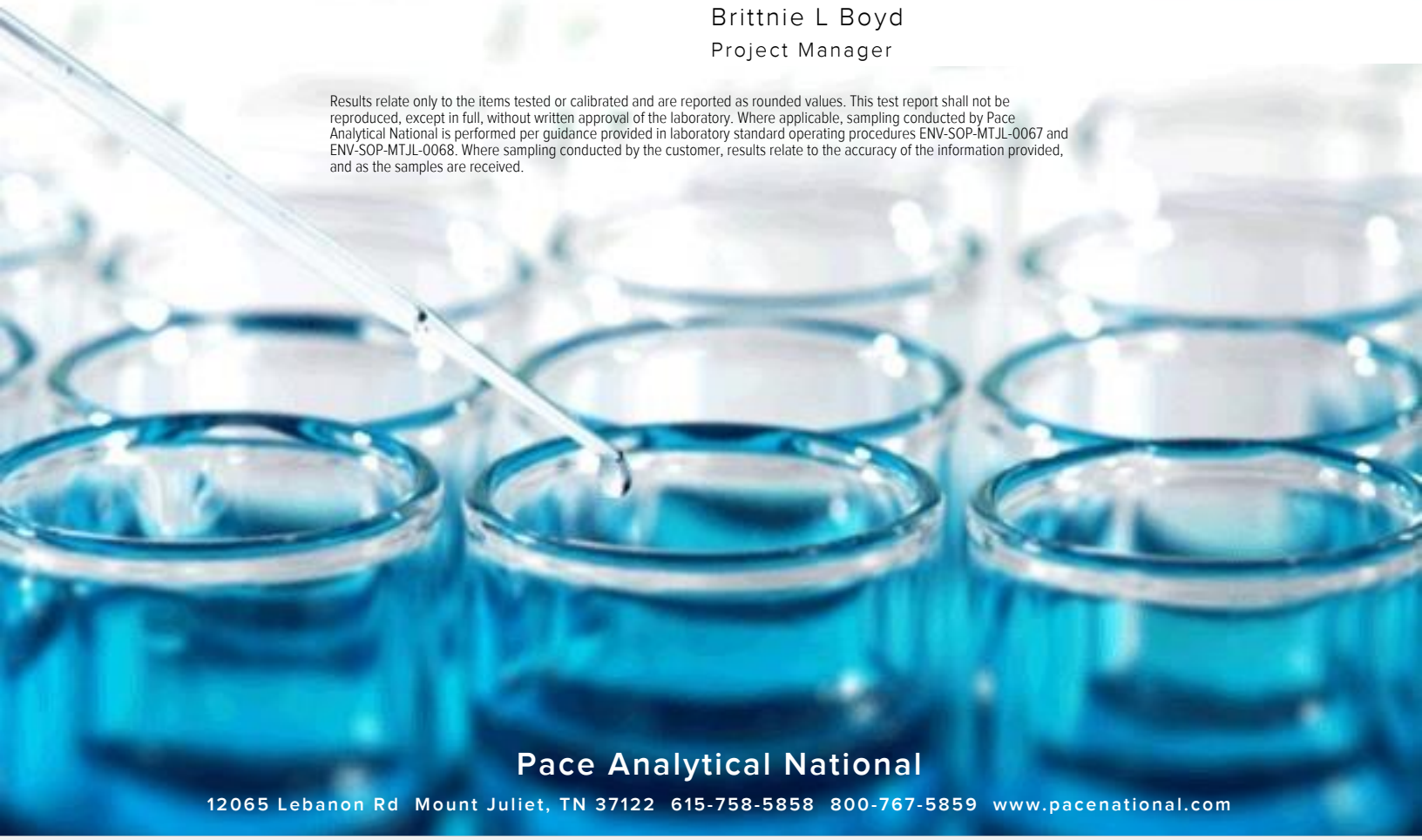
Plains All American, LP - GHD

Sample Delivery Group:	L1610679
Samples Received:	04/29/2023
Project Number:	#2006-142
Description:	Lovington Gathering WTI
Site:	2023 QUARTERLY GROUNDWATER MON
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

LG-MW-12-042623 L1610679-01 GW

Collected by: Erikseng | Collected date/time: 04/26/23 11:30 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 17:24	05/04/23 17:24	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	20	05/09/23 16:49	05/09/23 16:49	KSD	Mt. Juliet, TN

LG-MW-11-042623 L1610679-02 GW

Collected by: Erikseng | Collected date/time: 04/26/23 12:00 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 17:47	05/04/23 17:47	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	1	05/09/23 13:09	05/09/23 13:09	KSD	Mt. Juliet, TN

LG-MW-9-042623 L1610679-03 GW

Collected by: Erikseng | Collected date/time: 04/26/23 12:20 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 18:09	05/04/23 18:09	DWR	Mt. Juliet, TN

LG-MW-7-042623 L1610679-04 GW

Collected by: Erikseng | Collected date/time: 04/26/23 12:40 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 18:31	05/04/23 18:31	DWR	Mt. Juliet, TN

LG-MW-3R-042623 L1610679-05 GW

Collected by: Erikseng | Collected date/time: 04/26/23 13:00 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 18:52	05/04/23 18:52	DWR	Mt. Juliet, TN

LG-MW-5R-042623 L1610679-06 GW

Collected by: Erikseng | Collected date/time: 04/26/23 13:20 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 19:14	05/04/23 19:14	DWR	Mt. Juliet, TN

LG-MW-1R-042623 L1610679-07 GW

Collected by: Erikseng | Collected date/time: 04/26/23 13:40 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 19:36	05/04/23 19:36	DWR	Mt. Juliet, TN

