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Our ref: 12604537-Buchanan-2 – Rev. 2

September 30, 2025

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

2024 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 this revised *2024 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 2024 in accordance with the NMOCD's recommendations in response to the *2023 Annual Groundwater Monitoring Report* and incorporates the comments provided by the NMOCD on September 26, 2025, in response to the original *2024 Annual Groundwater Monitoring Report* submittal.

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

Regards,

A handwritten signature in black ink, appearing to read "A. Copeland", written over a horizontal line.

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Encl.: 2024 Annual Groundwater Monitoring Report



2024 Annual Groundwater Monitoring Report

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

Plains All American Pipeline, L.P.

September 30, 2025

➔ **The Power of Commitment**

Contents

1.	Introduction and Site History	1
2.	Groundwater Monitoring	2
2.1	Monitoring Well Gauging	2
2.2	Groundwater Sampling	2
2.3	Quality Assurance/Quality Control	3
2.4	Analytical Results	3
3.	Remediation Activities	3
4.	Summary and Recommendations	4
4.1	Summary	4
4.2	Recommendations	4

Table index

Table 1a	Summary of Groundwater Elevation Data (2021-2024)
Table 1b	Summary of Groundwater Elevation Data (Historical)
Table 2a	Summary of Groundwater Analytical Results (2021-2024)
Table 2b	Summary of Groundwater Analytical Results (Historical)

Figure index

Figure 1	Site Location Map
Figure 2	Site Details Map
Figure 3	Potentiometric Surface Map (February 2024)
Figure 4	Potentiometric Surface Map (May 2024)
Figure 5	Potentiometric Surface Map (August 2024)
Figure 6	Potentiometric Surface Map (November 2024)
Figure 7	COC Concentrations in Groundwater Map (February 2024)
Figure 8	COC Concentrations in Groundwater Map (May 2024)
Figure 9	COC Concentrations in Groundwater Map (August 2024)
Figure 10	COC Concentrations in Groundwater Map (November 2024)

Appendices

Appendix A	Release Notification and Corrective Action, Form C-141
Appendix B	Certified Laboratory Analytical Reports

1. Introduction and Site History

This report presents the results of the groundwater monitoring activities conducted during 2024 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 (ft²). 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 ft wide with an approximate depth of 5-6 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 (P&A) 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, 2023, 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. All ORC filter socks were removed from the Site on March 21, 2024.

Currently, the Site has a network of twelve groundwater monitoring wells (MW-1R through MW-6R MW-7, MW-9, and MW-11 through MW-16) 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 2024 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 28-29, May 23-24, August 21-22 and 29-30, and November 20-21, 2024. Samples from the third quarterly monitoring event on August 21-22 were received out of temperature due to shipping delays; therefore, all wells were resampled on August 29-30. 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 28-29, May 23-24, August 21-22, and November 20-21, 2024, GHD personnel measured the approximate depth to groundwater in monitoring wells MW-1R through MW-6R MW-7, MW-9, and MW-11 through MW-16 using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory grade detergent and purified water prior to gauging each monitoring well. No wells were gauged with a measurable thickness of light non-aqueous phase liquid (LNAPL) during any of the monitoring events in 2024. Depth to groundwater, LNAPL thickness, and calculated groundwater elevations are summarized in Tables 1a and 1b.

Based on the data collected in 2024, groundwater flow is generally southeast and is consistent with historical data for the Site. The groundwater gradient was calculated at 0.006 foot per linear foot (ft/ft) in February, 0.011 ft/ft in May, 0.011 ft/ft in August, and 0.003 ft/ft in November. Groundwater potentiometric surface maps are presented as Figures 3 through 6.

2.2 Groundwater Sampling

Following gauging during each quarterly monitoring event in 2024, GHD personnel utilized clean, disposable, polyethylene (PE) 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 in February 2024 and ALS Environmental Laboratory in Houston, Texas in May, August, and November 2024. Analyses of BTEX were performed according to the United States Environmental Protection Agency (USEPA) Method SW846-8021B for the February event and according to the USEPA Method SW846-8260 for the May, August, and November events. Additionally, samples taken in the May and November events were analyzed for Methane and Ethene by EPA Method RSK-175, Manganese by EPA Method SW6022A, Iron by EPA Method SW6022A (dissolved), Nitrogen, Nitrate (As N), and Sulfate by EPA Method E300 and Chemical Oxygen Demand by EPA Method E410.4 to complete a Monitored Natural Attenuation (MNA) Evaluation.

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 only accessible during the November 2024 quarterly event. 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 2024 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-14 during the first quarterly monitoring event, MW-12, MW-13, and MW-14 during the second quarterly monitoring event, MW-3R, MW-4R, MW-12, MW-13, MW-14, and MW-15 during the third quarterly monitoring event, and MW-3R, MW-4R, MW-12, MW-14, and MW-15 during the fourth quarter monitoring event.
- Ethylbenzene, toluene and xylenes concentrations in groundwater were below NMWQCC standards in all samples collected in 2024.
- All samples from the Goff Dairy Center Pivot Irrigation System, the Goff Dairy Well, and the JW House Well were below NMWQCC standards.

3. Remediation Activities

GHD personnel visited the Site in January, February, and March to conduct BTEX abatement for monitoring wells with BTEX exceedances, which included MW-1R through MW-5R and MW-12. During each 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. ORC filter socks were removed from MW-3R, MW-4R, MW-5R, and MW-12.

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-3R, MW-4R, MW-6R, MW-12, MW-13, MW-14, and MW-15 in 2024.
- Toluene, ethylbenzene, and xylene concentrations were below the NMWQCC Groundwater Remediation and Delineation Limits for all sample collected in 2024.
- LNAPL was not detected in any monitoring well during any groundwater monitoring event in 2024.
- ORC filter socks were removed from MW-3R, MW-4R, MW-5R, and MW-12.
- The groundwater flow direction was to the southeast during the quarterly events. The average gradient of the potentiometric surface was 0.008 ft./ft.
- The potentiometric surface indicates groundwater elevations have inclined an average of 0.58 ft. between November 2023 and November 2024. 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 March quarterly monitoring event and the JW House Well was sampled during the November quarterly monitoring event. Analytical results indicated that both the well and the irrigation system exhibited BTEX concentrations below the NMWQCC Groundwater Remediation and Delineation Limits.

4.2 Recommendations

Based on the results of the 2024 groundwater monitoring events, GHD recommends the following in 2025:

- Modify sampling plan from a quarterly to a semi-annual sampling schedule. Perform semi-annual groundwater monitoring events for sampling of groundwater and analysis of BTEX by USEPA Method SW846-8260 for all Site 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 USEPA Method SW846-8260 from the off-Site JW House Well if open access to the property is available.

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)
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	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	2/21/21	3806.62	97.81	--	--	3708.81	108.26
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
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	2/21/22	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

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	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
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	5/26/23	3806.62	--	--	--	3806.62	108.29
MW-1R	5/31/23	3806.62	101.04	--	--	3705.58	108.29
MW-1R	5/31/23	--	101.04	--	--	--	--
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-1R	2/29/24	3806.62	101.32	--	--	3705.30	106.89
MW-1R	3/21/24	3806.62	101.32	--	--	3705.30	106.89
MW-1R	5/23/24	3806.62	101.95	--	--	3704.67	106.86
MW-1R	8/22/24	3806.62	102.85	--	--	3703.77	106.93
MW-1R	11/20/24	3806.62	102.47	--	--	3704.72	107.15
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

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	2/24/21	3806.38	96.99	--	--	3709.39	--
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

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	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
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	5/26/23	3806.38	--	--	--	3806.38	109.14
MW-2R	5/31/23	3806.38	101.78	--	--	3704.60	109.14
MW-2R	5/31/23	--	101.78	--	--	--	--
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	--	--	--	--	--	109.14
MW-2R	10/31/23	3806.38	103.94	--	--	3702.44	--
MW-2R	2/29/24	3806.38	101.71	--	--	3704.67	108.16
MW-2R	3/21/24	3806.38	101.61	--	--	3704.77	108.16
MW-2R	5/23/24	3806.38	102.58	--	--	3703.80	108.13
MW-2R	8/22/24	3806.38	104.89	--	--	3701.49	108.25
MW-2R	11/20/24	3806.38	102.68	--	--	3703.70	108.22
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	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	3/31/21	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
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

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	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	5/26/23	3806.15	--	--	--	3806.15	109.14
MW-3R	5/31/23	3806.15	101.01	--	--	3705.14	109.14
MW-3R	5/31/23	3806.15	101.01	--	--	3705.14	--
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	9/8/23	3806.15	103.29	--	--	3702.86	--
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-3R	11/30/23	3806.15	102.27	--	--	3703.88	103.24
MW-3R	12/8/23	3806.15	102.98	--	--	3703.17	--
MW-3R	12/12/23	3806.15	103.12	--	--	3703.03	--
MW-3R	1/3/24	3806.15	103.13	--	--	3703.02	--
MW-3R	1/9/24	3806.15	103.14	--	--	3703.01	--
MW-3R	1/16/24	3806.15	103.18	--	--	3702.97	--
MW-3R	1/23/24	3806.15	103.12	--	--	3703.03	--
MW-3R	2/16/24	3806.15	104.61	--	--	3701.54	--
MW-3R	2/29/24	3806.15	101.33	--	--	3703.01	108.93
MW-3R	3/21/24	3806.15	101.21	--	--	3704.94	108.93
MW-3R	4/3/24	3806.15	101.02	--	--		
MW-3R	5/23/24	3806.15	102.12	--	--	3704.03	108.91
MW-3R	8/22/24	3806.15	104.32	--	--	3701.83	109.00
MW-3R	11/20/24	3806.15	102.24	--	--	3703.91	109.02
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	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)

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	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
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

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)
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	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	5/26/23	3806.67	--	--	--	3806.67	109.10
MW-4R	5/31/23	3806.67	101.36	--	--	3705.31	109.10
MW-4R	5/31/23	3806.67	101.36	--	--	3705.31	--
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	9/8/23	3806.67	103.38	--	--	3703.29	--
MW-4R	9/21/23	3806.67	103.61	--	--	3703.06	--
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-4R	11/30/23	3806.67	102.63	--	--	3704.04	108.57
MW-4R	12/8/23	3806.67	103.14	--	--	3703.53	--
MW-4R	12/12/23	3806.67	103.11	--	--	3703.56	--
MW-4R	1/3/24	3806.67	103.09	--	--	3703.58	--
MW-4R	1/9/24	3806.67	103.12	--	--	3703.55	--
MW-4R	1/16/24	3806.67	103.10	--	--	3703.57	--
MW-4R	1/23/24	3806.67	103.11	--	--	3703.56	--
MW-4R	2/16/24	3806.67	102.80	--	--	3703.87	--
MW-4R	2/29/24	3806.67	101.66	--	--	3703.55	108.54
MW-4R	3/21/24	3806.67	101.63	--	--	3705.04	108.54
MW-4R	4/3/24	3806.67	101.36	--	--		
MW-4R	5/23/24	3806.67	102.31	--	--	3704.36	108.53
MW-4R	8/22/24	3806.67	104.40	--	--	3702.27	108.68
MW-4R	11/20/24	3806.67	102.87	--	--	3703.80	108.51
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

Table 1a

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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	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	5/26/23	3806.46	--	--	--	3806.46	107.49
MW-5R	5/31/23	3806.46	100.81	--	--	3705.65	107.49
MW-5R	5/31/23	3806.46	100.81	--	--	3705.65	--
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
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	9/8/23	3806.46	102.78	--	--	3703.68	--
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-5R	11/30/23	--	--	--	--	--	--
MW-5R	12/8/23	3806.46	102.51	--	--	3703.95	--
MW-5R	12/12/23	3806.46	102.48	--	--	3703.98	--
MW-5R	1/3/24	3806.46	102.53	--	--	3703.93	--
MW-5R	1/9/24	3806.46	102.45	--	--	3704.01	--
MW-5R	1/16/24	3806.46	102.41	--	--	3704.05	--
MW-5R	1/23/24	3806.46	102.49	--	--	3703.97	--
MW-5R	2/16/24	3806.46	102.23	--	--	3704.23	--
MW-5R	2/29/24	3806.46	101.19	--	--	3704.01	108.19
MW-5R	3/21/24	3806.46	101.17	--	--	3705.29	108.19
MW-5R	4/3/24	3806.46	100.85	--	--		

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-5R	5/23/24	3806.46	101.83	--	--	3704.63	108.15
MW-5R	8/22/24	3806.46	103.76	--	--	3702.70	108.75
MW-5R	11/20/24	3806.46	102.23	--	--	3704.23	108.23
MW-6	1/27/21	3806.08	--	--	--	--	92.78
MW-6	2/2/21	3806.08	--	--	--	--	92.73
MW-6	3/18/21	3806.08	--	--	--	--	92.72
MW-6	3/26/21	3806.08	--	--	--	--	92.70
MW-6	4/27/21	3806.08	--	--	--	--	92.72
MW-6	5/4/21	3806.08	--	--	--	--	92.78
MW-6	6/28/21	3806.08	--	--	--	--	92.70
MW-6	7/27/21	3806.08	--	--	--	--	92.69
MW-6	8/3/21	3806.08	--	--	--	--	92.69
MW-6	9/30/21	3806.08	--	--	--	--	92.73
MW-6	10/28/21	3806.08	--	--	--	--	92.73
MW-6	11/1/21	3806.08	--	--	--	--	92.73
MW-6	2/7/22	3806.08	--	--	--	--	92.71
MW-6	3/15/22	3806.08	--	--	--	--	92.71
MW-6	4/11/22	3806.08	--	--	--	--	92.71
MW-6	5/10/22	3806.08	--	--	--	--	92.71
MW-6	6/15/22	3806.08	--	--	--	--	92.71
MW-6	7/28/22	3806.08	--	--	--	--	92.71
MW-6	8/9/22	3806.08	--	--	--	--	92.71
MW-6	11/21/22	3806.08	--	--	--	--	92.71
MW-6	2/16/23	3806.08	--	--	--	--	92.75
MW-6	4/26/23	3806.08	--	--	--	--	92.75
MW-6	7/25/23	3806.08	--	--	--	--	92.75
MW-6	10/31/23	3806.08	--	--	--	--	--
MW-6R	2/29/24	--	100.86	--	--	--	123.08
MW-6R	3/21/24	--	100.61	--	--	--	123.08
MW-6R	5/23/24	--	101.80	--	--	--	123.07
MW-6R	8/22/24	--	104.16	--	--	--	123.20
MW-6R	11/20/24	--	101.63	--	--	--	123.20
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	--
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-7	2/29/24	3806.05	102.18	--	--	3703.87	109.37
MW-7	3/21/24	3806.05	101.93	--	--	3704.12	109.37
MW-7	5/23/24	3806.05	103.20	--	--	3702.85	109.37
MW-7	8/22/24	3806.05	104.64	--	--	3701.41	109.55

Table 1a

Summary of Groundwater Gauging and Elevation Data (2021-2024)
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	11/20/24	3806.05	102.86	--	--	3703.19	109.45
MW-8	1/27/21	3805.89	--	--	--	--	95.09
MW-8	2/2/21	3805.89	--	--	--	--	95.04
MW-8	3/18/21	3805.89	--	--	--	--	95.27
MW-8	3/26/21	3805.89	--	--	--	--	94.89
MW-8	4/27/21	3805.89	--	--	--	--	94.96
MW-8	5/4/21	3805.89	--	--	--	--	95.07
MW-8	6/28/21	3805.89	--	--	--	--	94.89
MW-8	7/27/21	3805.89	--	--	--	--	94.88
MW-8	8/3/21	3805.89	--	--	--	--	94.88
MW-8	9/30/21	3805.89	--	--	--	--	95.04
MW-8	10/28/21	3805.89	--	--	--	--	95.04
MW-8	11/1/21	3805.89	--	--	--	--	95.04
MW-8	2/7/22	3805.89	--	--	--	--	94.87
MW-8	3/15/22	3805.89	--	--	--	--	94.87
MW-8	4/11/22	3805.89	--	--	--	--	94.87
MW-8	5/10/22	3805.89	--	--	--	--	94.87
MW-8	6/15/22	3805.89	--	--	--	--	94.87
MW-8	7/28/22	3805.89	--	--	--	--	94.87
MW-8	8/9/22	3805.89	--	--	--	--	94.87
MW-8	11/21/22	3805.89	--	--	--	--	94.87
MW-8	2/16/23	3805.89	--	--	--	--	95.09
MW-8	4/26/23	3805.89	--	--	--	--	95.09
MW-8	7/25/23	3805.89	--	--	--	--	95.09
MW-8	10/31/23	3805.89	--	--	--	--	--
MW-9	1/27/21	3806.02	96.91	--	--	3709.11	--
MW-9	2/2/21	3806.02	96.70	--	--	3709.32	108.82
MW-9	3/18/21	3806.02	99.60	--	--	3706.42	--
MW-9	3/26/21	3806.02	100.29	--	--	3705.73	--
MW-9	4/27/21	3806.02	101.30	--	--	3704.72	--
MW-9	5/4/21	3806.02	99.74	--	--	3706.28	--
MW-9	6/28/21	3806.02	100.07	--	--	3705.95	--
MW-9	7/27/21	3806.02	98.67	--	--	3707.35	--
MW-9	8/3/21	3806.02	100.06	--	--	3705.96	108.82
MW-9	9/30/21	3806.02	99.67	--	--	3706.35	108.82
MW-9	10/28/21	3806.02	99.42	--	--	3706.60	108.82
MW-9	11/1/21	3806.02	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-9	2/29/24	3806.02	102.48	--	--	3703.54	108.65
MW-9	3/21/24	3806.02	101.98	--	--	3704.04	108.65
MW-9	5/23/24	3806.02	103.77	--	--	3702.25	108.58
MW-9	8/22/24	3806.02	106.55	--	--	3699.47	108.75
MW-9	11/20/24	3806.02	102.73	--	--	3703.29	108.80
MW-10	1/27/21	3806.08	--	--	--	--	95.82
MW-10	2/2/21	3806.08	--	--	--	--	95.82
MW-10	3/18/21	3806.08	--	--	--	--	95.88
MW-10	3/26/21	3806.08	--	--	--	--	95.76
MW-10	4/27/21	3806.08	--	--	--	--	95.83
MW-10	5/4/21	3806.08	--	--	--	--	95.84

Table 1a

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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-10	6/28/21	3806.08	--	--	--	--	95.76
MW-10	7/27/21	3806.08	--	--	--	--	95.75
MW-10	8/3/21	3806.08	--	--	--	--	95.75
MW-10	9/30/21	3806.08	--	--	--	--	95.82
MW-10	10/28/21	3806.08	--	--	--	--	95.82
MW-10	11/1/21	3806.08	--	--	--	--	95.82
MW-10	2/7/22	3806.08	--	--	--	--	95.76
MW-10	3/15/22	3806.08	--	--	--	--	95.76
MW-10	4/11/22	3806.08	--	--	--	--	95.76
MW-10	5/10/22	3806.08	--	--	--	--	95.76
MW-10	6/15/22	3806.08	--	--	--	--	95.76
MW-10	7/28/22	3806.08	--	--	--	--	95.76
MW-10	8/9/22	3806.08	--	--	--	--	95.76
MW-10	11/21/22	3806.08	--	--	--	--	95.76
MW-10	2/16/23	3806.08	--	--	--	--	98.50
MW-10	4/26/23	3806.08	--	--	--	--	98.50
MW-10	7/25/23	3806.08	--	--	--	--	98.50
MW-10	10/31/23	3806.08	--	--	--	--	--
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-11	2/29/24	3805.88	103.89	--	--	3701.99	110.06
MW-11	3/21/24	3805.88	102.34	--	--	3703.54	110.06
MW-11	5/23/24	3805.88	106.85	--	--	3699.03	110.05
MW-11	8/22/24	3805.88	109.68	--	--	3696.20	110.18
MW-11	11/20/24	3805.88	102.71	--	--	3703.17	110.03
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