LG-MW-4R-042623 L1610679-08 GW

Collected by: Erikseng | Collected date/time: 04/26/23 14:00 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 19:58	05/04/23 19:58	DWR	Mt. Juliet, TN

LG-MW-2R-042623 L1610679-09 GW

Collected by: Erikseng | Collected date/time: 04/26/23 14:20 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 20:20	05/04/23 20:20	DWR	Mt. Juliet, TN

LG-DUP-1-042623 L1610679-10 GW

Collected by: Erikseng | Collected date/time: 04/26/23 00:00 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 20:42	05/04/23 20:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	20	05/09/23 17:11	05/09/23 17:11	KSD	Mt. Juliet, TN

LG-GOFF DAIRY WELL-042623 L1610679-11 GW

Collected by: Erikseng | Collected date/time: 04/26/23 14:45 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 21:04	05/04/23 21:04	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	1	05/09/23 13:31	05/09/23 13:31	KSD	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2058209	1	05/11/23 12:18	05/11/23 12:18	JAH	Mt. Juliet, TN

LG-GOFF DAIRY WELL PIVOT END-042623 L1610679-12 GW

Collected by: Erikseng | Collected date/time: 04/26/23 14:55 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 21:26	05/04/23 21:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	1	05/09/23 13:53	05/09/23 13:53	KSD	Mt. Juliet, TN

LG-GOFF DAIRY WELL PIVOT BEG-042623 L1610679-13 GW

Collected by: Erikseng | Collected date/time: 04/26/23 15:10 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 21:48	05/04/23 21:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	1	05/09/23 14:15	05/09/23 14:15	KSD	Mt. Juliet, TN

LG-GOFF DAIRY WELL PIVOT WELL-042623 L1610679-14 GW

Collected by: Erikseng | Collected date/time: 04/26/23 15:30 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 22:10	05/04/23 22:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2056118	1	05/09/23 14:37	05/09/23 14:37	KSD	Mt. Juliet, TN

TRIP BLANK L1610679-15 GW

Collected by: Erikseng | Collected date/time: 04/26/23 00:00 | Received date/time: 04/29/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2054319	1	05/04/23 17:02	05/04/23 17:02	DWR	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: 05/10/23 14:13
Level II Report - Version 2: 05/15/23 15:39

Project Narrative

Updated sample ID

Updated Report Layout

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1610679-04	LG-MW-7-042623	8021B
L1610679-06	LG-MW-5R-042623	8021B
L1610679-07	LG-MW-1R-042623	8021B
L1610679-09	LG-MW-2R-042623	8021B
L1610679-14	LG-GOFF DAIRY WELL PIVOT WELL-042623	8021B

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	1.26		0.00380	0.0100	20	05/09/2023 16:49	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 17:24	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 17:24	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 17:24	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*81.9*			*79.0-125*		*05/04/2023 17:24*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*106*			*79.0-125*		*05/09/2023 16:49*	WG2056118

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/09/2023 13:09	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 17:47	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 17:47	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 17:47	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*90.6*			*79.0-125*		*05/04/2023 17:47*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*104*			*79.0-125*		*05/09/2023 13:09*	WG2056118

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/04/2023 18:09	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 18:09	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 18:09	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 18:09	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.8*			*79.0-125*		*05/04/2023 18:09*	WG2054319

Collected date/time: 04/26/23 12:40
L1610679

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	05/04/2023 18:31	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 18:31	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 18:31	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 18:31	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*90.3*			*79.0-125*		*05/04/2023 18:31*	WG2054319

Collected date/time: 04/26/23 13:00
L1610679

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	05/04/2023 18:52	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 18:52	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 18:52	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 18:52	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*90.2*			*79.0-125*		*05/04/2023 18:52*	WG2054319

Collected date/time: 04/26/23 13:20
L1610679

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0392		0.000190	0.000500	1	05/04/2023 19:14	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 19:14	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 19:14	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 19:14	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.2*			*79.0-125*		*05/04/2023 19:14*	WG2054319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000333	J	0.000190	0.000500	1	05/04/2023 19:36	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 19:36	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 19:36	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 19:36	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.5*			*79.0-125*		*05/04/2023 19:36*	WG2054319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0510		0.000190	0.000500	1	05/04/2023 19:58	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 19:58	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 19:58	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 19:58	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*87.5*			*79.0-125*		*05/04/2023 19:58*	WG2054319

Collected date/time: 04/26/23 14:20
L1610679

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.0112		0.000190	0.000500	1	05/04/2023 20:20	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 20:20	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 20:20	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 20:20	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.5*			*79.0-125*		*05/04/2023 20:20*	WG2054319

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	1.29		0.00380	0.0100	20	05/09/2023 17:11	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 20:42	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 20:42	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 20:42	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*81.8*			*79.0-125*		*05/04/2023 20:42*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*106*			*79.0-125*		*05/09/2023 17:11*	WG2056118

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	0.00144		0.000190	0.000500	1	05/04/2023 21:04	WG2054319
Benzene	0.000664		0.000190	0.000500	1	05/09/2023 13:31	WG2056118
Benzene	0.000680	Q	0.000190	0.000500	1	05/11/2023 12:18	WG2058209
Toluene	U		0.000412	0.00100	1	05/04/2023 21:04	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 21:04	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 21:04	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.7*			*79.0-125*		*05/04/2023 21:04*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*105*			*79.0-125*		*05/09/2023 13:31*	WG2056118
(S) a,a,a-Trifluorotoluene(PID)	*91.5*			*79.0-125*		*05/11/2023 12:18*	WG2058209

Sample Narrative:

L1610679-11 WG2054319: Benzene biased high due to carryover from -10.

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	05/09/2023 13:53	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 21:26	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 21:26	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 21:26	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.8*			*79.0-125*		*05/04/2023 21:26*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*105*			*79.0-125*		*05/09/2023 13:53*	WG2056118

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000206	J	0.000190	0.000500	1	05/09/2023 14:15	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 21:48	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 21:48	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 21:48	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*90.1*			*79.0-125*		*05/04/2023 21:48*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*105*			*79.0-125*		*05/09/2023 14:15*	WG2056118

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000217	J	0.000190	0.000500	1	05/09/2023 14:37	WG2056118
Toluene	U		0.000412	0.00100	1	05/04/2023 22:10	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 22:10	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 22:10	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*89.8*			*79.0-125*		*05/04/2023 22:10*	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*106*			*79.0-125*		*05/09/2023 14:37*	WG2056118

TRIP BLANK

SAMPLE RESULTS - 15

Collected date/time: 04/26/23 00:00

L1610679

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	05/04/2023 17:02	WG2054319
Toluene	U		0.000412	0.00100	1	05/04/2023 17:02	WG2054319
Ethylbenzene	U		0.000160	0.000500	1	05/04/2023 17:02	WG2054319
Total Xylene	U		0.000510	0.00150	1	05/04/2023 17:02	WG2054319
(S) a,a,a-Trifluorotoluene(PID)	*90.9*			*79.0-125*		*05/04/2023 17:02*	WG2054319

Method Blank (MB)

(MB) R3922115-3 05/04/23 16:18

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)	*90.6*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3922115-1 05/04/23 15:03

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0490	98.0	77.0-122	
Toluene	0.0500	0.0478	95.6	80.0-121	
Ethylbenzene	0.0500	0.0523	105	80.0-123	
Total Xylene	0.150	0.151	101	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*90.5*	*79.0-125*	

Method Blank (MB)

(MB) R3923035-3 05/09/23 12:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*105*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3923035-1 05/09/23 11:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0522	104	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*104*	*79.0-125*	

Method Blank (MB)

(MB) R3923721-3 05/11/23 10:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*91.9*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3923721-1 05/11/23 09:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0520	104	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*90.8*	*79.0-125*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
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 Reporting Limit (or MDL where applicable).
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.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.

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:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Report to: **John Fergerson**

Email To: **john.fergerson@ghd.com;ryan.livingston@ghd.c**

Project Description: **Lovington Gathering WTI**

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **#2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

Collected by (print): Erik Song

Site/Facility ID # **2023 QUARTERLY**

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

Sample ID	Comp/Grab	Matrix *	Depth ft	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl										
LG-MW-12-042623	G	GW	105 ft	4-26-23	1130	3	X									-01	
LG-MW-11-042623		GW	107		1200		X									-02	
LG-MW-9-042623		GW	104		1220		X									-03	
LG-MW-7-042623		GW	103		1240		X									-04	
LG-MW-3R-042623		GW	102		1300		X									-05	
LG-MW-5R-042623		GW	102		1320		X									-06	
LG-MW-1R-042623		GW	102		1340		X									-07	
LG-MW-9R-042623		GW	102		1400		X									-08	
LG-MW-2R-042623		GW	103		1420		X									-09	
LG ~~MW~~ 1-042623	G	GW	—	—	—	1	X									-10	

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

SDG # L1610679

E125

Acctnum: **PLAINSGHD**
Template: **T224613**
Prelogin: **P994671**
PM: **829 - Brittnie L Boyd**
PB:

Shipped Via:

Remarks | Sample # (lab only)

* Matrix: GW
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
Erik Song	4-27-23	8:00		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: NSN °C / 0.4 Bottles Received: 42	
	4/27/23	1700	SWA		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 04/28/23 Time: 0800	Hold: / Condition: NCF / OK

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

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Report to: **John Fergerson**

Email To: **john.fergerson@ghd.com;ryan.livingston@ghd.c**

Project Description: **Lovington Gathering WTI**

City/State Collected: Lovington, NM

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **#2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

Collected by (print): Eriksen

Site/Facility ID # **2023 QUARTERLY**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y V

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page ___ 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 # L1610679

Table #

Acctnum: **PLAINSGHD**

Template: **T224613**

Prelogin: **P994671**

PM: **829 - Brittnie L Boyd**

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
LG-Goff Dairy well-042623	G	GW	—	4-26-23	1445	3	X		-01
LG-Goff Dairy well pivot End-042623	"	GW	—	"	1455	"	X		-02
LG-Goff Dairy well pivot BEG-042623	"	GW	—	"	1510	"	X		-03
LG-Goff Dairy well pivot well-042623	"	GW	—	"	1530	"	X		-04
Trip Blank						2	X		-05

* 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)
	4-27-23	8:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4-27-23	1700	SWA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: 0.4 NSAT °C Bottles Received: 42