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-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
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	5/26/23	3806.04	--	--	--	3806.04	110.12
MW-12	5/31/23	3806.04	103.20	--	--	3702.84	110.12
MW-12	5/31/23	3806.04	103.20	--	--	3702.84	--
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	9/8/23	3806.04	106.90	--	--	3699.14	--
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	--
MW-12	11/30/23	3806.04	103.96	--	--	3702.08	105.82
MW-12	12/8/23	3806.04	104.14	--	--	3701.90	--
MW-12	12/12/23	3806.04	103.32	--	--	3702.72	--
MW-12	1/3/24	3806.04	103.30	--	--	3702.74	--

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MW-12	1/9/24	3806.04	103.30	--	--	3702.74	--
MW-12	1/16/24	3806.04	103.36	--	--	3702.68	--
MW-12	1/23/24	3806.04	103.33	--	--	3702.71	--
MW-12	2/16/24	3806.04	105.13	--	--	3700.91	--
MW-12	2/29/24	3806.04	102.96	--	--	3702.74	110.05
MW-12	3/21/24	3806.04	102.32	--	--	3703.72	110.05
MW-12	4/3/24	3806.04	103.20				
MW-12	5/23/24	3806.04	104.77	--	--	3701.27	110.02
MW-12	8/22/24	3806.04	107.77	--	--	3698.27	110.15
MW-12	11/20/24	3806.04	102.87	--	--	3703.17	108.35
MW-13	2/29/24	--	100.62	--	--	--	122.88
MW-13	3/21/24	--	100.50	--	--	--	122.88
MW-13	5/23/24	--	101.37	--	--	--	122.86
MW-13	8/22/24	--	103.70	--	--	--	123.00
MW-13	11/20/24	--	101.64	--	--	--	123.01
MW-14	2/29/24	--	101.00	--	--	--	121.59
MW-14	3/21/24	--	100.80	--	--	--	121.59
MW-14	5/23/24	--	101.97	--	--	--	121.60
MW-14	8/22/24	--	104.58	--	--	--	123.25
MW-14	11/20/24	--	101.83	--	--	--	122.95
MW-15	2/29/24	--	101.51	--	--	--	121.19
MW-15	3/21/24	--	101.14	--	--	--	121.19
MW-15	5/23/24	--	102.77	--	--	--	120.94
MW-15	8/22/24	--	105.76	--	--	--	121.00
MW-15	11/20/24	--	101.93	--	--	--	123.15
MW-16	2/29/24	--	102.13	--	--	--	122.62
MW-16	3/21/24	--	101.35	--	--	--	122.62
MW-16	5/23/24	--	103.94	--	--	--	122.60
MW-16	8/22/24	--	106.78	--	--	--	122.70
MW-16	11/20/24	--	101.90	--	--	--	121.48

Notes:

1. All dates are in the format: MM/DD/YY
2. --: No gauging data collected on corresponding date
3. Dry: No fluid column measured in corresponding monitoring or recovery well
4. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimeter (g/cc)
5. The 7/25/23 LNAPL reading, originally reported in the 2024 Annual Report, has been removed following confirmation that LNAPL was not present.

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	12/28/06	3806.6	78	--	--	3728.6	--
MW-1	3/16/07	3806.6	79.5	--	--	3727.1	--
MW-1	5/31/07	3806.6	78.97	--	--	3727.63	--
MW-1	9/25/07	3806.6	80.16	--	--	3726.44	--
MW-1	11/30/07	3806.6	79.94	--	--	3726.66	--
MW-1	3/11/08	3806.6	79.82	--	--	3726.78	--
MW-1	6/14/08	3806.6	81.44	--	--	3725.16	--
MW-1	9/17/08	3806.6	81.27	--	--	3725.33	--
MW-1	12/2/08	3806.6	81.05	--	--	3725.55	--
MW-1	3/3/09	3806.6	81.56	--	--	3725.04	--
MW-1	6/18/09	3806.6	82.95	--	--	3723.65	--
MW-1	9/1/09	3806.6	84.36	--	--	3722.24	--
MW-1	12/18/09	3806.6	83	--	--	3723.6	--
MW-1	3/4/10	3806.6	82.23	--	--	3724.37	--
MW-1	5/25/10	3806.6	82.83	--	--	3723.77	--
MW-1	8/30/10	3806.6	85.37	--	--	3721.23	--
MW-1	11/11/10	3806.6	83	--	--	3723.6	--
MW-1	3/22/11	3806.6	85.07	--	--	3721.53	--
MW-1	5/27/11	3806.6	86.56	--	--	3720.04	--
MW-1	8/24/11	3806.6	88.8	--	--	3717.8	--
MW-1	11/9/11	3806.6	87.8	--	--	3718.8	--
MW-1	2/6/12	3806.6	86.3	--	--	3720.3	--
MW-1	5/23/12	3806.6	87.88	--	--	3718.72	--
MW-1	8/28/12	3806.6	89.25	--	--	3717.35	--
MW-1	11/27/12	3806.6	88.83	--	--	3717.77	--
MW-1	2/22/13	3806.6	87.53	--	--	3719.07	--
MW-1	5/23/13	3806.6	89.37	--	--	3717.23	--
MW-1	8/21/13	3806.6	89.56	--	--	3717.04	--
MW-1	2/13/14	3806.6	87.85	--	--	3718.75	--
MW-1	5/9/14	3806.6	89.34	--	--	3717.26	--
MW-1	8/7/14	3806.6	91.28	--	--	3715.32	--
MW-1	11/17/14	3806.6	90.55	--	--	3716.05	--
MW-1	3/18/15	3806.6	89.76	--	--	3716.84	--
MW-1	5/12/15	3806.6	90.02	--	--	3716.58	--
MW-1	9/9/15	3806.6	92.18	--	--	3714.42	--
MW-1	11/24/15	3806.6	--	--	--	--	--
MW-1	2/18/16	3806.6	90	--	--	3716.6	--
MW-1	6/22/16	3806.6	92.01	--	--	3714.59	--
MW-1	9/6/16	3806.6	--	--	--	--	--
MW-1	10/11/16	3806.6	91.96	--	--	3714.64	92.39
MW-1	12/13/16	3806.6	91.37	--	--	3715.23	92.39
MW-1	4/5/17	3806.6	92.38	--	--	3714.22	92.39
MW-1	6/21/17	3806.6	--	--	--	--	92.39
MW-1	9/25/17	3806.6	--	--	--	--	92.37
MW-1	11/28/17	3806.6	--	--	--	--	92.43
MW-1	2/23/18	3806.6	--	--	--	--	92.59
MW-1	5/24/18	3806.6	--	--	--	--	92.46
MW-1	8/23/18	3806.6	--	--	--	--	92.4
MW-1	9/17/18	--	--	--	--	--	--
MW-1R	11/16/18	3806.62	94.8	--	--	3711.82	108.7
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-1R	2/20/20	3806.62	94.04	--	--	3712.58	108.36
MW-1R	3/26/20	3806.62	93.9	--	--	3712.72	108.37
MW-1R	4/2/20	3806.62	94.59	--	--	3712.03	--
MW-1R	4/10/20	3806.62	95.02	--	--	3711.6	--
MW-1R	4/17/20	3806.62	95.33	--	--	3711.29	--
MW-1R	4/20/20	3806.62	95.48	--	--	3711.14	--

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-1R	4/30/20	3806.62	95.87	--	--	3710.75	--
MW-1R	5/6/20	3806.62	96.12	--	--	3710.5	--
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	--	--	3710.8	--
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	--	--	3709.6	--
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	--	--	3709.2	--
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	98.4	--	--	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	97.3	--	--	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	--	--	3709.1	--
MW-1R	12/23/20	3806.62	97.29	--	--	3709.33	--
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	--
MW-2	6/14/08	3806.31	81.73	--	--	3724.58	--
MW-2	9/17/08	3806.31	81.2	--	--	3725.11	--
MW-2	12/2/08	3806.31	80.92	--	--	3725.39	--
MW-2	3/3/09	3806.31	81.6	--	--	3724.71	--
MW-2	6/18/09	3806.31	83.22	--	--	3723.09	--
MW-2	9/1/09	3806.31	84.61	--	--	3721.7	--
MW-2	12/18/09	3806.31	82.9	--	--	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	82.9	--	--	3723.41	--
MW-2	3/22/11	3806.31	85.3	--	--	3721.01	--
MW-2	5/27/11	3806.31	87.11	--	--	3719.2	--
MW-2	8/24/11	3806.31	87.55	--	--	3718.76	--
MW-2	11/9/11	3806.31	88.1	--	--	3718.21	--
MW-2	2/6/12	3806.31	84.2	--	--	3722.11	--
MW-2	5/23/12	3806.31	--	--	--	--	--
MW-2	8/28/12	3806.31	--	--	--	--	--
MW-2	11/27/12	3806.31	--	--	--	--	--
MW-2	2/22/13	3806.31	87.41	--	--	3718.9	--
MW-2	5/23/13	3806.31	--	--	--	--	--
MW-2	8/21/13	3806.31	--	--	--	--	--

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	11/8/13	3806.31	--	--	--	--	--
MW-2	2/13/14	3806.31	--	--	--	--	--
MW-2	5/9/14	3806.31	--	--	--	--	--
MW-2	8/7/14	3806.31	--	--	--	--	--
MW-2	11/17/14	3806.31	--	--	--	--	--
MW-2	3/18/15	3806.31	--	--	--	--	--
MW-2	5/12/15	3806.31	88.2	--	--	3718.11	--
MW-2	9/9/15	3806.31	--	--	--	--	--
MW-2	11/24/15	3806.31	--	--	--	--	--
MW-2	2/18/16	3806.31	--	--	--	--	--
MW-2	6/22/16	3806.31	--	--	--	--	--
MW-2	9/6/16	3806.31	--	--	--	--	--
MW-2	10/11/16	3806.31	--	--	--	--	88.06
MW-2	12/13/16	3806.31	--	--	--	--	88.06
MW-2	4/5/17	3806.31	--	--	--	--	88.06
MW-2	6/21/17	3806.31	--	--	--	--	88.05
MW-2	9/25/17	3806.31	--	--	--	--	88.1
MW-2	11/28/17	3806.31	--	--	--	--	88.09
MW-2	2/23/18	3806.31	--	--	--	--	88.04
MW-2	5/24/18	3806.31	--	--	--	--	88.25
MW-2	8/23/18	3806.31	--	--	--	--	88.05
MW-2	9/17/18	--	--	--	--	--	--
MW-2R	11/16/18	3806.38	95.26	--	--	3711.12	109.91
MW-2R	2/18/19	3806.38	94.38	--	--	3712	109.74
MW-2R	5/21/19	3806.38	95.05	--	--	3711.33	--
MW-2R	8/23/19	3806.38	97.3	--	--	3709.08	--
MW-2R	10/17/19	3806.38	95.61	--	--	3710.77	--
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	96.2	--	--	3710.18	--
MW-2R	4/30/20	3806.38	96.68	--	--	3709.7	--
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	96.4	--	--	3709.98	--
MW-2R	6/10/20	3806.38	96.3	--	--	3710.08	--
MW-2R	6/17/20	3806.38	96.08	--	--	3710.3	--
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	98.1	--	--	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	--	--	3707.9	--
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	--	--	3707.1	--
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	97.6	--	--	3708.78	--
MW-2R	11/5/20	3806.38	97.42	--	--	3708.96	109.79
MW-2R	11/17/20	3806.38	97.2	--	--	3709.18	--
MW-2R	11/24/20	3806.38	97.96	--	--	3708.42	--

Table 1b

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Plains All American Pipeline, L.P.
Lovington Gathering WTI
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Lea County, New Mexico
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Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
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-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	80.5	--	--	3725.69	--
MW-3	6/14/08	3806.19	81.72	--	--	3724.47	--
MW-3	9/17/08	3806.19	81.1	--	--	3725.09	--
MW-3	12/2/08	3806.19	80.79	--	--	3725.4	--
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	--
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	89.2	--	--	3716.99	--
MW-3	11/9/11	3806.19	88.1	--	--	3718.09	--
MW-3	2/6/12	3806.19	85.9	--	--	3720.29	--
MW-3	5/23/12	3806.19	88.2	--	--	3717.99	--
MW-3	8/28/12	3806.19	89.4	--	--	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	89.8	--	--	3716.39	--
MW-3	6/22/16	3806.19	92.34	--	--	3713.85	--
MW-3	9/6/16	3806.19	--	--	--	--	--
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	--	--	--	--	92.46
MW-3	6/21/17	3806.19	--	--	--	--	92.46
MW-3	9/25/17	3806.19	--	--	--	--	92.51
MW-3	11/28/17	3806.19	--	--	--	--	92.43
MW-3	2/23/18	3806.19	--	--	--	--	92.46
MW-3	5/24/18	3806.19	--	--	--	--	92.56
MW-3	8/23/18	3806.19	--	--	--	--	92.48
MW-3	9/17/18	--	--	--	--	--	--
MW-3R	11/16/18	3806.15	94.85	--	--	3711.3	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	--

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-3R	2/20/20	3806.15	93.73	--	--	3712.42	110.05
MW-3R	3/26/20	3806.15	93.7	--	--	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	--
MW-3R	4/17/20	3806.15	95.58	--	--	3710.57	--
MW-3R	4/20/20	3806.15	95.75	--	--	3710.4	--
MW-3R	4/30/20	3806.15	96.2	--	--	3709.95	--
MW-3R	5/6/20	3806.15	97.48	--	--	3708.67	--
MW-3R	5/12/20	3806.15	96.7	--	--	3709.45	--
MW-3R	5/20/20	3806.15	96.95	--	--	3709.2	--
MW-3R	6/3/20	3806.15	95.95	--	--	3710.2	--
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	--	--	3708.6	--
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	--
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	--	--	3708.6	--
MW-3R	12/16/20	3806.15	97.48	--	--	3708.67	--
MW-3R	12/23/20	3806.15	97.17	--	--	3708.98	--
MW-4	12/28/06	3806.67	78.73	--	--	3727.94	--
MW-4	3/16/07	3806.67	79.17	--	--	3727.5	--
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	81.6	--	--	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	--
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	--	--	3721.1	--
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	--	--	3719.9	--
MW-4	8/24/11	3806.67	89	--	--	3717.67	--
MW-4	11/9/11	3806.67	88.2	--	--	3718.47	--
MW-4	2/6/12	3806.67	86.45	--	--	3720.22	--
MW-4	5/23/12	3806.67	88.15	--	--	3718.52	--

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	8/28/12	3806.67	89.87	--	--	3716.8	--
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	--	--	--	--	--
MW-4	2/13/14	3806.67	87.97	--	--	3718.7	--
MW-4	5/9/14	3806.67	89.52	--	--	3717.15	--
MW-4	8/7/14	3806.67	--	--	--	--	--
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	--	--	3716.5	--
MW-4	9/9/15	3806.67	--	--	--	--	--
MW-4	11/24/15	3806.67	--	--	--	--	--
MW-4	2/18/16	3806.67	--	--	--	--	--
MW-4	6/22/16	3806.67	--	--	--	--	--
MW-4	9/6/16	3806.67	--	--	--	--	--
MW-4	10/11/16	3806.67	--	--	--	--	91.01
MW-4	12/13/16	3806.67	--	--	--	--	91.01
MW-4	4/5/17	3806.67	--	--	--	--	91.01
MW-4	6/21/17	3806.67	91.01	--	--	3715.66	91.02
MW-4	9/25/17	3806.67	--	--	--	--	91.1
MW-4	11/28/17	3806.67	--	--	--	--	91.07
MW-4	2/23/18	3806.67	--	--	--	--	91.02
MW-4	5/24/18	3806.67	--	--	--	--	91.07
MW-4	8/23/18	3806.67	--	--	--	--	91.01
MW-4	9/17/18	--	--	--	--	--	--
MW-4R	11/16/18	3806.67	95.2	--	--	3711.47	110.01
MW-4R	2/18/19	3806.67	94.3	--	--	3712.37	110
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-4R	2/20/20	3806.67	94.22	--	--	3712.45	110
MW-4R	3/26/20	3806.67	94.1	--	--	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	--
MW-4R	4/20/20	3806.67	95.84	--	--	3710.83	--
MW-4R	4/30/20	3806.67	96.27	--	--	3710.4	--
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	--
MW-4R	7/8/20	3806.67	96.97	--	--	3709.7	--
MW-4R	7/15/20	3806.67	96.97	--	--	3709.7	--
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	--
MW-4R	8/20/20	3806.67	98.06	--	--	3708.61	--
MW-4R	8/26/20	3806.67	98.2	--	--	3708.47	--
MW-4R	9/2/20	3806.67	98.38	--	--	3708.29	110
MW-4R	9/8/20	3806.67	98.47	--	--	3708.2	--
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	--

Table 1b

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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	11/5/20	3806.67	97.48	--	--	3709.19	110
MW-4R	11/17/20	3806.67	97.27	--	--	3709.4	--
MW-4R	11/24/20	3806.67	97.78	--	--	3708.89	--
MW-4R	12/1/20	3806.67	98.2	--	--	3708.47	--
MW-4R	12/8/20	3806.67	97.93	--	--	3708.74	--
MW-4R	12/16/20	3806.67	97.87	--	--	3708.8	--
MW-4R	12/23/20	3806.67	97.62	--	--	3709.05	--
MW-5	12/28/06	3806.3	78.23	--	--	3728.07	--
MW-5	3/16/07	3806.3	78.79	--	--	3727.51	--
MW-5	5/30/07	3806.3	78.71	--	--	3727.59	--
MW-5	9/25/07	3806.3	79.89	--	--	3726.41	--
MW-5	11/30/07	3806.3	79.61	--	--	3726.69	--
MW-5	3/11/08	3806.3	79.61	--	--	3726.69	--
MW-5	6/14/08	3806.3	81.2	--	--	3725.1	--
MW-5	9/17/08	3806.3	80.96	--	--	3725.34	--
MW-5	12/2/08	3806.3	80.75	--	--	3725.55	--
MW-5	3/3/09	3806.3	81.33	--	--	3724.97	--
MW-5	6/18/09	3806.3	82.71	--	--	3723.59	--
MW-5	9/1/09	3806.3	84.07	--	--	3722.23	--
MW-5	12/18/09	3806.3	82.7	--	--	3723.6	--
MW-5	3/4/10	3806.3	81.95	--	--	3724.35	--
MW-5	5/25/10	3806.3	82.55	--	--	3723.75	--
MW-5	8/30/10	3806.3	85.09	--	--	3721.21	--
MW-5	11/11/10	3806.3	82.7	--	--	3723.6	--
MW-5	3/22/11	3806.3	84.83	--	--	3721.47	--
MW-5	5/27/11	3806.3	86.26	--	--	3720.04	--
MW-5	8/24/11	3806.3	88.5	--	--	3717.8	--
MW-5	11/9/11	3806.3	87.5	--	--	3718.8	--
MW-5	2/6/12	3806.3	86	--	--	3720.3	--
MW-5	5/23/12	3806.3	87.6	--	--	3718.7	--
MW-5	8/28/12	3806.3	88.95	--	--	3717.35	--
MW-5	11/27/12	3806.3	88.43	--	--	3717.87	--
MW-5	2/22/13	3806.3	87.24	--	--	3719.06	--
MW-5	5/23/13	3806.3	89	--	--	3717.3	--
MW-5	8/21/13	3806.3	89.25	--	--	3717.05	--
MW-5	2/13/14	3806.3	87.51	--	--	3718.79	--
MW-5	5/9/14	3806.3	89	--	--	3717.3	--
MW-5	8/7/14	3806.3	91.02	--	--	3715.28	--
MW-5	11/17/14	3806.3	90.21	--	--	3716.09	--
MW-5	3/18/15	3806.3	89.5	--	--	3716.8	--
MW-5	5/12/15	3806.3	89.68	--	--	3716.62	--
MW-5	9/9/15	3806.3	--	--	--	--	--
MW-5	11/24/15	3806.3	--	--	--	--	--
MW-5	2/18/16	3806.3	89.7	--	--	3716.6	--
MW-5	6/22/16	3806.3	--	--	--	--	--
MW-5	9/6/16	3806.3	--	--	--	--	--
MW-5	10/11/16	3806.3	--	--	--	--	91.19
MW-5	12/13/16	3806.3	90.97	--	--	3715.33	91.19
MW-5	4/5/17	3806.3	--	--	--	--	91.19
MW-5	6/21/17	3806.3	--	--	--	--	91.2
MW-5	9/25/17	3806.3	--	--	--	--	91.23
MW-5	11/28/17	3806.3	--	--	--	--	91.24
MW-5	2/23/18	3806.3	--	--	--	--	91.18
MW-5	5/24/18	3806.3	--	--	--	--	91.22
MW-5	8/23/18	3806.3	--	--	--	--	91.25
MW-5	9/17/18	--	--	--	--	--	--
MW-5R	11/16/18	3806.46	94.65	--	--	3711.81	107.45
MW-5R	2/18/19	3806.46	93.96	--	--	3712.5	107.42
MW-5R	5/21/19	3806.46	94.57	--	--	3711.89	--
MW-5R	8/23/19	3806.46	96.4	--	--	3710.06	--