Date: 04/28/23 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

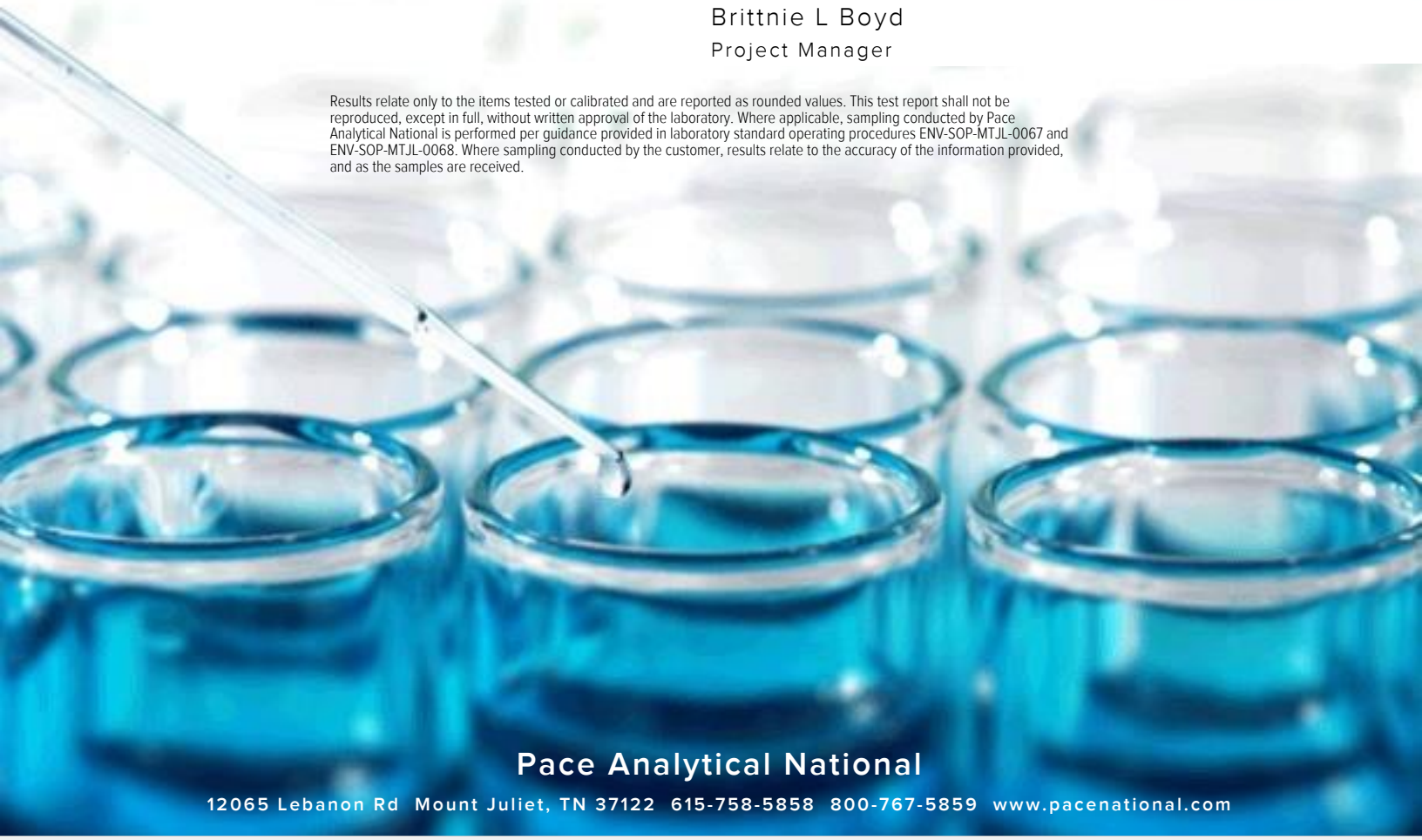
August 07, 2023

Plains All American, LP - GHD

Sample Delivery Group:	L1639852
Samples Received:	07/27/2023
Project Number:	#2006-142
Description:	Lovington Gathering WTI
Site:	2023 QUARTERLY GROUNDWATER MON
Report To:	John Fergerson 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

LG-MW-9-072523 L1639852-01 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 10:00 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 15:44	07/30/23 15:44	DWR	Mt. Juliet, TN

LG-MW-12-072523 L1639852-02 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 10:15 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	20	07/30/23 19:24	07/30/23 19:24	DWR	Mt. Juliet, TN

LG-MW-11-072523 L1639852-03 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 10:45 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 16:06	07/30/23 16:06	DWR	Mt. Juliet, TN

LG-MW-5R-072523 L1639852-04 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 11:15 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 16:28	07/30/23 16:28	DWR	Mt. Juliet, TN

LG-MW-7-072523 L1639852-05 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 11:30 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 16:51	07/30/23 16:51	DWR	Mt. Juliet, TN

LG-MW-1R-072523 L1639852-06 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 12:05 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 17:12	07/30/23 17:12	DWR	Mt. Juliet, TN

LG-MW-2R-072523 L1639852-07 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 11:45 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 17:34	07/30/23 17:34	DWR	Mt. Juliet, TN

LG-MW-3R-072523 L1639852-08 GW

Collected by: JORDAN CHENEY | Collected date/time: 07/25/23 12:45 | Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 17:56	07/30/23 17:56	DWR	Mt. Juliet, TN

LG-CPWELL-072523 L1639852-09 GW

Collected by: JORDAN CHENEY
Collected date/time: 07/25/23 13:10
Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 18:18	07/30/23 18:18	DWR	Mt. Juliet, TN

LG-GDWELL-072523 L1639852-10 GW

Collected by: JORDAN CHENEY
Collected date/time: 07/25/23 13:20
Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 18:40	07/30/23 18:40	DWR	Mt. Juliet, TN

DUP-1-072523 L1639852-11 GW

Collected by: JORDAN CHENEY
Collected date/time: 07/25/23 00:00
Received date/time: 07/27/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2104380	1	07/30/23 19:02	07/30/23 19:02	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2107334	20	08/07/23 03:29	08/07/23 03:29	ACG	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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	07/30/2023 15:44	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 15:44	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 15:44	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 15:44	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*112*			*79.0-125*		*07/30/2023 15:44*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	1.32		0.00380	0.0100	20	07/30/2023 19:24	WG2104380
Toluene	U		0.00824	0.0200	20	07/30/2023 19:24	WG2104380
Ethylbenzene	U		0.00320	0.0100	20	07/30/2023 19:24	WG2104380
Total Xylene	U		0.0102	0.0300	20	07/30/2023 19:24	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*109*			*79.0-125*		*07/30/2023 19:24*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	07/30/2023 16:06	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 16:06	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 16:06	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 16:06	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*111*			*79.0-125*		*07/30/2023 16:06*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0313		0.000190	0.000500	1	07/30/2023 16:28	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 16:28	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 16:28	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 16:28	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*109*			*79.0-125*		*07/30/2023 16:28*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	07/30/2023 16:51	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 16:51	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 16:51	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 16:51	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*111*			*79.0-125*		*07/30/2023 16:51*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000263	J	0.000190	0.000500	1	07/30/2023 17:12	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 17:12	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 17:12	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 17:12	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*111*			*79.0-125*		*07/30/2023 17:12*	WG2104380

Collected date/time: 07/25/23 11:45
L1639852

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00502		0.000190	0.000500	1	07/30/2023 17:34	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 17:34	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 17:34	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 17:34	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*		*07/30/2023 17:34*	WG2104380

Collected date/time: 07/25/23 12:45
L1639852

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	07/30/2023 17:56	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 17:56	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 17:56	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 17:56	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*		*07/30/2023 17:56*	WG2104380

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	07/30/2023 18:18	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 18:18	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 18:18	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 18:18	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*		*07/30/2023 18:18*	WG2104380

Collected date/time: 07/25/23 13:20
L1639852

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	1	07/30/2023 18:40	WG2104380
Toluene	U		0.000412	0.00100	1	07/30/2023 18:40	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 18:40	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 18:40	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*110*			*79.0-125*		*07/30/2023 18:40*	WG2104380

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	1.36		0.00380	0.0100	20	08/07/2023 03:29	WG2107334
Toluene	U		0.000412	0.00100	1	07/30/2023 19:02	WG2104380
Ethylbenzene	U		0.000160	0.000500	1	07/30/2023 19:02	WG2104380
Total Xylene	U		0.000510	0.00150	1	07/30/2023 19:02	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*99.6*			*79.0-125*		*07/30/2023 19:02*	WG2104380
(S) a,a,a-Trifluorotoluene(PID)	*113*			*79.0-125*		*08/07/2023 03:29*	WG2107334

Method Blank (MB)

(MB) R3956525-3 07/30/23 11:40

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)	*112*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3956525-1 07/30/23 09:49

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0499	99.8	77.0-122	
Toluene	0.0500	0.0490	98.0	80.0-121	
Ethylbenzene	0.0500	0.0520	104	80.0-123	
Total Xylene	0.150	0.151	101	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*110*	*79.0-125*	

Method Blank (MB)

(MB) R3957691-3 08/07/23 02:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	*114*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3957691-2 08/07/23 01:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0532	106	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			*113*	*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.
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 Reporting Limit (or MDL where applicable).
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	LAO000356
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:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

Report to: **John Fergerson**

Email To: **john.fergerson@ghd.com;ryan.livingston@ghd.c**

Project Description: **Lovington Gathering WTI**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **#2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

SDG # L1639852

J107

Collected by (print): Jordan Cheney

Site/Facility ID # **2023 QUARTERLY**

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

Acctnum: **PLAINSGHD**
Template: **T224613**
Prelogin: **P1013378**
PM: **829 - Brittnie L Boyd**
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
LG-MW-9-072523	G	GW		7-25-23	1000		X		-01
LG-MW-12-072523	"	GW		"	1015		"		-02
LG-MW-11-072523	"	GW		"	1045		"		-03
LG-MW-5R-072523	"	GW		"	1115		"		-04
LG-MW-7-072523	"	GW		"	1130		"		-05
LG-MW-1R-072523	"	GW		"	1205		"		-06
LG-MW-2R-072523	"	GW		"	1145		"		-07
LG-MW-3R-072523	"	GW		"	1245		"		-08
LG-CPwell-072523	"	GW		"	1310		"		-09
LG-GDwell-072523	"	GW		"	1320		"		-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

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

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
	7/26/23	9:30			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp GUN 2.1 to 2.1 °C	Bottles Received: 33
	7/26/23	1000	SWA		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/27/23	Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

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

Report to:
John Fergerson

Email To:
john.fergerson@ghd.com;ryan.livingston@ghd.c

Project Description:
Lovington Gathering WTI

City/State Collected:

Please Circle:
PT MT CT ET

Phone: **432-686-0086**

Client Project #
#2006-142

Lab Project #
PLAINSGHD-SRS2006142

SDG # L1639852

Table #

Collected by (print):
Jordan Cheney

Site/Facility ID #
2023 QUARTERLY

P.O. #

Acctnum: **PLAINSGHD**
Template: **T224613**
Prelogin: **P1013378**
PM: **829 - Brittnie L Boyd**
PB:

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

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
DUP-1-072523	G	GW		7-25-23			X		-11
		GW							
		GW							
		GW							

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

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
	7/26/23	930		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.8 °C Bottles Received: 33
	7/26/23	1000		2.1+0=2.1
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07/27/23 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Pace Analytical®