Table 1b

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Lovington Gathering WTI
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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-5R	10/17/19	3806.46	95.26	--	--	3711.2	--
MW-5R	2/20/20	3806.46	93.92	--	--	3712.54	107.4
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	95.6	--	--	3710.86	--
MW-5R	7/28/20	3806.46	97.05	--	--	3709.41	--
MW-5R	8/26/20	3806.46	97.56	--	--	3708.9	--
MW-5R	9/2/20	3806.46	107.19	--	--	3699.27	107.4
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	107.4
MW-5R	12/8/20	3806.46	97.43	--	--	3709.03	107.4
MW-6	12/28/06	3806.08	78.42	--	--	3727.66	--
MW-6	3/16/07	3806.08	79.2	--	--	3726.88	--
MW-6	5/30/07	3806.08	78.75	--	--	3727.33	--
MW-6	9/25/07	3806.08	80.1	--	--	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	--	--	3722.6	--
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	89.7	--	--	3716.38	--
MW-6	11/9/11	3806.08	88.4	--	--	3717.68	--
MW-6	2/6/12	3806.08	86	--	--	3720.08	--
MW-6	5/23/12	3806.08	89.58	--	--	3716.5	--
MW-6	8/28/12	3806.08	89.4	--	--	3716.68	--
MW-6	11/27/12	3806.08	89.02	--	--	3717.06	--
MW-6	2/22/13	3806.08	87.4	--	--	3718.68	--
MW-6	5/23/13	3806.08	89.6	--	--	3716.48	--
MW-6	8/21/13	3806.08	--	--	--	--	--
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	--	--	3716.8	--
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	--	--	3716.2	--
MW-6	9/9/15	3806.08	92.6	--	--	3713.48	--
MW-6	11/24/15	3806.08	90.94	--	--	3715.14	--
MW-6	2/18/16	3806.08	89.8	--	--	3716.28	--
MW-6	6/22/16	3806.08	--	--	--	--	--
MW-6	9/6/16	3806.08	--	--	--	--	--
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	--	--	--	--	92.64
MW-6	6/21/17	3806.08	--	--	--	--	92.65
MW-6	9/25/17	3806.08	--	--	--	--	92.69
MW-6	11/28/17	3806.08	92.62	--	--	3713.46	93.01
MW-6	2/23/18	3806.08	--	--	--	--	92.79
MW-6	5/24/18	3806.08	--	--	--	--	92.69

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	8/23/18	3806.08	--	--	--	--	92.65
MW-6	11/16/18	3806.08	--	--	--	--	92.68
MW-6	2/18/19	3806.08	--	--	--	--	92.64
MW-6	5/21/19	3806.08	--	--	--	--	--
MW-6	8/23/19	3806.08	--	--	--	--	--
MW-6	10/17/19	3806.08	--	--	--	--	92.78
MW-6	2/20/20	3806.08	--	--	--	--	92.72
MW-6	4/30/20	3806.08	--	--	--	--	92.72
MW-6	5/20/20	3806.08	--	--	--	--	92.72
MW-6	6/17/20	3806.08	--	--	--	--	92.76
MW-6	7/28/20	3806.08	--	--	--	--	92.76
MW-6	8/26/20	3806.08	--	--	--	--	92.75
MW-6	9/2/20	3806.08	--	--	--	--	92.69
MW-6	10/21/20	3806.08	--	--	--	--	92.69
MW-6	11/5/20	3806.08	--	--	--	--	92.75
MW-6	12/8/20	3806.08	--	--	--	--	97.78
MW-7	12/28/06	3806.05	78.4	--	--	3727.65	--
MW-7	3/16/07	3806.05	79.35	--	--	3726.7	--
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	79.8	--	--	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	80.7	--	--	3725.35	--
MW-7	3/3/09	3806.05	81.75	--	--	3724.3	--
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	--	--	3723.8	--
MW-7	5/25/10	3806.05	83.1	--	--	3722.95	--
MW-7	8/30/10	3806.05	86.8	--	--	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	90.3	--	--	3715.75	--
MW-7	11/9/11	3806.05	88	--	--	3718.05	--
MW-7	2/6/12	3806.05	86.35	--	--	3719.7	--
MW-7	5/23/12	3806.05	89.25	--	--	3716.8	--
MW-7	8/28/12	3806.05	89.9	--	--	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	--	--	3713.9	--
MW-7	11/8/13	3806.05	92.17	--	--	3713.88	--
MW-7	2/13/14	3806.05	88.25	--	--	3717.8	--
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	90.2	--	--	3715.85	--
MW-7	6/22/16	3806.05	93.22	--	--	3712.83	--
MW-7	9/6/16	3806.05	93.9	--	--	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
MW-7	6/21/17	3806.05	94.33	--	--	3711.72	109.38

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	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	--	--	3711.2	109.22
MW-7	5/21/19	3806.05	95.48	--	--	3710.57	--
MW-7	8/23/19	3806.05	97.9	--	--	3708.15	--
MW-7	10/17/19	3806.05	95.81	--	--	3710.24	--
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-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	79.7	--	--	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	--	--	3724.1	--
MW-8	6/18/09	3805.89	83.79	--	--	3722.1	--
MW-8	9/1/09	3805.89	84.98	--	--	3720.91	--
MW-8	12/18/09	3805.89	82.59	--	--	3723.3	--
MW-8	3/4/10	3805.89	81.71	--	--	3724.18	--
MW-8	5/25/10	3805.89	82.59	--	--	3723.3	--
MW-8	8/30/10	3805.89	86.58	--	--	3719.31	--
MW-8	11/11/10	3805.89	82.59	--	--	3723.3	--
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	90.2	--	--	3715.69	--
MW-8	11/9/11	3805.89	88.36	--	--	3717.53	--
MW-8	2/6/12	3805.89	85.8	--	--	3720.09	--
MW-8	5/23/12	3805.89	88.78	--	--	3717.11	--
MW-8	8/28/12	3805.89	89.99	--	--	3715.9	--
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	--	--	--	--	--
MW-8	2/18/16	3805.89	89.7	--	--	3716.19	--
MW-8	6/22/16	3805.89	92.99	--	--	3712.9	--
MW-8	9/6/16	3805.89	--	--	--	--	--
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

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-8	4/5/17	3805.89	93.5	--	--	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	--	--	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	--	--	3713.2	94.84
MW-8	5/24/18	3805.89	--	--	--	--	94.92
MW-8	8/23/18	3805.89	--	--	--	--	94.9
MW-8	11/16/18	3805.89	--	--	--	--	94.88
MW-8	2/18/19	3805.89	--	--	--	--	94.87
MW-8	5/21/19	3805.89	--	--	--	--	--
MW-8	8/23/19	3805.89	--	--	--	--	--
MW-8	10/17/19	3805.89	--	--	--	--	94.86
MW-8	2/20/20	3805.89	--	--	--	--	93.71
MW-8	4/30/20	3805.89	--	--	--	--	94.95
MW-8	5/20/20	3805.89	--	--	--	--	94.95
MW-8	6/17/20	3805.89	--	--	--	--	94.93
MW-8	7/28/20	3805.89	--	--	--	--	94.94
MW-8	8/26/20	3805.89	--	--	--	--	94.94
MW-8	9/2/20	3805.89	--	--	--	--	94.88
MW-8	10/21/20	3805.89	--	--	--	--	94.88
MW-8	11/5/20	3805.89	--	--	--	--	94.94
MW-8	12/8/20	3805.89	--	--	--	--	94.96
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	82.9	--	--	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	--	--	3718.4	--
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	91.3	--	--	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	86.2	--	--	3719.82	--
MW-9	3/1/12	3806.02	86.4	--	--	3719.62	--
MW-9	4/18/12	3806.02	87.68	--	--	3718.34	--
MW-9	5/23/12	3806.02	88.82	--	--	3717.2	--
MW-9	6/19/12	3806.02	87.75	--	--	3718.27	--
MW-9	7/30/12	3806.02	89.92	--	--	3716.1	--
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	89.3	--	--	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	--

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-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	--	--	3715.1	--
MW-9	3/18/15	3806.02	90.8	--	--	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	91.5	--	--	3714.52	--
MW-9	2/18/16	3806.02	90.1	--	--	3715.92	--
MW-9	6/22/16	3806.02	93.92	--	--	3712.1	--
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	108.7
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
MW-9	8/23/18	3806.02	98.65	--	--	3707.37	108.6
MW-9	11/16/18	3806.02	96.28	--	--	3709.74	108.6
MW-9	2/18/19	3806.02	95.13	--	--	3710.89	108.45
MW-9	5/21/19	3806.02	95.7	--	--	3710.32	--
MW-9	8/23/19	3806.02	98.5	--	--	3707.52	--
MW-9	10/17/19	3806.02	95.59	--	--	3710.43	--
MW-9	2/20/20	3806.022	93.92	--	--	3712.102	108.55
MW-9	4/30/20	3806.022	98.25	--	--	3707.772	--
MW-9	5/20/20	3806.022	99.04	--	--	3706.982	--
MW-9	6/17/20	3806.022	96.59	--	--	3709.432	--
MW-9	7/28/20	3806.022	99.75	--	--	3706.272	--
MW-9	8/26/20	3806.022	100.28	--	--	3705.742	--
MW-9	9/2/20	3806.022	100.52	--	--	3705.502	110.13
MW-9	10/21/20	3806.022	98.05	--	--	3707.972	--
MW-9	11/5/20	3806.022	97.63	--	--	3708.392	110.13
MW-9	12/8/20	3806.022	98.62	--	--	3707.402	--
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	94.2	--	--	3711.88	--
MW-10	10/10/11	3806.08	91.4	--	--	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	91.6	--	--	3714.48	--
MW-10	1/5/12	3806.08	86.3	--	--	3719.78	--
MW-10	2/6/12	3806.08	90.1	--	--	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	--	--	--	--	--
MW-10	8/28/12	3806.08	94.98	--	--	3711.1	--

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-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	91.1	--	--	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	--	--	3712.6	--
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	--	--	--	--	--
MW-10	9/19/13	3806.08	--	--	--	--	--
MW-10	10/23/13	3806.08	89.91	--	--	3716.17	--
MW-10	2/13/14	3806.08	89	--	--	3717.08	--
MW-10	5/9/14	3806.08	90.12	--	--	3715.96	--
MW-10	8/7/14	3806.08	--	--	--	--	--
MW-10	11/17/14	3806.08	91.2	--	--	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	90.4	--	--	3715.68	--
MW-10	6/22/16	3806.08	--	--	--	--	--
MW-10	9/6/16	3806.08	90.4	--	--	3715.68	--
MW-10	10/11/16	3806.08	92.53	--	--	3713.55	95.87
MW-10	12/13/16	3806.08	91.28	--	--	3714.8	95.87
MW-10	4/5/17	3806.08	--	--	--	--	95.69
MW-10	6/21/17	3806.08	--	--	--	--	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	--	--	--	--	95.79
MW-10	8/23/18	3806.08	--	--	--	--	95.75
MW-10	11/16/18	3806.08	--	--	--	--	95.73
MW-10	2/18/19	3806.08	--	--	--	--	95.71
MW-10	5/21/19	3806.08	--	--	--	--	--
MW-10	8/23/19	3806.08	--	--	--	--	--
MW-10	10/17/19	3806.08	--	--	--	--	95.7
MW-10	2/20/20	3806.08	--	--	--	--	95.8
MW-10	4/30/20	3806.08	--	--	--	--	95.76
MW-10	5/20/20	3806.08	--	--	--	--	95.8
MW-10	6/17/20	3806.08	--	--	--	--	95.76
MW-10	7/28/20	3806.08	--	--	--	--	95.76
MW-10	8/26/20	3806.08	--	--	--	--	95.76
MW-10	9/2/20	3806.08	--	--	--	--	95.72
MW-10	10/21/20	3806.08	--	--	--	--	95.72
MW-10	11/5/20	3806.08	--	--	--	--	95.8
MW-10	12/8/20	3806.08	--	--	--	--	95.8
MW-11	11/16/18	3805.88	98.8	--	--	3707.08	110.05
MW-11	2/18/19	3805.88	97.72	--	--	3708.16	110.15
MW-11	5/21/19	3805.88	97.2	--	--	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-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	--
MW-11	8/26/20	3805.88	103.67	--	--	3702.21	--

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-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	110.05
MW-11	12/8/20	3805.88	99	--	--	3706.88	--
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	--
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	96.8	--	--	3709.24	--
MW-12	4/10/20	3806.04	97.92	--	--	3708.12	--
MW-12	4/17/20	3806.04	98.6	--	--	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	99.8	--	--	3706.24	--
MW-12	5/12/20	3806.04	100.1	--	--	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	101.8	--	--	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

Notes:

1. All dates are in the format: MM/DD/YY
2. --: No gauging data collected on corresponding date
3. Dry: No fluid column measured in corresponding monitoring or recovery well
4. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimeter (g/cc)
5. The 7/25/23 LNAPL reading, originally reported in the 2024 Annual Report, has been removed following confirmation that LNAPL was not present.

Table 2A

Summary of Groundwater Analytical Results (2021-2024)

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
Goff Dairy Well	6/11/21		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	11/1/21		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	8/9/22		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	4/26/23		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	7/25/23		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	5/23/24		<0.001	<0.001	<0.001	<0.003
Goff Dairy Ctr. Pivot Well	6/11/21		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/1/21		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	2/21/22		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/9/22		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	4/26/23		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	7/25/23		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	5/23/24		<0.001	<0.001	<0.001	<0.003
Goff Dairy Ctr. Pivot Beg.	6/11/21		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	11/1/21		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	2/21/22		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	8/9/22		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	4/26/23		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	6/11/21		<0.00019	<0.000412	<0.00016	<0.00051
Goff Dairy Ctr. Pivot End	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
Goff Dairy Ctr. Pivot End	2/21/22		<0.00019	<0.000412	<0.00016	<0.00051
Goff Dairy Ctr. Pivot End	8/9/22		<0.00019	<0.000412	<0.00016	<0.00051
Goff Dairy Ctr. Pivot	4/26/23		<0.00019	<0.000412	<0.00016	<0.00051
Goff Dairy Ctr. Pivot	5/23/24		<0.001	<0.001	<0.001	<0.003
JW House Well	11/1/21		<0.0005	<0.001	<0.0005	<0.0015
JW House Well	8/10/22		<0.0005	<0.001	<0.0005	<0.0015
JW House Well	11/21/22		<0.001	<0.001	<0.001	<0.003
JW House Well	2/16/23		<0.001	<0.001	<0.001	<0.003
JW House Well	11/20/24		<0.001	<0.001	<0.001	<0.003
MW-1R	2/3/21	DUP	0.00104	<0.000412	<0.00016	<0.00051
MW-1R	2/3/21		0.00131	<0.000412	<0.00016	<0.00051
MW-1R	3/19/21		0.138	<0.000412	<0.00016	0.00593 J
MW-1R	5/5/21		0.0956	<0.000412	<0.00016	<0.00051
MW-1R	8/4/21		0.0702	<0.000412	<0.00016	0.00713 J
MW-1R	11/2/21		0.057	<0.000412	<0.00016	<0.00051
MW-1R	2/8/22		0.0141	<0.000412	<0.00016	<0.00051
MW-1R	5/11/22		0.00224	<0.000412	<0.00016	<0.00051
MW-1R	8/10/22		0.00371	<0.000412	<0.00016	<0.00051
MW-1R	11/21/22		0.0046	<0.000412	<0.00016	<0.00051
MW-1R	2/16/23		<0.00019	<0.000412	<0.00016	<0.00051
MW-1R	4/26/23		0.000333 J	<0.001	<0.0005	<0.0015
MW-1R	7/25/23		0.000263 J	<0.001	<0.0005	<0.0015
MW-1R	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-1R	2/28/24		<0.0005	<0.001	<0.0005	<0.0015
MW-1R	8/29/24		<0.001	<0.001	<0.001	<0.003
MW-1R	11/21/24		<0.001	<0.001	<0.001	<0.003
MW-2R	2/3/21		1.42	<0.000412	<0.00016	<0.00051
MW-2R	3/19/21		0.0877	<0.000412	<0.00016	<0.00051
MW-2R	5/5/21		0.132	<0.000412	<0.00016	<0.00051
MW-2R	8/4/21		0.0388	<0.000412	<0.00016	<0.00051
MW-2R	11/2/21		0.00691	<0.000412	<0.00016	<0.00051
MW-2R	2/8/22		0.0403	<0.000412	<0.00016	<0.00051
MW-2R	5/11/22		0.117	<0.000412	<0.00016	<0.00051
MW-2R	8/10/22		0.0468	<0.000412	<0.00016	0.00149 J
MW-2R	11/21/22		0.028	<0.000412	<0.00016	<0.00051
MW-2R	2/16/23		0.000746	<0.000412	<0.00016	<0.00051
MW-2R	4/26/23		0.0112	<0.001	<0.0005	<0.0015
MW-2R	7/25/23		0.00502	<0.001	<0.0005	<0.0015
MW-2R	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-2R	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-2R	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-2R	8/29/24		<0.001	<0.001	<0.001	<0.003
MW-2R	11/20/24		<0.001	<0.001	<0.001	<0.003
MW-3R	2/3/21		0.000235 J	<0.000412	<0.00016	<0.00051
MW-3R	3/18/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	5/5/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	8/4/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	2/8/22		<0.00019	<0.000412	<0.00016	<0.00051