ANALYTICAL REPORT

August 10, 2023

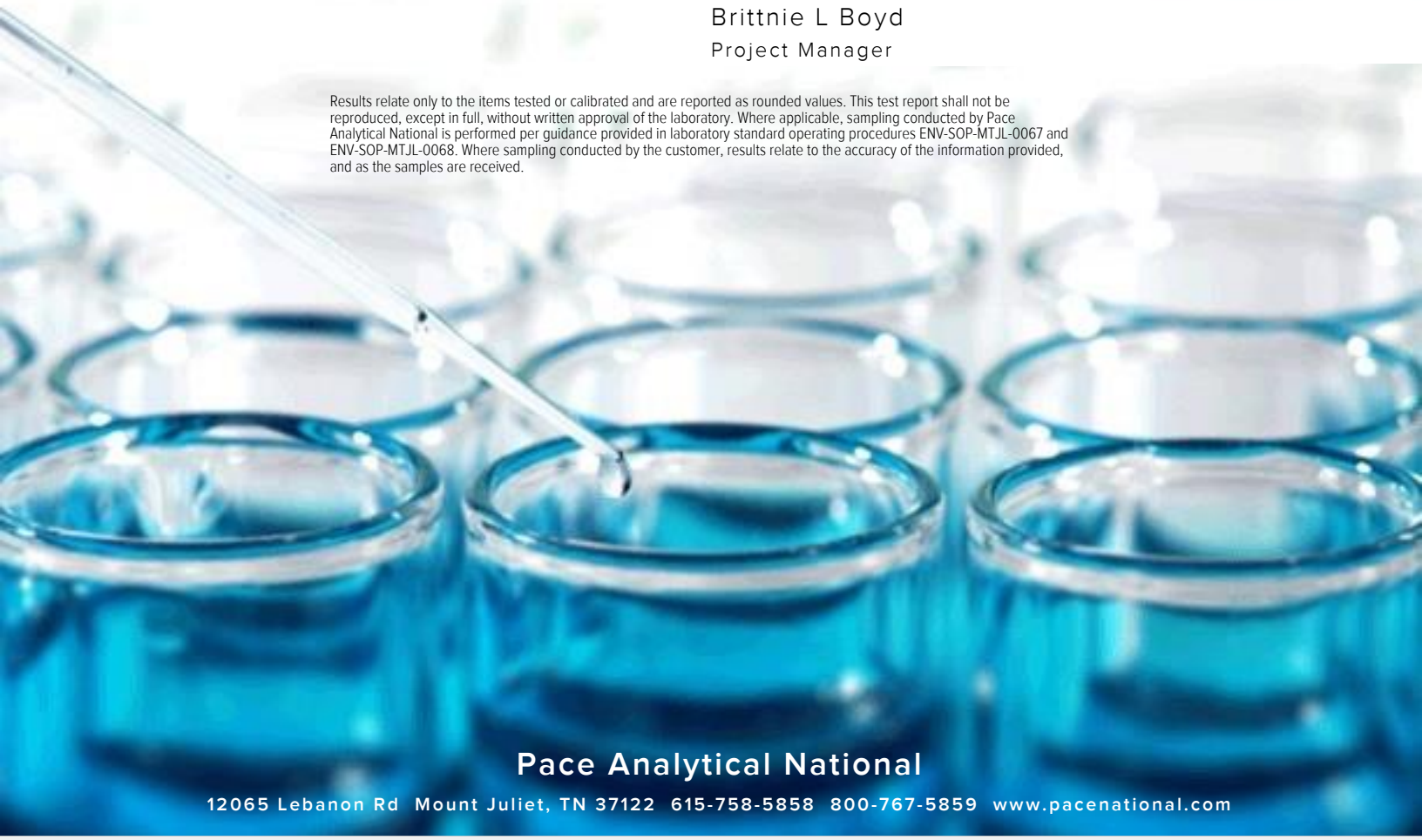
Plains All American, LP - GHD

Sample Delivery Group:	L1641238
Samples Received:	08/01/2023
Project Number:	SRS 2006-142
Description:	Lovington Gathering WTI
Site:	SRS 2006-142
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

SAMPLE SUMMARY

LG-(MW-4R)-07282023 L1641238-01 GW

			Collected by	Collected date/time	Received date/time
			JS	07/28/23 11:40	08/01/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2110019	20	08/08/23 21:11	08/08/23 21:11	ADM	Mt. Juliet, TN

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

Brittnie L Boyd
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1641238-01	LG-(MW-4R)-07282023	8021B

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0100	20	08/08/2023 21:11	WG2110019
Toluene	ND		0.0200	20	08/08/2023 21:11	WG2110019
Ethylbenzene	ND		0.0100	20	08/08/2023 21:11	WG2110019
Total Xylene	ND		0.0300	20	08/08/2023 21:11	WG2110019
(S) a,a,a-Trifluorotoluene(PID)	*112*		*79.0-125*		*08/08/2023 21:11*	WG2110019

Sample Narrative:

L1641238-01 WG2110019: Elevated RL due to sample matrix.

Method Blank (MB)

(MB) R3958700-4 08/08/23 16:53

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	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	*115*			*79.0-125*

Laboratory Control Sample (LCS)

(LCS) R3958700-1 08/08/23 15:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0446	89.2	77.0-122	
Toluene	0.0500	0.0446	89.2	80.0-121	
Ethylbenzene	0.0500	0.0476	95.2	80.0-123	
Total Xylene	0.150	0.137	91.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*114*	*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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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 Reporting Limit (or MDL where applicable).
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, L.P. - GHD
2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Karolanne Hudgens
1106 Griffith Drive
Midland, TX 79706

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___of___
12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at:
https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Report to:
John Fergerson

Email To: john.fergerson@ghd.com
Karolanne.Hudgens@plains.com

Project Description:
Lovington Gathering WTI

City/State Collected: New Mexico

Please Circle: PT MT CT ET

SDG # 164123

A179

Phone:
(432) 894-7848

Client Project #
SRS 2006-142

Lab Project #
PLAINSGHD-SRS2006142

Collected by (print):
Jonathan Sulings

Site/Facility ID #
SRS 2006-142

P.O. #
SRS 2006-142

Collected by (signature):
Immediately
Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
___Same Day ___X Five Day
___Next Day ___5 Day (Rad Only)
___Two Day ___10 Day (Rad Only)
___Three Day

Quote #

Date Results Needed

No. of Cntrs

BTEX 40mlAmb-HCL

Acctnum: PLAINSGHD
Template:
Prelogin:
PM: 829 - Brittnie Boud
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCL	Remarks	Sample # (lab only)
LG-(MW-4R)-07282023	G	GW		7/28/2023	1140	3	X		-01

* 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 # 6426 8308 6593

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
	7/31/23	1105			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 6.8 °C Bottles Received:	
	7/31/23	1700	FedEx	3.6-3.6 3	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF
				08/01/23 0900	OK

ANALYTICAL REPORT

November 10, 2023

Plains All American, LP - GHD

Sample Delivery Group:	L1673197
Samples Received:	11/02/2023
Project Number:	#2006-142
Description:	Lovington Gathering WTI
Site:	2023 QUARTERLY GROUNDWATER MON
Report To:	John Fergerson 2135 S Loop 250 W Midland, TX 79703

Entire Report Reviewed By:

Mark W. Beasley
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

LG-MW-3R-103123 L1673197-01 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 09:30 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 06:12	11/06/23 06:12	ACG	Mt. Juliet, TN

LG-MW-7-103123 L1673197-02 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 10:15 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 06:34	11/06/23 06:34	ACG	Mt. Juliet, TN

LG-MW-9-103123 L1673197-03 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 11:00 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 06:57	11/06/23 06:57	ACG	Mt. Juliet, TN

LG-MW-11-103123 L1673197-04 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 11:30 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 07:19	11/06/23 07:19	ACG	Mt. Juliet, TN

LG-MW-1R-103123 L1673197-05 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 12:00 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 07:42	11/06/23 07:42	ACG	Mt. Juliet, TN

LG-MW-4R-103123 L1673197-06 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 12:45 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 08:05	11/06/23 08:05	ACG	Mt. Juliet, TN

LG-MW-12-103123 L1673197-07 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 13:00 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2165464	20	11/06/23 22:38	11/06/23 22:38	ACG	Mt. Juliet, TN

LG-MW-2R-103123 L1673197-08 GW

Collected by: Hector Orosco | Collected date/time: 10/31/23 13:30 | Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 08:27	11/06/23 08:27	ACG	Mt. Juliet, TN

LG-MW-5R-103123 L1673197-09 GW

Collected by: Hector Orosco
Collected date/time: 10/31/23 14:00
Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 08:50	11/06/23 08:50	ACG	Mt. Juliet, TN

LG-DUP-1-103123 L1673197-10 GW

Collected by: Hector Orosco
Collected date/time: 10/31/23 00:00
Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	20	11/06/23 09:12	11/06/23 09:12	ACG	Mt. Juliet, TN

TRIP BLANK L1673197-11 GW

Collected by: Hector Orosco
Collected date/time: 10/31/23 00:00
Received date/time: 11/02/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2164888	1	11/06/23 02:26	11/06/23 02:26	ACG	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.

Mark W. Beasley
Project Manager

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 06:12	WG2164888
Toluene	ND		0.00100	1	11/06/2023 06:12	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 06:12	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 06:12	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 06:12*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 06:34	WG2164888
Toluene	ND		0.00100	1	11/06/2023 06:34	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 06:34	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 06:34	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 06:34*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 06:57	WG2164888
Toluene	ND		0.00100	1	11/06/2023 06:57	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 06:57	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 06:57	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 06:57*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 07:19	WG2164888
Toluene	ND		0.00100	1	11/06/2023 07:19	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 07:19	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 07:19	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 07:19*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 07:42	WG2164888
Toluene	ND		0.00100	1	11/06/2023 07:42	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 07:42	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 07:42	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*102*		*79.0-125*		*11/06/2023 07:42*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00815		0.000500	1	11/06/2023 08:05	WG2164888
Toluene	ND		0.00100	1	11/06/2023 08:05	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 08:05	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 08:05	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*102*		*79.0-125*		*11/06/2023 08:05*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.865		0.0100	20	11/06/2023 22:38	WG2165464
Toluene	ND		0.0200	20	11/06/2023 22:38	WG2165464
Ethylbenzene	ND		0.0100	20	11/06/2023 22:38	WG2165464
Total Xylene	ND		0.0300	20	11/06/2023 22:38	WG2165464
(S) a,a,a-Trifluorotoluene(PID)	*102*		*79.0-125*		*11/06/2023 22:38*	WG2165464

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 08:27	WG2164888
Toluene	ND		0.00100	1	11/06/2023 08:27	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 08:27	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 08:27	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 08:27*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 08:50	WG2164888
Toluene	ND		0.00100	1	11/06/2023 08:50	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 08:50	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 08:50	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 08:50*	WG2164888

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.835		0.0100	20	11/06/2023 09:12	WG2164888
Toluene	ND		0.0200	20	11/06/2023 09:12	WG2164888
Ethylbenzene	ND		0.0100	20	11/06/2023 09:12	WG2164888
Total Xylene	ND		0.0300	20	11/06/2023 09:12	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*102*		*79.0-125*		*11/06/2023 09:12*	WG2164888

TRIP BLANK
Collected date/time: 10/31/23 00:00
L1673197

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/06/2023 02:26	WG2164888
Toluene	ND		0.00100	1	11/06/2023 02:26	WG2164888
Ethylbenzene	ND		0.000500	1	11/06/2023 02:26	WG2164888
Total Xylene	ND		0.00150	1	11/06/2023 02:26	WG2164888
(S) a,a,a-Trifluorotoluene(PID)	*103*		*79.0-125*		*11/06/2023 02:26*	WG2164888