Table 2A

Summary of Groundwater Analytical Results (2021-2024)
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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-3R	5/11/22		<0.00019	<0.000412	0.00563	0.000615 J
MW-3R	8/10/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	11/21/22		0.0642	<0.000412	<0.00016	<0.00051
MW-3R	2/16/23		0.00935	<0.000412	<0.00016	<0.00051
MW-3R	4/26/23		<0.0005	<0.001	<0.0005	<0.0015
MW-3R	7/25/23		<0.0005	<0.001	<0.0005	<0.0015
MW-3R	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-3R	2/28/24		<0.0005	<0.001	<0.0005	<0.0015
MW-3R	5/23/24		0.0046	<0.001	<0.001	<0.003
MW-3R	8/29/24		0.1	<0.001	<0.001	<0.003
MW-3R	11/20/24		0.063	<0.001	<0.001	<0.003
MW-4R	2/3/21		0.000935	<0.000412	<0.00016	<0.00051
MW-4R	3/18/21	DUP	0.961	<0.000412	<0.00016	0.000588 J
MW-4R	3/19/21		1.07	<0.000412	<0.00016	0.00821 J
MW-4R	5/5/21	DUP	1.36	<0.000412	<0.00016	<0.00051
MW-4R	5/5/21		1.31	<0.000412	<0.00016	<0.00051
MW-4R	8/4/21	DUP	1.61	<0.000412	<0.00016	<0.00051
MW-4R	8/4/21		1.61	<0.000412	<0.00016	<0.00051
MW-4R	11/2/21	DUP	1.54	<0.000412	<0.00016	0.00571
MW-4R	11/2/21		1.48	<0.00412	<0.0016	<0.0051
MW-4R	2/8/22	DUP	0.489	<0.00412	<0.0016	<0.0051
MW-4R	2/8/22		0.505	<0.00412	<0.0016	<0.0051
MW-4R	5/11/22		0.675	<0.00412	0.000424 J	<0.0051
MW-4R	8/10/22		0.115	<0.00412	<0.0016	<0.0051
MW-4R	11/21/22		0.276	<0.00412	<0.0016	<0.0051
MW-4R	2/16/23		0.0131	<0.00412	<0.0016	<0.0051
MW-4R	4/26/23		0.051	<0.001	<0.0005	<0.0015
MW-4R	7/28/23		<0.01	<0.02	<0.01	<0.03
MW-4R	10/31/23		0.00815	<0.001	<0.0005	<0.0015
MW-4R	2/29/24	DUP	<0.0005	<0.001	<0.0005	<0.0015
MW-4R	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-4R	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-4R	8/29/24		0.014	<0.001	<0.001	<0.003
MW-4R	11/21/24		0.013	<0.001	<0.001	<0.003
MW-5R	2/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	3/18/21		<0.00019	<0.000412	<0.00016	0.000788 J
MW-5R	5/4/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	8/4/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	2/8/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	5/11/22		<0.00019	<0.000412	0.000489 J	0.00078 J
MW-5R	8/10/22		0.0698	<0.000412	<0.00016	<0.00051
MW-5R	11/21/22		0.387	0.00217	0.00212	0.000874 J
MW-5R	2/16/23		0.772	<0.000412	<0.00016	<0.00051
MW-5R	4/26/23		0.0392	<0.001	<0.0005	<0.0015
MW-5R	7/25/23		0.0313	<0.001	<0.0005	<0.0015
MW-5R	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-5R	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-5R	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-5R	8/30/24		<0.001	<0.001	<0.001	<0.003
MW-5R	11/21/24	DUP	<0.001	<0.001	<0.001	<0.003
MW-5R	11/21/24		<0.001	<0.001	<0.001	<0.003
MW-6	2/2/21		-	-	-	-
MW-6	3/18/21		-	-	-	-
MW-6	5/4/21		-	-	-	-
MW-6	8/3/21		-	-	-	-
MW-6R	2/28/24		<0.0005	<0.001	<0.0005	<0.0015
MW-6R	5/23/24		<0.001	0.0058	<0.001	<0.003
MW-6R	8/29/24		0.0016	<0.001	<0.001	<0.003
MW-6R	11/21/24		<0.001	<0.001	<0.001	<0.003
MW-7	2/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	3/18/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	5/4/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	8/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	2/7/22		0.000266 J	<0.000412	<0.00016	<0.00051
MW-7	5/11/22		<0.00019	<0.000412	0.000411 J	<0.00051
MW-7	8/10/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	11/21/22		<0.00019	<0.000412	<0.00016	<0.00051

Table 2A

Summary of Groundwater Analytical Results (2021-2024)
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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-7	2/16/23		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	4/26/23		<0.0005	<0.001	<0.0005	<0.0015
MW-7	7/25/23		<0.0005	<0.001	<0.0005	<0.0015
MW-7	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-7	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-7	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-7	8/30/24		<0.001	<0.001	<0.001	<0.003
MW-7	11/20/24		0.0058	<0.001	<0.001	<0.003
MW-8	2/2/21		-	-	-	-
MW-8	3/18/21		-	-	-	-
MW-8	5/4/21		-	-	-	-
MW-8	8/3/21		-	-	-	-
MW-9	2/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	3/18/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	5/5/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	8/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	2/7/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	5/11/22		0.000249 J	<0.000412	<0.00016	<0.00051
MW-9	8/10/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	11/21/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	2/16/23		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	4/26/23		<0.0005	<0.001	<0.0005	<0.0015
MW-9	7/25/23		<0.0005	<0.001	<0.0005	<0.0015
MW-9	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-9	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-9	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-9	8/29/24		<0.001	<0.001	<0.001	<0.003
MW-9	11/20/24		<0.001	<0.001	<0.001	<0.003
MW-10	2/2/21		-	-	-	-
MW-10	3/18/21		-	-	-	-
MW-10	5/4/21		-	-	-	-
MW-10	8/3/21		-	-	-	-
MW-10	2/7/22		-	-	-	-
MW-10	5/10/22		-	-	-	-
MW-10	8/9/22		-	-	-	-
MW-10	11/21/22		-	-	-	-
MW-10	2/16/23		-	-	-	-
MW-11	2/3/21		0.381	<0.000412	<0.00016	<0.00051
MW-11	2/24/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	3/18/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	5/5/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	8/3/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	11/1/21		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	2/7/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	5/11/22		<0.00019	<0.000412	0.000409 J	<0.00051
MW-11	8/10/22		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	11/21/22		0.000212 J	<0.000412	<0.00016	<0.00051
MW-11	2/16/23		0.165	0.718	<0.04	0.736
MW-11	4/26/23		<0.0005	<0.001	<0.0005	<0.0015
MW-11	7/25/23		<0.0005	<0.001	<0.0005	<0.0015
MW-11	10/31/23		<0.0005	<0.001	<0.0005	<0.0015
MW-11	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-11	5/23/24		<0.001	<0.001	<0.001	<0.003
MW-11	11/21/24		<0.001	<0.001	<0.001	<0.003
MW-12	2/3/21		0.00464	<0.000412	<0.00016	<0.00051
MW-12	3/18/21		0.355	<0.000412	<0.00016	0.00284 J
MW-12	5/5/21		0.88	<0.000412	<0.00016	<0.00051
MW-12	8/3/21		0.105	<0.000412	<0.00016	0.000783 J
MW-12	11/2/21		0.233	<0.000412	<0.00016	<0.00051
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	<0.00051
MW-12	9/13/22		0.137	<0.000412	<0.00016	<0.00051
MW-12	11/21/22	DUP	0.475	<0.000412	<0.00016	<0.00051
MW-12	11/21/22		0.632	<0.000412	<0.00016	<0.00051
MW-12	2/16/23	DUP	0.52	<0.000412	<0.00016	<0.00051
MW-12	2/16/23		0.395	<0.000412	<0.00016	<0.00051
MW-12	4/26/23	DUP	1.29	<0.001	<0.0005	<0.0015
MW-12	4/26/23		1.26	<0.001	<0.0005	<0.0015

Table 2A
Summary of Groundwater Analytical Results (2021-2024)
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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-12	7/25/23	DUP	1.36	<0.001	<0.0005	<0.0015
MW-12	7/25/23		1.32	<0.02	<0.01	<0.03
MW-12	10/31/23	DUP	0.835	<0.02	<0.01	<0.03
MW-12	10/31/23		0.865	<0.02	<0.01	<0.03
MW-12	2/29/24	DUP	<0.0005	<0.001	<0.0005	<0.0015
MW-12	2/29/24		0.000613	0.00179	<0.0005	<0.0015
MW-12	5/24/24	DUP	0.98	<0.001	<0.001	<0.003
MW-12	5/24/24		0.92	<0.001	<0.001	<0.003
MW-12	8/29/24	DUP	1.5	<0.01	<0.01	<0.03
MW-12	8/30/24		0.7	<0.001	<0.001	<0.003
MW-12	11/21/24	DUP	1	<0.001	<0.001	<0.003
MW-12	11/21/24		2	<0.001	<0.001	<0.003
MW-13	2/28/24		<0.0005	<0.001	<0.0005	<0.0015
MW-13	5/24/24		0.097	<0.001	<0.001	<0.003
MW-13	8/30/24		0.042	<0.001	<0.001	<0.003
MW-13	11/21/24		0.0093	<0.001	<0.001	<0.003
MW-14	2/28/24		0.187	<0.001	<0.0005	<0.0015
MW-14	5/24/24		0.82	<0.001	<0.001	<0.003
MW-14	8/30/24		0.19	<0.001	<0.001	<0.003
MW-14	11/21/24		0.14	<0.001	<0.001	<0.003
MW-15	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-15	5/24/24		<0.001	<0.001	<0.001	<0.003
MW-15	8/30/24		0.51	<0.01	<0.01	0.043
MW-15	11/20/24		1	<0.001	<0.001	<0.003
MW-16	2/29/24		<0.0005	<0.001	<0.0005	<0.0015
MW-16	5/24/24	DUP	<0.001	<0.001	<0.001	<0.003
MW-16	5/24/24		<0.001	<0.001	<0.001	<0.003
MW-16	8/29/24	DUP	<0.001	<0.001	<0.001	<0.003
MW-16	8/29/24		<0.001	<0.001	<0.001	<0.003
MW-16	11/21/24		<0.001	<0.001	<0.001	<0.003

Notes:

- Analytical results are presented in milligrams per liter (mg/L)
- All dates are in the format: MM/DD/YY
- Shaded results indicates results exceeding their respective New Mexico Water Quality Control Commission (NMWCC) Human Health Standards limits
- Bolded results indicate analyte was detected above the laboratory detection limit
- <: Analyte was not detected at or above the laboratory reporting limit
- J: Concentration is less than the quantitation limit and is an estimated value
- : Not Analyzed
- DUP: Duplicate Sample
- Dry: No fluid column measured in corresponding monitoring or recovery well

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
Goff Dairy Well	5/27/11		0.00125	<0.002	<0.001	<0.002
Goff Dairy Well	7/11/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	8/24/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	10/10/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	10/31/11		0.00262	<0.002	<0.001	<0.002
Goff Dairy Well	11/9/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	12/14/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	1/5/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	2/6/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	3/1/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	4/18/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	5/23/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	7/30/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	8/28/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	9/11/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	3/27/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	4/9/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	6/25/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	7/16/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	8/21/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	9/19/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	10/23/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	2/26/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	5/9/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	8/7/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	11/17/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	3/18/15		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	5/12/15		<0.001	<0.002	0.00111	<0.002
Goff Dairy Well	8/11/15		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	11/24/15		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	2/18/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	3/15/16		<0.001	<0.002	0.00111	0.00201
Goff Dairy Well	6/22/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	9/6/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	10/12/16	DUP	<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	10/12/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	4/5/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	6/21/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	9/7/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	3/21/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	6/20/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	8/29/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Well	11/16/18	DUP	<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	11/16/18		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	2/19/19		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	8/23/19		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	4/1/20		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	7/2/20		<0.001	<0.001	<0.001	<0.002
Goff Dairy Well	9/3/20		<0.001	<0.001	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	7/7/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/24/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	10/10/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	10/31/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/9/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	12/14/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	1/5/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	2/6/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/1/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	4/18/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	5/23/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	6/19/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	7/30/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/28/12		<0.001	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
Goff Dairy Ctr. Pivot Well	9/11/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	10/31/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/27/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	12/19/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	2/28/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/27/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	4/9/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	6/25/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/21/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/8/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/7/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/18/15		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/17/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	6/22/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	4/5/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	6/21/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	9/7/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/21/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	6/20/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/29/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/16/18	DUP	<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	11/16/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	2/19/19	DUP	<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	2/19/19		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	8/23/19		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	3/26/20		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	7/2/20		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Well	9/24/20		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	7/7/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	8/24/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	10/10/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	10/31/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	11/9/11		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	3/1/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	4/18/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	5/23/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	6/19/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	7/30/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	9/11/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	10/31/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	11/27/12		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	2/28/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	3/27/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	4/9/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	6/25/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	8/21/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	11/8/13		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	8/7/14		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	3/18/15		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	3/17/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	6/22/16		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	4/5/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	6/21/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	9/7/17		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	3/21/18		<0.001	<0.002	<0.001	<0.002
Goff Dairy Ctr. Pivot Beg.	6/20/18		<0.001	0.00327	<0.001	0.00259
Goff Dairy Ctr. Pivot Beg.	8/29/18		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	11/16/18		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	2/19/19		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	8/23/19		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	3/26/20		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	7/2/20		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot Beg.	9/24/20		<0.002	<0.002	<0.002	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
Goff Dairy Ctr. Pivot End	7/7/11		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	8/24/11		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	10/10/11		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	10/31/11		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	11/9/11		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	3/1/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	4/18/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	5/23/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	6/19/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	7/30/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	9/11/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	10/31/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	11/27/12		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	2/28/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	3/27/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	4/9/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	6/25/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	8/21/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	11/8/13		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	8/7/14		<0.002	<0.002	<0.002	<0.002
Goff Dairy Ctr. Pivot End	3/18/15		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	3/17/16		<0.000408	0.00063 J	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	6/22/16		<0.000408	0.00065 J	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	4/5/17		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	6/21/17		<0.000408	0.00064 J	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	9/7/17		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	3/21/18		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	6/20/18		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	8/29/18		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	11/16/18		<0.000408	<0.000367	<0.000657	<0.00063
Goff Dairy Ctr. Pivot End	2/19/19		<0.0005	<0.001	<0.0005	<0.0015
Goff Dairy Ctr. Pivot End	8/23/19		<0.0005	<0.001	<0.0005	<0.0015
Goff Dairy Ctr. Pivot End	3/26/20		<0.0005	<0.001	<0.0005	<0.0015
Goff Dairy Ctr. Pivot End	7/2/20		<0.0005	<0.001	<0.0005	<0.0015
Goff Dairy Ctr. Pivot End	9/3/20		<0.0005	<0.001	<0.0005	<0.0015
JW House Well	7/14/11		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	8/24/11		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	10/10/11		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	10/31/11		0.000228 J	<0.000412	<0.00016	<0.00051
JW House Well	11/9/11		0.000299 J	<0.000412	<0.00016	<0.00051
JW House Well	3/1/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	4/18/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	5/23/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	6/19/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	7/30/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	8/28/12		0.00026 J	<0.000412	<0.00016	<0.00051
JW House Well	9/11/12		0.000242 J	<0.000412	<0.00016	<0.00051
JW House Well	10/31/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	11/27/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	12/19/12		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	1/31/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	2/28/13		<0.00019	<0.000412	<0.00016	0.00085 J
JW House Well	3/27/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	4/9/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	5/29/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	6/25/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	7/16/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	8/21/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	9/19/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	11/8/13		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	2/13/14		0.000347 J	<0.000412	<0.00016	<0.00051
JW House Well	5/9/14		0.0003 J	<0.000412	<0.00016	<0.00051
JW House Well	8/7/14		<0.00019	<0.000412	<0.00016	<0.00051

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
JW House Well	11/17/14		0.000795	<0.000412	<0.00016	<0.00051
JW House Well	3/18/15		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	5/12/15		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	8/11/15		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	12/2/15		0.000452 J	<0.000412	<0.00016	<0.00051
JW House Well	3/15/16		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	6/22/16		0.000355 J	<0.000412	<0.00016	<0.00051
JW House Well	9/6/16		0.000363 J	<0.000412	<0.00016	<0.00051
JW House Well	10/12/16		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	12/13/16		0.000219 J	<0.000412	<0.00016	<0.00051
JW House Well	4/5/17		<0.00019	0.000637 J	0.000304 J	0.00111 J
JW House Well	6/21/17		0.000216 J	<0.000412	<0.00016	<0.00051
JW House Well	9/25/17		0.000498 J	<0.000412	<0.00016	<0.00051
JW House Well	11/28/17		0.000236 J	<0.000412	<0.00016	<0.00051
JW House Well	2/23/18		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	5/25/18		<0.00019	<0.000412	<0.00016	<0.00051
JW House Well	8/29/18		0.00068	<0.001	<0.0005	<0.0015
JW House Well	11/16/18		<0.0005	<0.001	<0.0005	<0.0015
JW House Well	8/23/19		0.000206 J	<0.001	<0.0005	<0.0015
JW House Well	12/3/19		0.000217 J	<0.001	<0.0005	<0.0015
MW-1	10/5/06		<0.001	<0.001	<0.001	<0.001
MW-1	12/28/06		<0.001	<0.001	<0.001	0.002
MW-1	3/16/07		<0.001	<0.001	<0.001	<0.001
MW-1	5/31/07		<0.001	<0.001	<0.001	<0.001
MW-1	9/25/07		<0.001	<0.001	<0.001	<0.002
MW-1	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-1	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-1	6/14/08		<0.001	<0.002	<0.001	<0.002
MW-1	9/17/08		0.02	<0.002	<0.001	<0.002
MW-1	12/2/08		0.035	<0.002	<0.001	<0.002
MW-1	3/3/09		<0.001	<0.002	<0.001	<0.002
MW-1	6/18/09		<0.001	<0.002	<0.001	<0.002
MW-1	9/1/09		<0.001	<0.002	<0.001	<0.002
MW-1	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-1	3/4/10		<0.001	<0.002	<0.001	<0.002
MW-1	5/25/10		<0.001	<0.002	<0.001	<0.002
MW-1	8/30/10		<0.001	<0.002	<0.001	<0.002
MW-1	11/11/10		<0.001	<0.002	<0.001	<0.002
MW-1	3/22/11		<0.001	<0.002	<0.001	<0.002
MW-1	5/27/11		<0.001	<0.002	<0.001	<0.002
MW-1	8/24/11		<0.001	<0.002	<0.001	<0.002
MW-1	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-1	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-1	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-1	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-1	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-1	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-1	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-1	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-1	2/26/14		0.047	<0.002	<0.001	<0.002
MW-1	8/7/14		0.026	<0.002	<0.001	<0.002
MW-1	3/18/15		0.328	<0.002	<0.001	0.00209
MW-1	2/18/16		0.107	<0.002	<0.001	<0.001
MW-1	9/6/16		-	-	-	-
MW-1	10/11/16		<0.002	<0.002	<0.002	<0.002
MW-1	12/13/16		0.00892	<0.002	<0.002	<0.002
MW-1	6/21/17		-	-	-	-
MW-1	9/25/17		-	-	-	-
MW-1	11/28/17		-	-	-	-
MW-1	2/23/18		-	-	-	-
MW-1	5/24/18		-	-	-	-
MW-1R	11/16/18		0.425	<0.000412	<0.00016	0.00076 J
MW-1R	2/19/19		0.243	<0.000412	<0.00016	<0.00051