Method Blank (MB)

(MB) R3995960-3 11/06/23 01:39

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

Laboratory Control Sample (LCS)

(LCS) R3995960-1 11/05/23 21:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0512	102	77.0-122	
Toluene	0.0500	0.0484	96.8	80.0-121	
Ethylbenzene	0.0500	0.0510	102	80.0-123	
Total Xylene	0.150	0.148	98.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*105*	*79.0-125*	

Method Blank (MB)

(MB) R3997512-3 11/06/23 22:05

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

Laboratory Control Sample (LCS)

(LCS) R3997512-1 11/06/23 20:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0530	106	77.0-122	
Toluene	0.0500	0.0490	98.0	80.0-121	
Ethylbenzene	0.0500	0.0542	108	80.0-123	
Total Xylene	0.150	0.157	105	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			*104*	*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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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 Reporting Limit (or MDL where applicable).
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:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Report to:
John Fergerson

Email To:
john.fergerson@ghd.com;Simon.Kozik@ghd.co

Project Description:
Lovington Gathering WTI

City/State Collected: Lea, County NM

Please Circle: PT (MT) CT ET

Phone: **432-686-0086**

Client Project #
#2006-142

Lab Project #
PLAINSGHD-SRS2006142

Collected by (print):
Hector Orosco

Site/Facility ID #
2023 QUARTERLY

P.O. #

Collected by (signature):
Hector Orosco

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 Page 1 of 3

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 # 167319 7
B020

Acctnum: **PLAINSGHD**
Template: **T224613**
Prelogin: **P1033796**
PM: **829 - Brittnie L Boyd**
PB: DR 10.25.23

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
LG-MW-3R-103123		GW		10-31-23	0930	3	X		-01
LG-MW-7-103123		GW		10-31-23	1015	3	X		-02
LG-MW-9-103123		GW		10-31-23	1100	3	X		-03
LG-MW-11-103123		GW		10-31-23	1130	3	X		-04
LG-MW-1R-103123		GW		10-31-23	1200	3	X		-05
LG-MW-4R-103123		GW		10-31-23	1245	3	X		-06
LG-MW-12-103123		GW		10-31-23	1300	3	X		-07
LG-MW-2R-103123		GW		10-31-23	1330	3	X		-08
LG-MW-5R-103123		GW		10-31-23	1400	3	X		-09
LG-DUP-1-103123		GW		10-31-23		3	X		-10

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 7019 5686 1095

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

11/2/23

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes) / No HCl / MeoH TBR
Hector Orosco	11-1-23	1215		2
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: DPA8 2.6+0=2.6
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-2-23 Time: 9:00

If preservation required by Login: Date/Time

Hold:

Condition: (NCF) / OK

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

2135 S Loop 250 W
Midland, TX 79703

Billing Information:
Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres Chk

Report to: **John Fergerson**

Email To: **john.fergerson@ghd.com;Simon.Kozik@ghd.co**

Project Description: **Lovington Gathering WTI**

City/State Collected: Lea, County NM

Please Circle: PT MT CT ET

Phone: **432-686-0086**

Client Project # **#2006-142**

Lab Project # **PLAINSGHD-SRS2006142**

Collected by (print): Hector Orosco

Site/Facility ID # **2023 QUARTERLY**

P.O. #

Collected by (signature):

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	X BTEX 40ml Amb-HCl										Remarks	Sample # (lab only)
Trip Blank		GW				2	X											-11
		GW																
		GW																
		GW																
		GW																
		GW																

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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

SDG # 673197

Table #

Acctnum: **PLAINSGHD**

Template: **T224613**

Prelogin: **P1033796**

PM: **829 - Brittnie L Boyd**

PB: LR 10-25-23

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 # 7019 5686 1095

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

11/2/23

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: (Yes / No) HCL / MeoH TBR	
	11-1-23	1215		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
				DPAB 2.6 40: 2.6	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
				11-2-23 0:00	

11/02-NCF-L1673197-PLAINSGHD PM

R5

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

Members

Paul Minnich (responsible)

- [ ] Parameter(s) past holding time
- [ ] Temperature not in range
- [ ] Improper container type
- [ ] pH not in range
- [ ] Insufficient sample volume
- [ ] Sample is biphasic
- [ ] Vials received with headspace
- [ ] Broken container
- [ ] Sufficient sample remains
- [ ] If broken container: Insufficient packing material around container
- [ ] If broken container: Insufficient packing material inside cooler
- [ ] If broken container: Improper handling by carrier:_____
- [ ] If broken container: Sample was frozen
- [ ] If broken container: Container lid not intact
- [ ] Client informed by Call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Paul Minnich *2 November 2023 11:24 PM*

Samples MW-3R, MW-11, MW-5R, and DUP-1 received one vial each damaged due to freezing.

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 346764

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 346764
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for Lovington Gathering WTI: content satisfactory 1. Continue to conduct quarterly groundwater monitoring and gauging for product as prescribed in report. 2. Continue to analyze for BTEX by EPA method SW846-8021B and from the JW House Well if access is available. If access is not granted, please note why in next report. 3. BTEX abatement in wells: MW-1R, MW-2R, MW-4R, MW-5R, and MW-12 may be suspended. 4. Plains may suspend ORC sock use in MW-3R, MW-4R, MW-5R and MW-12 5. Submit the 2024 annual report to OCD by April 1, 2025. 6. Take groundwater samples for analysis from the Goff Dairy Well, Goff Dairy Center Pivot Irrigation System, if they are in operation during the sampling collection period.	7/8/2024