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-1R	5/22/19		0.0594	<0.000412	<0.00016	<0.00051
MW-1R	8/23/19		0.709	<0.000412	<0.00016	0.0064 J
MW-1R	10/18/19		0.53	<0.00206	<0.0008	<0.00255
MW-1R	2/21/20		0.17	<0.00206	<0.0008	<0.00255
MW-1R	5/21/20		0.513	<0.000412	<0.00016	<0.00072
MW-1R	9/3/20		0.162	0.000813 J	<0.00016	0.000787 J
MW-1R	11/5/20		0.458	<0.00412	<0.0016	<0.0051
MW-2	10/5/06		0.01	<0.001	<0.001	<0.001
MW-2	12/28/06		0.161	<0.001	<0.001	0.024
MW-2	3/16/07		0.154	<0.001	<0.001	0.015
MW-2	5/31/07		0.005	<0.001	<0.001	<0.001
MW-2	9/25/07		0.05	<0.001	<0.001	0.003
MW-2	11/30/07		0.928	<0.001	<0.005	0.036
MW-2	3/11/08		0.095	<0.002	<0.001	0.0032
MW-2	6/14/08		0.003	<0.002	<0.001	<0.002
MW-2	9/17/08		0.159	<0.002	<0.001	0.004
MW-2	12/2/08		0.05	0.002	<0.001	0.008
MW-2	3/3/09		0.0356	<0.002	<0.001	0.0026
MW-2	6/18/09		0.0097	<0.002	<0.001	<0.002
MW-2	9/1/09		0.0842	<0.002	<0.001	0.0083
MW-2	12/18/09		0.0129	<0.002	<0.001	0.0095
MW-2	3/4/10		0.0026	<0.002	<0.001	<0.002
MW-2	5/25/10		0.0023	<0.002	<0.001	<0.002
MW-2	8/30/10		0.0406	<0.002	<0.001	0.0132
MW-2	11/11/10		0.0087	<0.002	<0.001	0.091
MW-2	3/22/11		0.0361	<0.002	<0.001	0.0616
MW-2	5/27/11		0.0022	<0.002	<0.001	0.00297
MW-2	9/30/11		0.179	<0.002	0.00275	0.00557
MW-2	2/6/12		0.00187	<0.002	<0.001	0.00314
MW-2	5/23/12		-	-	-	-
MW-2	8/28/12		-	-	-	-
MW-2	11/27/12		-	-	-	-
MW-2	2/28/13		<0.001	<0.002	<0.001	<0.002
MW-2	5/23/13		-	-	-	-
MW-2	8/21/13		-	-	-	-
MW-2	5/9/14		-	-	-	-
MW-2	8/7/14		-	-	-	-
MW-2	11/17/14		-	-	-	-
MW-2	3/18/15		-	-	-	-
MW-2	11/24/15		-	-	-	-
MW-2	2/18/16		-	-	-	-
MW-2	6/22/16		-	-	-	-
MW-2	9/6/16		-	-	-	-
MW-2	10/11/16		-	-	-	-
MW-2	12/13/16		-	-	-	-
MW-2	4/5/17		-	-	-	-
MW-2	6/21/17		-	-	-	-
MW-2	9/25/17		-	-	-	-
MW-2	11/28/17		-	-	-	-
MW-2	2/23/18		-	-	-	-
MW-2	5/24/18		-	-	-	-
MW-2R	11/16/18		0.163	<0.000412	<0.00016	0.00198
MW-2R	2/19/19		0.0944	<0.000412	<0.00016	0.00102 J
MW-2R	5/22/19		0.0124	<0.000412	<0.00016	0.00104 J
MW-2R	8/23/19		0.212	<0.000412	<0.00016	0.00102 J
MW-2R	10/18/19		0.223	<0.000412	<0.00016	0.000602 J
MW-2R	2/21/20		0.0969	<0.000412	<0.00016	0.000801 J
MW-2R	5/21/20		0.0987	<0.000412	<0.00016	<0.00051
MW-2R	9/3/20		0.0773	<0.000412	<0.00016	<0.00051
MW-2R	11/5/20		0.0924	<0.000412	<0.00016	<0.00051
MW-3	10/5/06		6.6	<0.001	<0.001	0.072
MW-3	12/28/06		1.02	<0.001	0.005	0.028
MW-3	3/16/07		1.48	<0.001	0.013	0.034

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-3	5/31/07		1.66	0.01	0.034	0.041
MW-3	9/25/07		0.494	0.023	0.02	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	<0.002	<0.001	0.002
MW-3	12/2/08		0.024	<0.002	<0.001	0.005
MW-3	3/3/09		1.367	0.0305	0.0251	0.0331
MW-3	6/18/09		0.0031	<0.002	<0.001	<0.002
MW-3	9/1/09		0.0073	0.0033	<0.001	0.0043
MW-3	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-3	3/4/10		0.0011	<0.002	<0.001	<0.002
MW-3	5/25/10		0.0109	0.0033	<0.001	0.0075
MW-3	8/30/10		0.0092	0.0036	<0.001	0.0093
MW-3	11/11/10		0.0033	<0.002	<0.001	0.0036
MW-3	3/22/11		0.00904	0.00283	<0.001	0.0119
MW-3	5/27/11		0.0205	<0.002	<0.001	0.00424
MW-3	8/24/11		0.0262	0.00333	<0.001	0.0114
MW-3	11/9/11		0.00211	<0.002	<0.001	0.00345
MW-3	2/6/12		0.0214	0.00306	0.00126	0.011
MW-3	5/23/12		0.00929	0.00201	<0.001	0.00845
MW-3	8/28/12		0.00747	<0.002	<0.001	0.00136
MW-3	11/27/12		0.012	0.00284	0.00109	0.00962
MW-3	2/22/13		0.0112	<0.002	<0.001	0.00514
MW-3	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-3	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-3	11/8/13		0.00241	<0.002	<0.001	<0.002
MW-3	2/13/14		0.0028	<0.002	<0.001	<0.002
MW-3	5/9/14		0.0089	<0.002	<0.001	<0.002
MW-3	9/16/14		0.0164	<0.002	<0.001	<0.002
MW-3	11/17/14		0.119	0.00692	<0.001	0.0438
MW-3	3/18/15		0.014	0.0065	<0.001	0.0154
MW-3	11/24/15		<0.001	<0.002	<0.001	<0.002
MW-3	2/18/16		0.00528	<0.002	<0.001	0.00668
MW-3	9/6/16		-	-	-	-
MW-3	10/12/16		0.00557	0.00181	<0.002	0.00452
MW-3	12/13/16		0.0053	0.00224	<0.002	0.00441
MW-3	6/21/17		-	-	-	-
MW-3	9/25/17		-	-	-	-
MW-3	11/28/17		-	-	-	-
MW-3	2/23/18		-	-	-	-
MW-3	5/24/18		-	-	-	-
MW-3R	11/16/18		0.0243	<0.000412	0.00134	0.00318
MW-3R	2/19/19		0.00102	<0.000412	<0.00016	<0.00051
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	DUP	0.022	<0.000412	0.00204	0.00217
MW-3R	10/18/19		0.0303	0.00199	0.0029	0.0028
MW-3R	2/21/20		0.0114	<0.000412	0.000698	0.000937 J
MW-3R	5/21/20		0.000684	<0.000412	<0.00016	<0.00051
MW-3R	9/3/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-3R	11/5/20	DUP	<0.00019	<0.000412	0.000364 J	0.00112 J
MW-3R	11/5/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-4	12/28/06		<0.001	<0.001	<0.001	<0.001
MW-4	3/16/07		<0.001	<0.001	<0.001	<0.001
MW-4	5/30/07		<0.001	0.001	<0.001	<0.001
MW-4	9/25/07		<0.001	0.001	<0.001	<0.002
MW-4	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-4	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-4	6/14/08		<0.001	<0.002	<0.001	<0.002
MW-4	9/17/08		<0.001	<0.002	<0.001	<0.002
MW-4	12/2/08		<0.001	0.006	<0.001	<0.002
MW-4	3/3/09		<0.001	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-4	6/18/09		<0.001	<0.002	<0.001	<0.002
MW-4	9/1/09		<0.001	<0.002	<0.001	<0.002
MW-4	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-4	3/4/10		<0.001	<0.002	<0.001	<0.002
MW-4	5/25/10		<0.001	<0.002	<0.001	<0.002
MW-4	8/30/10		<0.001	<0.002	<0.001	<0.002
MW-4	11/11/10		<0.001	<0.002	<0.001	<0.002
MW-4	3/22/11		<0.001	<0.002	<0.001	<0.002
MW-4	5/27/11		<0.001	<0.002	<0.001	<0.002
MW-4	8/24/11		0.0012	<0.002	<0.001	<0.002
MW-4	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-4	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-4	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-4	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-4	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-4	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-4	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-4	8/21/13		-	-	-	-
MW-4	2/26/14		<0.001	<0.002	<0.001	<0.002
MW-4	8/7/14		-	-	-	-
MW-4	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-4	9/9/15		-	-	-	-
MW-4	2/18/16		-	-	-	-
MW-4	9/6/16		-	-	-	-
MW-4	10/11/16		-	-	-	-
MW-4	12/13/16		-	-	-	-
MW-4	4/5/17		-	-	-	-
MW-4	9/25/17		-	-	-	-
MW-4	11/28/17		-	-	-	-
MW-4	2/23/18		-	-	-	-
MW-4	5/24/18		-	-	-	-
MW-4R	11/16/18		1.1	<0.000412	<0.00016	0.0226
MW-4R	2/19/19		1.49	<0.000412	<0.00016	0.00903
MW-4R	5/22/19		0.537	<0.00206	<0.0008	0.00569 J
MW-4R	8/23/19	DUP	1.27	<0.000412	<0.00016	0.00547
MW-4R	8/23/19		1.15	<0.00824	<0.0032	<0.0102
MW-4R	10/18/19		1.29	<0.00412	<0.0016	<0.0051
MW-4R	2/21/20		1.04	<0.00412	<0.0016	0.0119 J
MW-4R	5/21/20		0.918	<0.000412	<0.00016	0.00132 J
MW-4R	9/3/20		1.58 J6	<0.000412	<0.00016	<0.00051
MW-4R	11/5/20		2.43	<0.00824	<0.0032	<0.0102

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-5	12/28/06		<0.001	<0.001	<0.001	<0.001
MW-5	3/16/07		<0.001	<0.001	<0.001	<0.001
MW-5	5/30/07		<0.001	<0.001	<0.001	<0.001
MW-5	9/25/07		<0.001	<0.001	<0.001	<0.002
MW-5	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-5	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-5	6/14/08		<0.001	<0.002	<0.001	<0.002
MW-5	9/17/08		<0.001	<0.002	<0.001	<0.002
MW-5	12/2/08		<0.001	<0.002	<0.001	<0.002
MW-5	3/3/09		<0.001	<0.002	<0.001	<0.002
MW-5	6/18/09		<0.001	<0.002	<0.001	<0.002
MW-5	9/1/09		<0.001	<0.002	<0.001	<0.002
MW-5	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-5	3/4/10		<0.001	<0.002	<0.001	<0.002
MW-5	5/25/10		0.0014	<0.002	<0.001	<0.002
MW-5	8/30/10		<0.001	<0.002	<0.001	<0.002
MW-5	11/11/10		<0.001	<0.002	<0.001	<0.002
MW-5	3/22/11		<0.001	<0.002	<0.001	<0.002
MW-5	5/27/11		<0.001	<0.002	<0.001	<0.002
MW-5	8/24/11		<0.001	<0.002	<0.001	<0.002
MW-5	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-5	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-5	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-5	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-5	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-5	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-5	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-5	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-5	2/13/14		<0.001	<0.002	<0.001	<0.002
MW-5	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-5	9/9/15		-	-	-	-
MW-5	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-5	9/6/16		-	-	-	-
MW-5	10/11/16		-	-	-	-
MW-5	4/5/17		-	-	-	-
MW-5	6/21/17		-	-	-	-
MW-5	9/25/17		-	-	-	-
MW-5	11/28/17		-	-	-	-
MW-5	2/23/18		-	-	-	-
MW-5	5/24/18		-	-	-	-
MW-5R	11/16/18		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	2/19/19		0.000239 J	<0.000412	<0.00016	<0.00051
MW-5R	5/22/19		0.000313 J	<0.000412	<0.00016	<0.00051
MW-5R	8/23/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	10/18/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	2/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	5/21/20	DUP	<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	5/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	9/3/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-5R	11/5/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-6	12/28/06		<0.001	<0.001	<0.001	<0.001
MW-6	3/16/07		<0.001	<0.001	<0.001	<0.001
MW-6	5/30/07		<0.001	<0.001	<0.001	<0.001
MW-6	9/25/07		<0.001	<0.001	<0.001	<0.002
MW-6	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-6	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-6	6/14/08		<0.001	<0.002	<0.001	<0.002
MW-6	9/17/08		<0.001	<0.002	<0.001	<0.002
MW-6	12/2/08		<0.001	<0.002	<0.001	<0.002
MW-6	3/3/09		<0.001	<0.002	<0.001	<0.002
MW-6	6/18/09		0.0044	<0.002	<0.001	<0.002
MW-6	9/1/09		<0.001	<0.002	<0.001	<0.002
MW-6	12/18/09		0.013	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-6	3/4/10		0.0063	<0.002	<0.001	<0.002
MW-6	5/25/10		0.0059	<0.002	<0.001	<0.002
MW-6	8/30/10		0.0053	<0.002	<0.001	<0.002
MW-6	11/11/10		0.0082	<0.002	<0.001	0.0035
MW-6	3/22/11		<0.001	<0.002	<0.001	<0.002
MW-6	5/27/11		<0.001	<0.002	<0.001	<0.002
MW-6	8/24/11		0.105	<0.002	<0.001	0.0628
MW-6	11/9/11		0.00356	<0.002	<0.001	0.0388
MW-6	2/6/12		0.0129	<0.002	0.00106	0.133
MW-6	5/23/12		0.00768	<0.001	<0.001	0.157
MW-6	8/28/12		<0.001	<0.002	<0.001	0.0026
MW-6	11/27/12		0.00121	<0.002	<0.001	0.0414
MW-6	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-6	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-6	8/21/13		-	-	-	-
MW-6	11/8/13		<0.001	<0.002	<0.001	<0.002
MW-6	2/13/14		<0.001	<0.002	<0.001	<0.002
MW-6	5/9/14		<0.001	<0.002	<0.001	<0.002
MW-6	11/17/14		<0.001	<0.002	<0.001	<0.002
MW-6	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-6	11/24/15		<0.001	<0.002	<0.001	<0.002
MW-6	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-6	6/22/16		-	-	-	-
MW-6	9/6/16		-	-	-	-
MW-6	10/12/16		<0.002	<0.002	<0.002	<0.002
MW-6	12/13/16		<0.002	<0.002	<0.002	<0.002
MW-6	4/5/17		-	-	-	-
MW-6	6/21/17		-	-	-	-
MW-6	9/25/17		-	-	-	-
MW-6	2/18/19		-	-	-	-
MW-6	5/21/19		-	-	-	-
MW-6	8/23/19		-	-	-	-
MW-6	10/17/19		-	-	-	-
MW-6	2/20/20		-	-	-	-
MW-6	5/20/20		-	-	-	-
MW-6	9/2/20		-	-	-	-
MW-6	11/5/20		-	-	-	-
MW-7	12/28/06		0.047	<0.001	<0.001	0.001
MW-7	3/16/07		0.047	<0.001	<0.001	0.015
MW-7	5/31/07		0.039	<0.001	<0.001	0.005
MW-7	9/25/07		0.037	<0.001	<0.001	0.03
MW-7	11/30/07		0.026	<0.002	<0.001	0.022
MW-7	3/11/08		0.095	<0.002	<0.001	0.0032
MW-7	6/14/08		0.138	<0.002	<0.001	0.016
MW-7	9/17/08		0.353	<0.002	<0.001	0.003
MW-7	12/2/08		0.036	<0.002	<0.001	0.005
MW-7	3/3/09		0.0775	<0.002	<0.001	0.0327
MW-7	6/18/09		0.057	<0.002	<0.001	0.0329
MW-7	9/1/09		0.012	<0.002	<0.001	<0.002
MW-7	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-7	3/4/10		<0.001	<0.002	<0.001	<0.002
MW-7	5/25/10		<0.001	<0.002	<0.001	<0.002
MW-7	8/30/10		<0.001	<0.002	<0.001	<0.002
MW-7	11/11/10		<0.001	<0.002	<0.001	<0.002
MW-7	3/22/11		<0.001	<0.002	<0.001	<0.002
MW-7	5/27/11		<0.001	<0.002	<0.001	<0.002
MW-7	8/24/11		0.00192	<0.002	<0.001	<0.002
MW-7	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-7	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-7	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-7	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-7	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-7	2/22/13		<0.001	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-7	5/23/13		0.00868	<0.002	<0.001	<0.002
MW-7	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-7	11/8/13		<0.001	<0.002	<0.001	<0.002
MW-7	2/13/14		<0.001	<0.002	<0.001	<0.002
MW-7	6/24/14		<0.001	<0.002	<0.001	<0.002
MW-7	8/27/14		0.048	<0.002	<0.001	<0.002
MW-7	11/17/14		0.177	<0.002	<0.001	<0.002
MW-7	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-7	5/12/15		0.142	<0.002	<0.001	<0.002
MW-7	8/11/15		<0.001	<0.002	<0.001	<0.002
MW-7	11/24/15		0.0013	<0.002	<0.001	<0.002
MW-7	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-7	6/22/16		<0.002	<0.002	<0.002	<0.002
MW-7	9/6/16		<0.002	<0.002	<0.002	<0.002
MW-7	10/11/16		<0.002	<0.002	<0.002	<0.002
MW-7	12/13/16		0.0022	<0.002	<0.002	<0.002
MW-7	4/5/17		<0.002	<0.002	<0.002	<0.002
MW-7	6/21/17		<0.002	<0.002	<0.002	<0.002
MW-7	9/25/17		<0.002	<0.002	<0.002	<0.002
MW-7	11/28/17		<0.002	<0.002	<0.002	<0.002
MW-7	2/23/18		<0.000408	<0.000367	<0.000657	<0.00063
MW-7	5/25/18	DUP	<0.000408	<0.000367	<0.000657	<0.00063
MW-7	5/25/18		<0.000408	<0.000367	<0.000657	<0.00063
MW-7	8/29/18		<0.0005	<0.001	<0.0005	<0.0015
MW-7	11/16/18		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	2/19/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	5/22/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	8/23/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	10/18/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	2/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	5/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	9/3/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-7	11/5/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-8	3/16/07		<0.001	<0.001	<0.001	<0.001
MW-8	5/31/07		<0.001	<0.001	<0.001	<0.001
MW-8	9/25/07		<0.001	<0.001	<0.001	<0.002
MW-8	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-8	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-8	6/14/08		0.008	<0.002	<0.001	<0.002
MW-8	9/17/08		0.568	<0.01	<0.005	<0.01
MW-8	12/2/08		0.234	0.046	0.008	0.054
MW-8	3/3/09		0.0284	<0.002	<0.001	0.0068
MW-8	6/18/09		0.0045	<0.002	0.0016	0.0032
MW-8	9/1/09		0.0013	<0.002	0.0011	0.0141
MW-8	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-8	3/4/10		<0.001	<0.002	0.0011	<0.002
MW-8	5/25/10		0.0012	<0.002	0.001	<0.002
MW-8	8/30/10		<0.001	<0.002	0.0014	<0.002
MW-8	11/11/10		<0.001	<0.002	<0.001	<0.002
MW-8	3/22/11		<0.001	<0.002	<0.001	0.00154
MW-8	5/27/11		<0.001	<0.002	<0.001	0.0026
MW-8	8/24/11		<0.001	<0.002	<0.001	<0.002
MW-8	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-8	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-8	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-8	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-8	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-8	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-8	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-8	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-8	2/26/14		<0.001	<0.002	<0.001	<0.002
MW-8	8/7/14		<0.001	<0.002	<0.001	<0.002
MW-8	3/18/15		<0.001	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-8	9/9/15		<0.001	<0.002	<0.001	<0.002
MW-8	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-8	9/6/16		-	-	-	-
MW-8	10/11/16		<0.002	<0.002	<0.002	<0.002
MW-8	4/5/17		<0.002	<0.002	<0.002	<0.002
MW-8	9/25/17		<0.002	<0.002	<0.002	<0.002
MW-8	5/24/18		-	-	-	-
MW-8	11/16/18		-	-	-	-
MW-8	2/18/19		-	-	-	-
MW-8	5/21/19		-	-	-	-
MW-8	8/23/19		-	-	-	-
MW-8	10/17/19		-	-	-	-
MW-8	2/20/20		-	-	-	-
MW-8	5/20/20		-	-	-	-
MW-8	9/2/20		-	-	-	-
MW-8	11/5/20		-	-	-	-
MW-9	9/25/07		<0.001	<0.002	<0.001	<0.002
MW-9	11/30/07		<0.001	<0.002	<0.001	<0.002
MW-9	3/11/08		<0.001	<0.002	<0.001	<0.002
MW-9	6/14/08		<0.001	<0.002	<0.001	<0.002
MW-9	9/17/08		<0.001	<0.002	<0.001	<0.002
MW-9	12/2/08		<0.001	<0.002	<0.001	<0.002
MW-9	3/3/09		<0.001	<0.002	<0.001	<0.002
MW-9	6/18/09		<0.001	<0.002	<0.001	<0.002
MW-9	9/1/09		0.9717	0.0641	<0.01	0.1289
MW-9	9/10/09		1.838	<0.02	<0.01	0.0537
MW-9	10/5/09		0.985	<0.002	<0.001	0.0442
MW-9	12/18/09		<0.001	<0.002	<0.001	<0.002
MW-9	3/4/10		0.0192	<0.002	<0.001	0.0027
MW-9	5/25/10		0.0421	<0.002	<0.001	0.0063
MW-9	8/30/10		0.1259	<0.002	<0.001	0.0344
MW-9	11/11/10		0.0265	<0.002	<0.001	0.0097
MW-9	3/22/11		0.00335	<0.002	<0.001	<0.002
MW-9	5/27/11		0.00406	<0.002	<0.001	0.00326
MW-9	8/24/11		<0.001	<0.002	<0.001	0.00237
MW-9	11/9/11		0.00179	<0.002	<0.001	0.00349
MW-9	12/14/11		<0.001	<0.002	<0.001	<0.002
MW-9	1/5/12		<0.001	<0.002	<0.001	<0.002
MW-9	2/6/12		<0.001	<0.002	<0.001	<0.002
MW-9	3/1/12		<0.001	<0.002	<0.001	<0.002
MW-9	4/18/12		<0.001	<0.002	<0.001	<0.002
MW-9	5/23/12		<0.001	<0.001	<0.001	<0.002
MW-9	6/19/12		<0.001	<0.001	<0.001	<0.002
MW-9	7/30/12		<0.001	<0.002	<0.001	<0.002
MW-9	8/28/12		<0.001	<0.002	<0.001	<0.002
MW-9	9/11/12		<0.001	<0.002	<0.001	<0.002
MW-9	10/31/12		<0.001	<0.002	<0.001	<0.002
MW-9	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-9	12/19/12		<0.001	<0.002	<0.001	<0.002
MW-9	1/30/13		<0.001	<0.002	<0.001	<0.002
MW-9	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-9	3/27/13		<0.001	<0.002	<0.001	<0.002
MW-9	4/9/13		<0.001	<0.002	<0.001	<0.002
MW-9	5/29/13		<0.001	<0.002	<0.001	<0.002
MW-9	6/25/13		<0.001	<0.002	<0.001	<0.002
MW-9	7/16/13		<0.001	<0.002	<0.001	<0.002
MW-9	8/21/13		<0.001	<0.002	<0.001	<0.002
MW-9	9/19/13		<0.001	<0.002	<0.001	<0.002
MW-9	10/23/13		<0.001	<0.002	<0.001	<0.002
MW-9	2/13/14		<0.001	<0.002	<0.001	<0.002
MW-9	5/9/14		<0.001	<0.002	<0.001	<0.002
MW-9	8/7/14		<0.001	<0.002	<0.001	<0.002
MW-9	11/17/14		<0.001	<0.002	<0.001	<0.002

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-9	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-9	5/12/15		0.0268	<0.002	<0.001	<0.002
MW-9	8/11/15		<0.001	<0.002	<0.001	<0.002
MW-9	11/24/15		0.00899	<0.002	<0.001	<0.002
MW-9	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-9	6/22/16		<0.002	<0.002	<0.002	<0.002
MW-9	9/6/16		0.0363	<0.002	<0.002	<0.002
MW-9	10/11/16		0.0304	<0.002	<0.002	<0.002
MW-9	12/13/16	DUP	0.0268	<0.002	<0.002	<0.002
MW-9	12/13/16		0.0259	<0.002	<0.002	<0.002
MW-9	4/5/17	DUP	<0.002	<0.002	<0.002	<0.002
MW-9	4/5/17		<0.002	<0.002	<0.002	<0.002
MW-9	6/21/17	DUP	<0.002	<0.002	<0.002	<0.002
MW-9	6/21/17		<0.002	<0.002	<0.002	<0.002
MW-9	9/25/17	DUP	<0.002	<0.002	<0.002	<0.002
MW-9	9/25/17		<0.002	<0.002	<0.002	<0.002
MW-9	11/28/17	DUP	<0.002	<0.002	<0.002	<0.002
MW-9	11/28/17		<0.002	<0.002	<0.002	<0.002
MW-9	2/23/18		<0.000408	<0.000367	<0.000657	<0.00063
MW-9	5/25/18		<0.000408	<0.000367	<0.000657	<0.00063
MW-9	8/29/18	DUP	<0.0005	<0.001	<0.0005	<0.0015
MW-9	8/29/18		<0.0005	<0.001	0.00289	0.00249
MW-9	11/16/18		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	2/19/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	5/22/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	8/23/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	10/18/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	2/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	5/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	9/3/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-9	11/5/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-10	11/2/09		<0.005	<0.005	<0.005	<0.01
MW-10	3/4/10		<0.001	<0.002	<0.001	<0.002
MW-10	5/25/10		<0.001	<0.002	<0.001	<0.002
MW-10	8/30/10		<0.001	<0.002	<0.001	<0.002
MW-10	11/11/10		0.035	<0.002	<0.001	0.0035
MW-10	3/22/11		0.0568	<0.002	<0.001	0.00333
MW-10	5/27/11		1.52	<0.002	0.00107	0.0113
MW-10	7/11/11		3	0.00265	0.00365	0.0271
MW-10	8/24/11		0.654	<0.002	0.00158	0.0203
MW-10	10/10/11		0.183	<0.002	<0.001	0.121
MW-10	10/31/11		0.053	<0.002	0.0014	0.0966
MW-10	11/9/11		<0.001	<0.002	<0.001	<0.002
MW-10	12/14/11		0.00846	0.00226	<0.001	0.0261
MW-10	1/5/12		0.00432	<0.002	<0.001	0.0126
MW-10	2/6/12		0.00233	<0.002	<0.001	0.00644
MW-10	3/1/12		0.00134	<0.002	<0.001	0.00423
MW-10	4/18/12		0.00338	<0.002	<0.001	0.0175
MW-10	5/23/12		0.00387	<0.001	<0.001	0.103
MW-10	6/19/12		<0.001	<0.001	<0.001	0.0157
MW-10	7/30/12		-	-	-	-
MW-10	8/28/12		<0.001	<0.002	<0.001	0.0148
MW-10	9/11/12		<0.001	<0.002	<0.001	<0.002
MW-10	10/31/12		<0.001	<0.002	0.00124	0.00457
MW-10	11/27/12		<0.001	<0.002	<0.001	<0.002
MW-10	12/19/12		<0.001	<0.002	<0.001	<0.002
MW-10	1/30/13		<0.001	<0.002	<0.001	<0.002
MW-10	2/22/13		<0.001	<0.002	<0.001	<0.002
MW-10	3/27/13		<0.001	<0.002	<0.001	<0.002
MW-10	4/9/13		<0.001	<0.002	<0.001	<0.002
MW-10	5/23/13		<0.001	<0.002	<0.001	<0.002
MW-10	6/25/13		<0.001	<0.002	<0.001	<0.002
MW-10	7/16/13		<0.001	<0.002	<0.001	<0.002

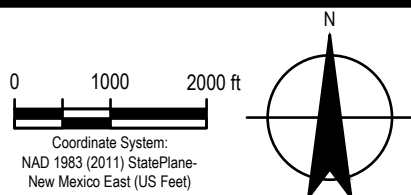
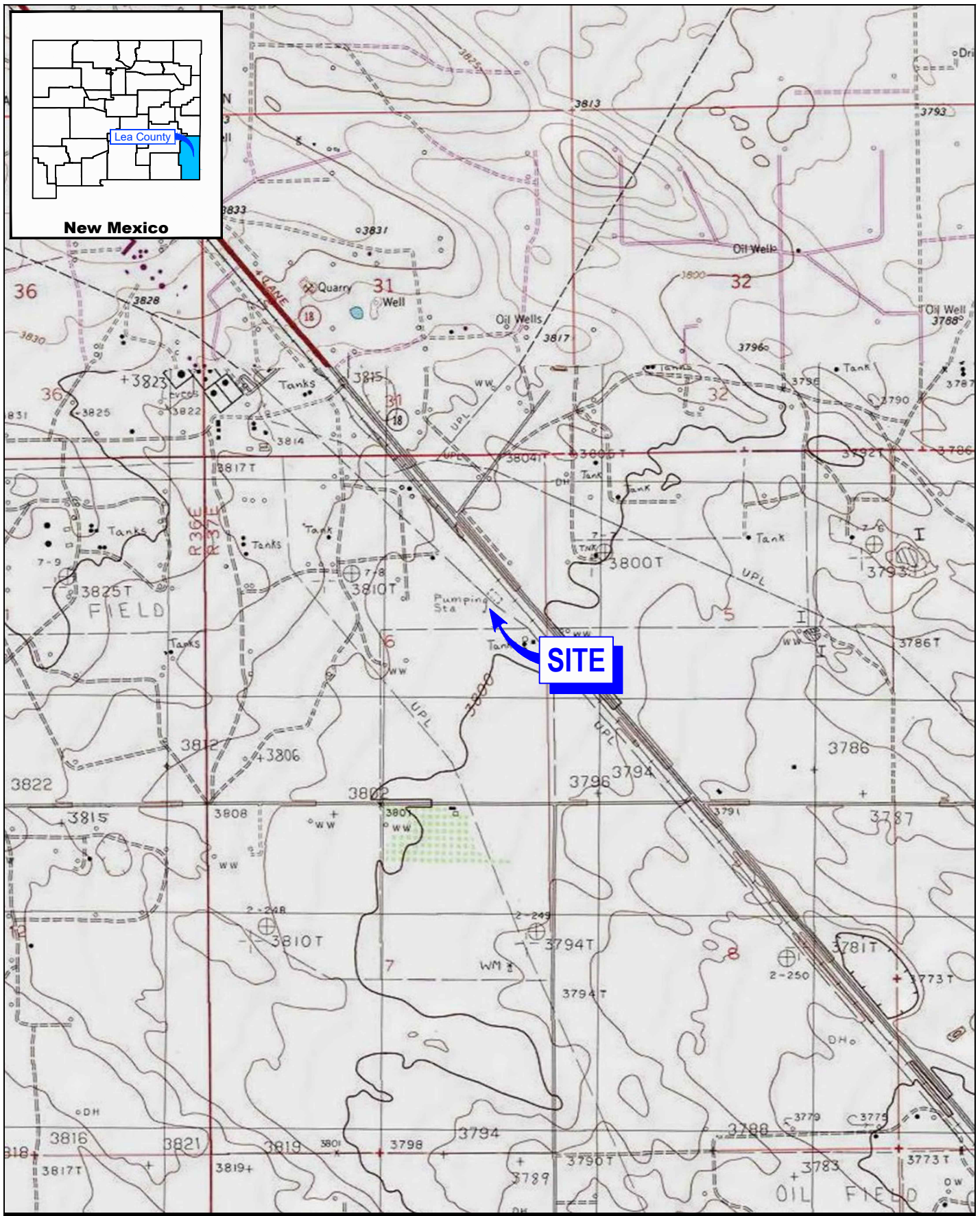
Table 2b

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	Xylenes (total)
New Mexico Water Quality Control Commission (NMWCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-10	8/21/13		-	-	-	-
MW-10	9/19/13		-	-	-	-
MW-10	10/23/13		<0.001	<0.002	<0.001	<0.002
MW-10	2/13/14		<0.001	<0.002	<0.001	<0.002
MW-10	5/9/14		<0.001	<0.002	<0.001	<0.002
MW-10	8/7/14		-	-	-	-
MW-10	11/17/14		<0.001	<0.002	<0.001	<0.002
MW-10	3/18/15		<0.001	<0.002	<0.001	<0.002
MW-10	9/9/15		<0.001	<0.002	<0.001	<0.002
MW-10	11/24/15		<0.001	<0.002	<0.001	<0.002
MW-10	2/18/16		<0.001	<0.002	<0.001	<0.001
MW-10	6/22/16		-	-	-	-
MW-10	9/6/16		<0.002	<0.002	<0.002	<0.002
MW-10	10/11/16		<0.002	<0.002	<0.002	<0.002
MW-10	12/13/16		<0.002	<0.002	<0.002	<0.002
MW-10	4/5/17		-	-	-	-
MW-10	6/21/17		-	-	-	-
MW-10	11/28/17		<0.002	<0.002	<0.002	<0.002
MW-10	2/23/18	DUP	<0.000408	<0.000367	<0.000657	<0.00063
MW-10	2/23/18		<0.000408	<0.000367	<0.000657	<0.00063
MW-10	5/24/18		-	-	-	-
MW-10	11/16/18		-	-	-	-
MW-10	5/21/19		-	-	-	-
MW-10	8/23/19		-	-	-	-
MW-10	10/17/19		-	-	-	-
MW-10	2/20/20		-	-	-	-
MW-10	5/20/20		-	-	-	-
MW-10	9/2/20		-	-	-	-
MW-10	11/5/20		-	-	-	-
MW-11	11/16/18		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	2/19/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	5/22/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	8/23/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	10/18/19		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	2/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	5/21/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	9/3/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-11	11/5/20		<0.00019	<0.000412	<0.00016	<0.00051
MW-12	11/16/18		0.0481	<0.000412	<0.00016	0.00116 J
MW-12	2/19/19		0.0649	<0.000412	<0.00016	0.00144 J
MW-12	5/22/19	DUP	0.0374	<0.000412	<0.00016	0.00351
MW-12	5/22/19		0.0445	<0.000412	<0.00016	0.0035
MW-12	8/23/19		0.309	<0.00206	<0.008	0.00727 J
MW-12	10/18/19	DUP	0.714	<0.000412	<0.00016	0.00535
MW-12	10/18/19		0.869	<0.00206	<0.0008	0.00445 J
MW-12	2/21/20	DUP	0.124	<0.000412	<0.00016	0.000625 J
MW-12	2/21/20		0.931	<0.000412	<0.00016	0.00269 J
MW-12	5/21/20	DUP	0.583	<0.000412	<0.00016	0.00113
MW-12	5/21/20		0.599	<0.000412	<0.00016	0.0016
MW-12	9/3/20		0.336	0.00488 J	<0.00016	0.00609 J
MW-12	11/5/20		1.28	<0.00412	<0.0016	<0.0051

Notes:

- Analytical results are presented in milligrams per liter (mg/L)
- All dates are in the format: MM/DD/YY
- Shaded results indicates results exceeding their respective New Mexico Water Quality Control Commission (NMWCC) Human Health Standards limits
- Bolded results indicate analyte was detected above the laboratory detection limit
- <: Analyte was not detected at or above the laboratory reporting limit
- J: Concentration is less than the quantitation limit and is an estimated value
- : Not Analyzed
- DUP: Duplicate Sample
- Dry: No fluid column measured in corresponding monitoring or recovery well

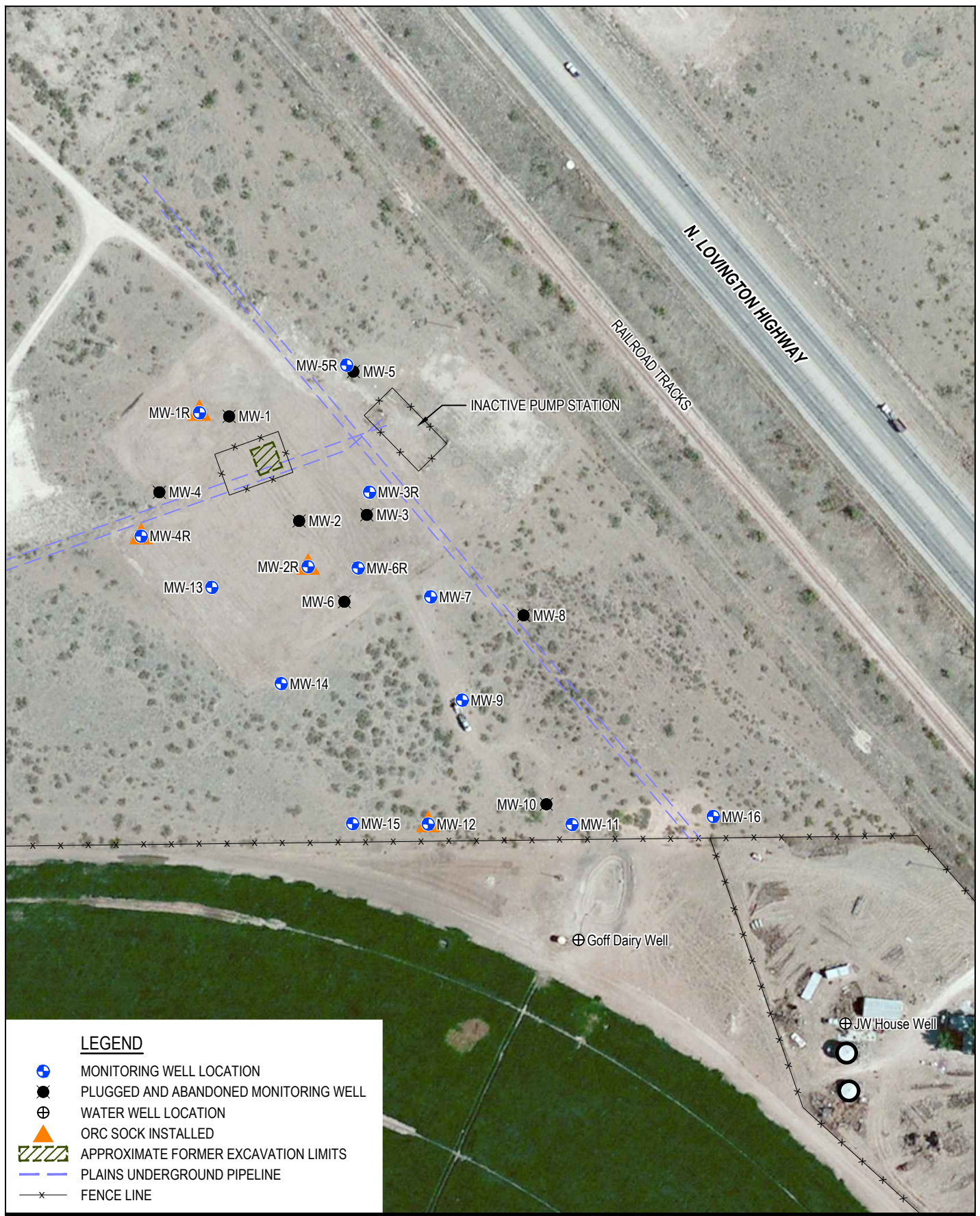


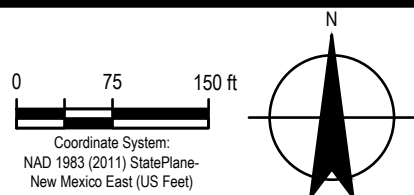
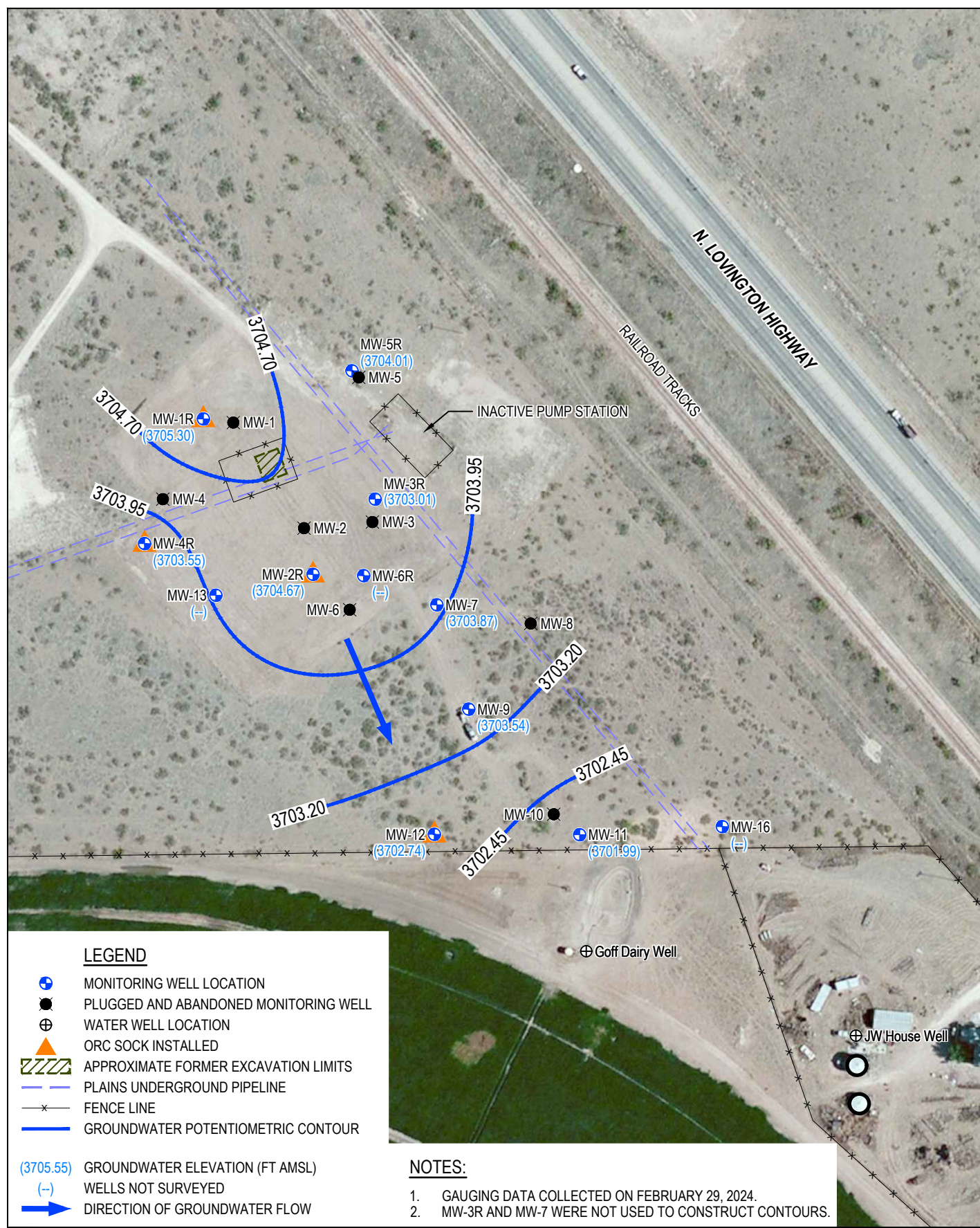
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

Project No. 12604537
Date May 2024

SITE LOCATION MAP

FIGURE 1





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

**POTENTIOMETRIC SURFACE MAP
 (FEBRUARY 2024)**

Project No. 12604537
 Date December 2024

FIGURE 3

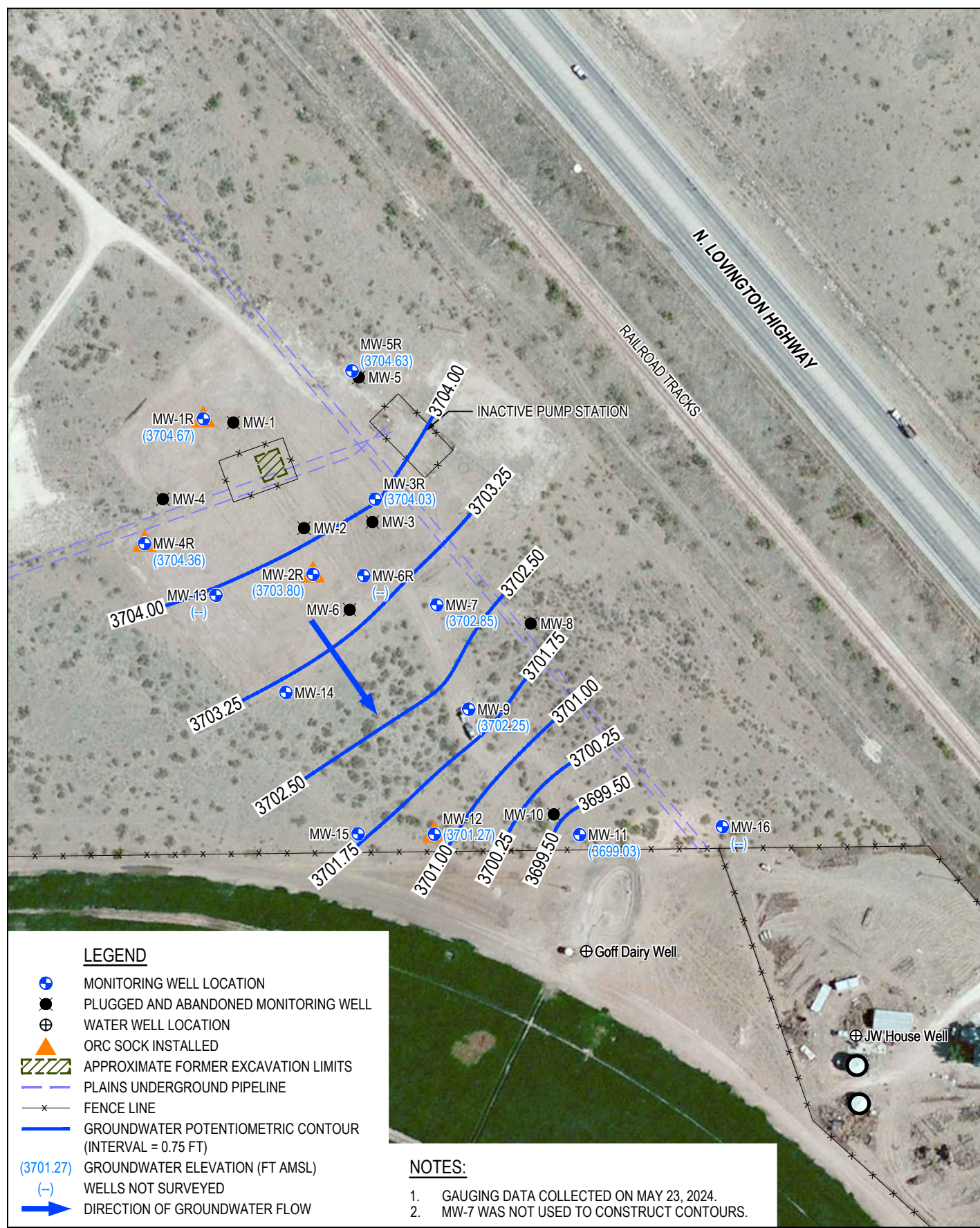


FIGURE 4

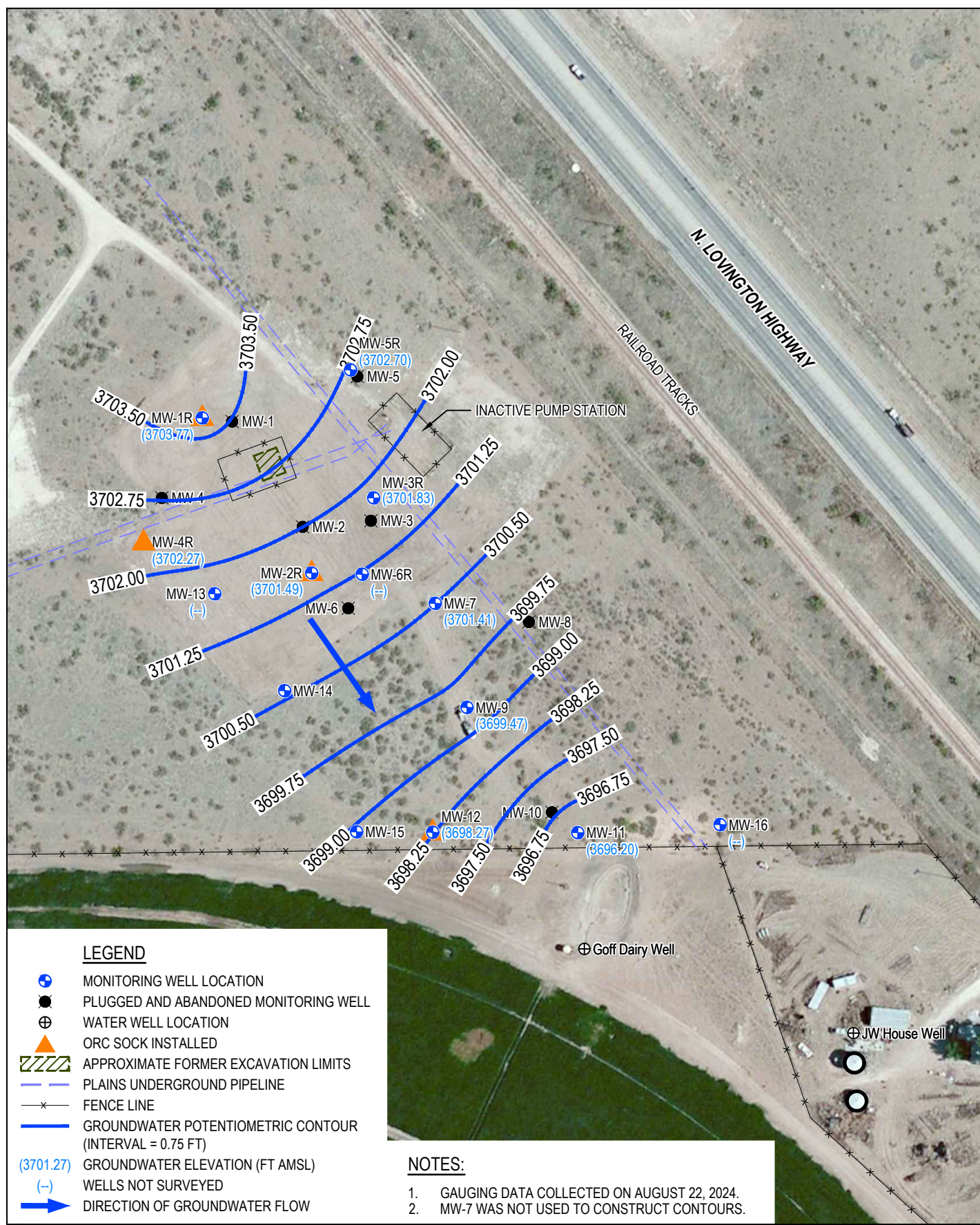
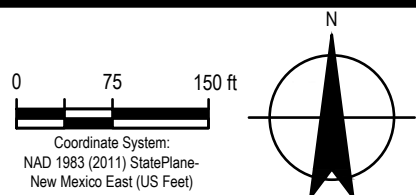
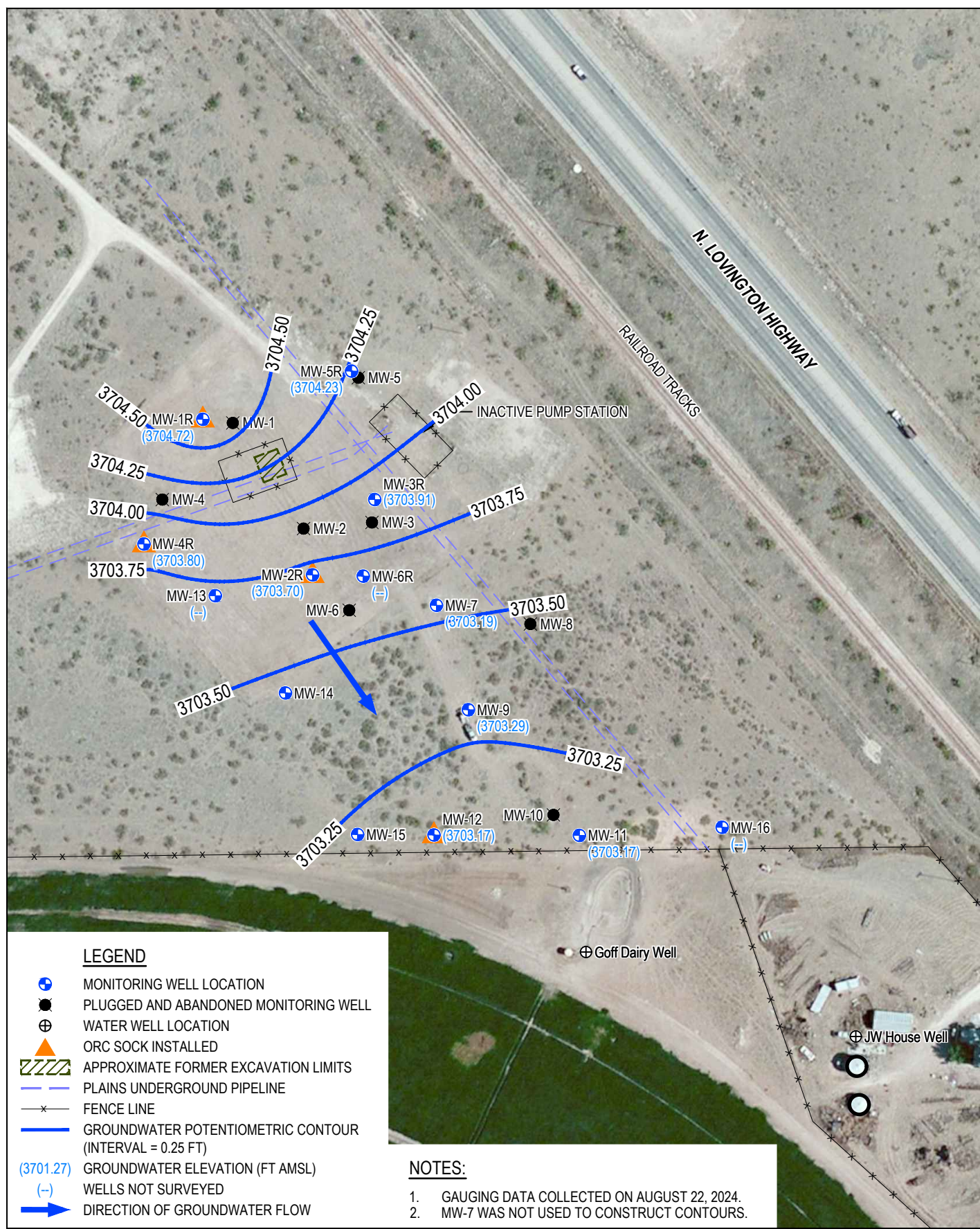


FIGURE 5

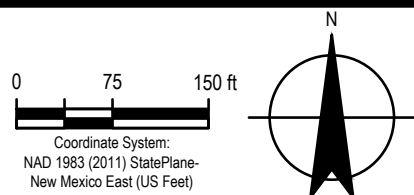
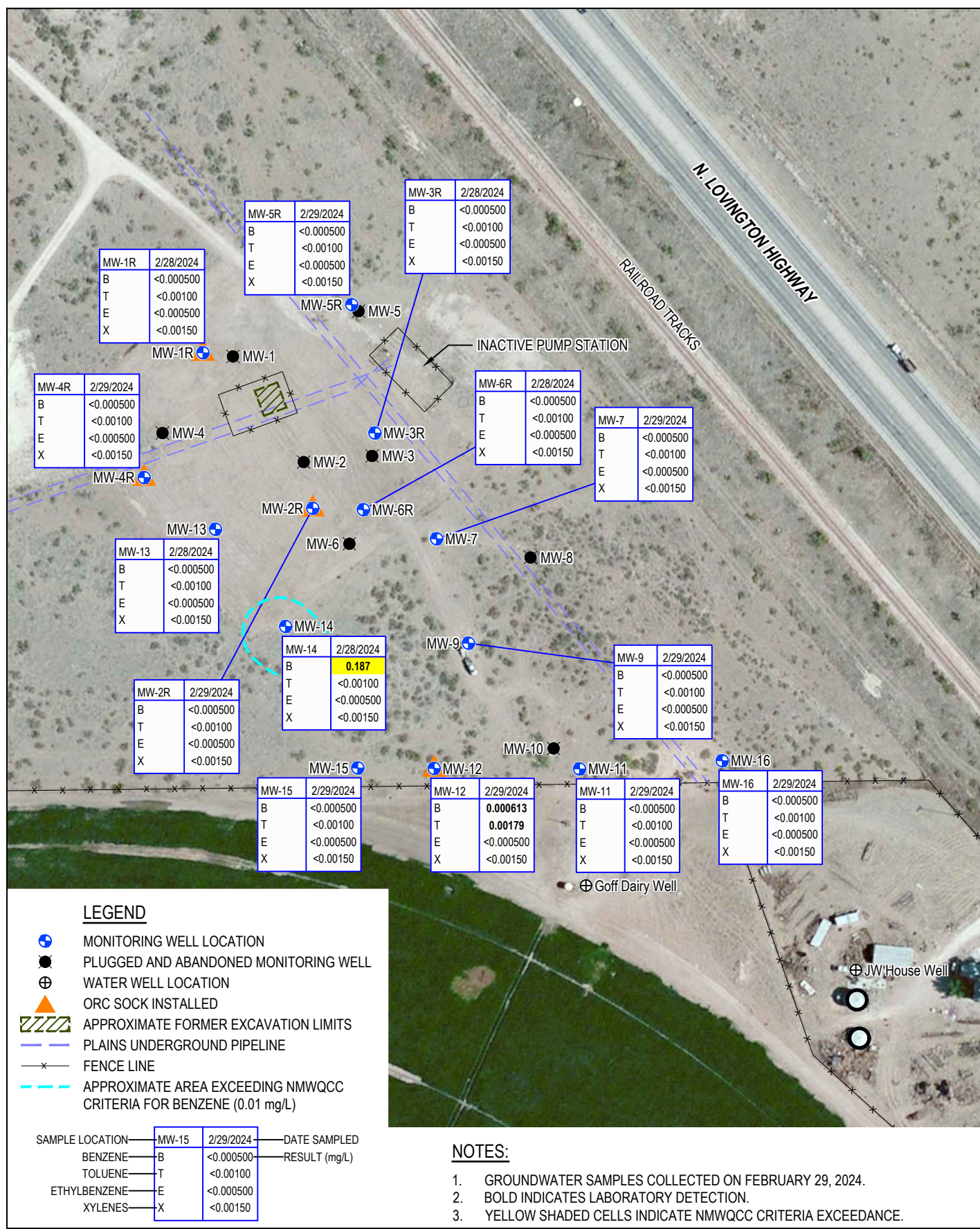


PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

**POTENTIOMETRIC SURFACE MAP
(NOVEMBER 2024)**

Project No. 12604537
Date December 2024

FIGURE 6



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

**COC CONCENTRATIONS IN
GROUNDWATER MAP (FEBRUARY 2024)**

Project No. 12604537
Date May 2024

FIGURE 7

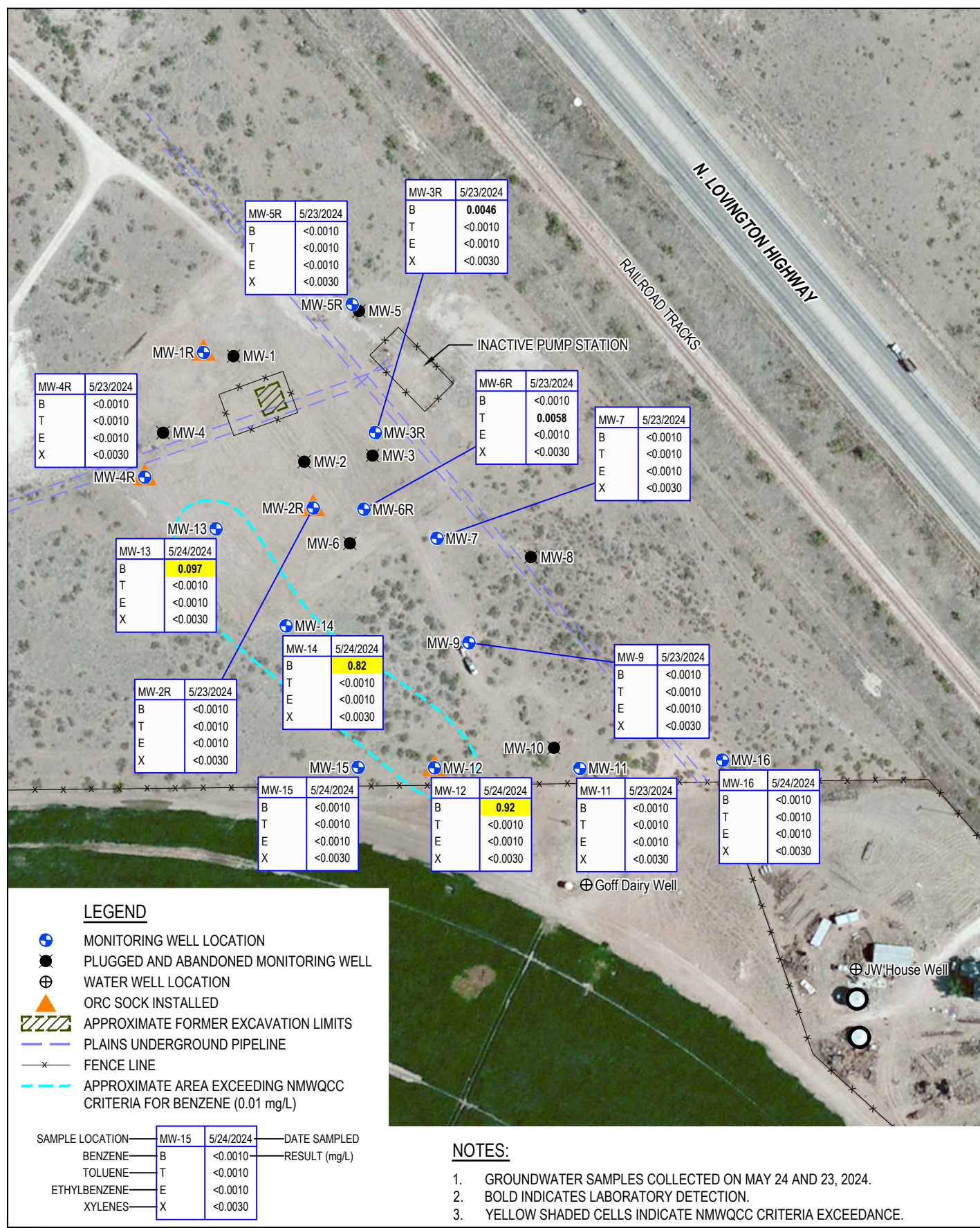
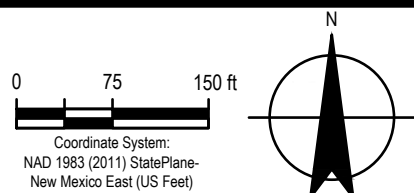


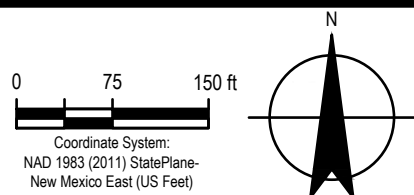
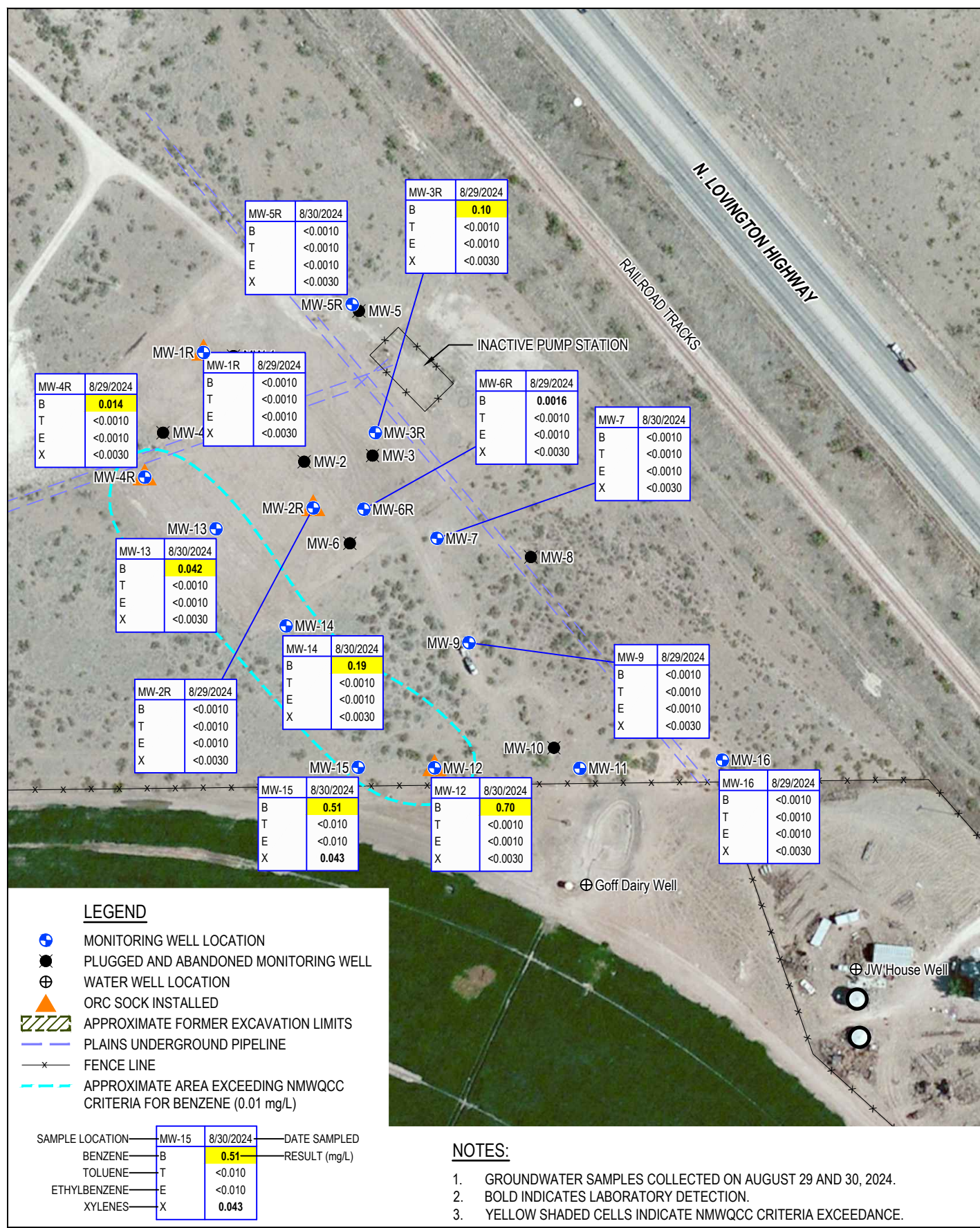
FIGURE 8



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

Project No. 12604537
Date June 2024

COCONCENTRATIONS IN
GROUNDWATER MAP (MAY 2024)

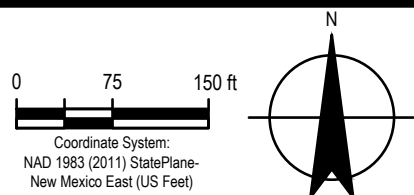
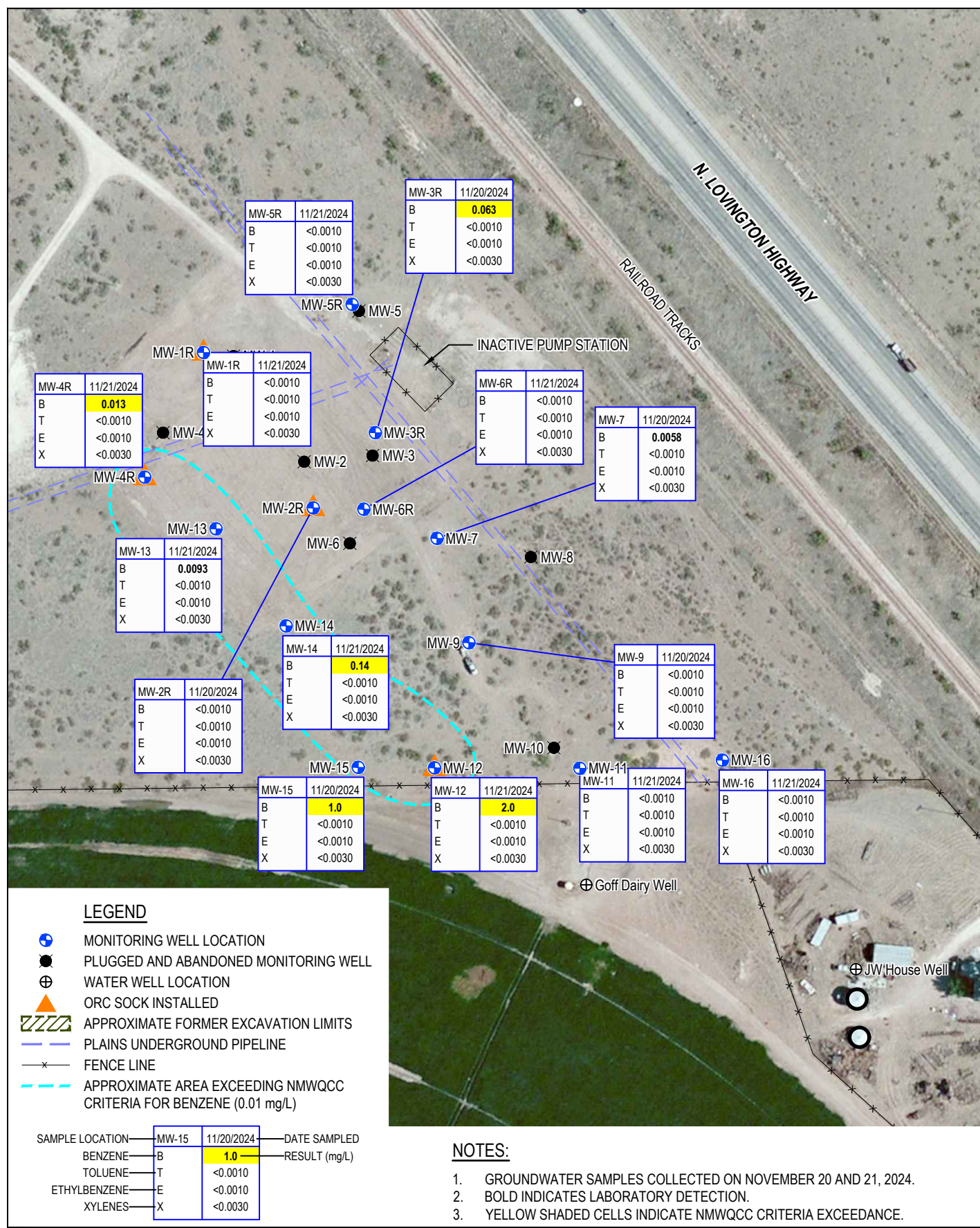


PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
LOVINGTON GATHERING WTI
NMOCD AP-96

**COC CONCENTRATIONS IN
GROUNDWATER MAP (AUGUST 2024)**

Project No. 12604537
Date December 2024

FIGURE 9



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

Project No. 12604537
Date December 2024

COG CONCENTRATIONS IN
GROUNDWATER MAP (NOVEMBER 2024)

FIGURE 10

Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

Revised October 10, 2003

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

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name 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 H	Section 6	Township 17S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County 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 H₂S 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 ft².

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 <i>Camille Reynolds</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:	
Date: 4/26/2006 0066	Phone: 505-441-	Attached ☐

Appendix B

Certified Laboratory Analytical Reports



ANALYTICAL REPORT

March 13, 2024

Plains All American, LP - GHD

Sample Delivery Group: L1711920
Samples Received: 03/05/2024
Project Number: #2006-142
Description: Lovington Gathering WTI
Site: 2023 QUARTERLY GROUNDWATER MON
Report To: Adrianna Copeland
2135 S Loop 250 W
Midland, TX 79703

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Brittnie Boyd".

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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	3 Ss
LG-MW-13-02282024 L1711920-01	6	
LG-MW-14-02282024 L1711920-02	7	4 Cn
LG-MW-1R-02282024 L1711920-03	8	5 Sr
LG-MW-3R-02282024 L1711920-04	9	
LG-MW-6R-02282024 L1711920-05	10	6 Qc
LG-MW-7-02292024 L1711920-06	11	
LG-MW-9-02292024 L1711920-07	12	7 Gl
LG-MW-11-02292024 L1711920-08	13	8 Al
LG-MW-2R-02292024 L1711920-09	14	
LG-MW-4R-02292024 L1711920-10	15	9 Sc
LG-MW-5R-02292024 L1711920-11	16	
LG-MW-12-02292024 L1711920-12	17	
LG-MW-15-02292024 L1711920-13	18	
LG-MW-16-02292024 L1711920-14	19	
LG-DUP1-02292024 L1711920-15	20	
LG-DUP2-02292024 L1711920-16	21	
Qc: Quality Control Summary	22	
Volatile Organic Compounds (GC) by Method 8021B	22	
Gl: Glossary of Terms	25	
Al: Accreditations & Locations	26	
Sc: Sample Chain of Custody	27	

LG-MW-13-02282024 L1711920-01 GW

Collected by Hector Orosco
Collected date/time 02/28/24 12:30
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 03:38	03/07/24 03:38	SB	Mt. Juliet, TN

¹Cp

²Tc

³Ss

LG-MW-14-02282024 L1711920-02 GW

Collected by Hector Orosco
Collected date/time 02/28/24 13:00
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 04:00	03/07/24 04:00	SB	Mt. Juliet, TN

⁴Cn

⁵Sr

LG-MW-1R-02282024 L1711920-03 GW

Collected by Hector Orosco
Collected date/time 02/28/24 10:50
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 04:23	03/07/24 04:23	SB	Mt. Juliet, TN

⁶Qc

⁷Gl

LG-MW-3R-02282024 L1711920-04 GW

Collected by Hector Orosco
Collected date/time 02/28/24 11:15
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 04:46	03/07/24 04:46	SB	Mt. Juliet, TN

⁸Al

⁹Sc

LG-MW-6R-02282024 L1711920-05 GW

Collected by Hector Orosco
Collected date/time 02/28/24 11:30
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 05:08	03/07/24 05:08	SB	Mt. Juliet, TN

LG-MW-7-02292024 L1711920-06 GW

Collected by Hector Orosco
Collected date/time 02/29/24 10:20
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 05:31	03/07/24 05:31	SB	Mt. Juliet, TN

LG-MW-9-02292024 L1711920-07 GW

Collected by Hector Orosco
Collected date/time 02/29/24 10:40
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 05:54	03/07/24 05:54	SB	Mt. Juliet, TN

LG-MW-11-02292024 L1711920-08 GW

Collected by Hector Orosco
Collected date/time 02/29/24 10:15
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 06:17	03/07/24 06:17	SB	Mt. Juliet, TN

LG-MW-2R-02292024 L1711920-09 GW

Collected by Hector Orosco
Collected date/time 02/29/24 10:00
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 06:39	03/07/24 06:39	SB	Mt. Juliet, TN

1
Cp

2
Tc

3
Ss

LG-MW-4R-02292024 L1711920-10 GW

Collected by Hector Orosco
Collected date/time 02/29/24 09:10
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 07:02	03/07/24 07:02	SB	Mt. Juliet, TN

4
Cn

5
Sr

LG-MW-5R-02292024 L1711920-11 GW

Collected by Hector Orosco
Collected date/time 02/29/24 09:30
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241349	1	03/07/24 07:24	03/07/24 07:24	SB	Mt. Juliet, TN

6
Qc

7
Gl

LG-MW-12-02292024 L1711920-12 GW

Collected by Hector Orosco
Collected date/time 02/29/24 09:40
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2244879	1	03/12/24 15:56	03/12/24 15:56	DWR	Mt. Juliet, TN

8
Al

9
Sc

LG-MW-15-02292024 L1711920-13 GW

Collected by Hector Orosco
Collected date/time 02/29/24 09:00
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241590	1	03/07/24 12:54	03/07/24 12:54	JAH	Mt. Juliet, TN

LG-MW-16-02292024 L1711920-14 GW

Collected by Hector Orosco
Collected date/time 02/29/24 10:50
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241590	1	03/07/24 13:16	03/07/24 13:16	JAH	Mt. Juliet, TN

LG-DUP1-02292024 L1711920-15 GW

Collected by Hector Orosco
Collected date/time 02/29/24 00:00
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241590	1	03/07/24 13:39	03/07/24 13:39	JAH	Mt. Juliet, TN

LG-DUP2-02292024 L1711920-16 GW

Collected by Hector Orosco
Collected date/time 02/29/24 00:00
Received date/time 03/05/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2241590	1	03/07/24 14:02	03/07/24 14:02	JAH	Mt. Juliet, TN

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



Brittanie L Boyd
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1711920-16	LG-DUP2-02292024	8021B

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 03:38	WG2241349
Toluene	ND		0.00100	1	03/07/2024 03:38	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 03:38	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 03:38	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.0		79.0-125		03/07/2024 03:38	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.187		0.000500	1	03/07/2024 04:00	WG2241349
Toluene	ND		0.00100	1	03/07/2024 04:00	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 04:00	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 04:00	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.1		79.0-125		03/07/2024 04:00	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 02/28/24 10:50

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	03/07/2024 04:23	WG2241349
Toluene	ND		0.00100	1	03/07/2024 04:23	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 04:23	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 04:23	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.0		79.0-125		03/07/2024 04:23	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 04:46	WG2241349
Toluene	ND		0.00100	1	03/07/2024 04:46	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 04:46	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 04:46	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.1		79.0-125		03/07/2024 04:46	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 05:08	WG2241349
Toluene	ND		0.00100	1	03/07/2024 05:08	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 05:08	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 05:08	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.1		79.0-125		03/07/2024 05:08	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 05:31	WG2241349
Toluene	ND		0.00100	1	03/07/2024 05:31	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 05:31	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 05:31	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.0		79.0-125		03/07/2024 05:31	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 05:54	WG2241349
Toluene	ND		0.00100	1	03/07/2024 05:54	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 05:54	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 05:54	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	91.5		79.0-125		03/07/2024 05:54	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 06:17	WG2241349
Toluene	ND		0.00100	1	03/07/2024 06:17	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 06:17	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 06:17	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.3		79.0-125		03/07/2024 06:17	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 06:39	WG2241349
Toluene	ND		0.00100	1	03/07/2024 06:39	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 06:39	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 06:39	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.1		79.0-125		03/07/2024 06:39	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 07:02	WG2241349
Toluene	ND		0.00100	1	03/07/2024 07:02	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 07:02	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 07:02	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	91.8		79.0-125		03/07/2024 07:02	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 02/29/24 09:30

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	03/07/2024 07:24	WG2241349
Toluene	ND		0.00100	1	03/07/2024 07:24	WG2241349
Ethylbenzene	ND		0.000500	1	03/07/2024 07:24	WG2241349
Total Xylene	ND		0.00150	1	03/07/2024 07:24	WG2241349
(S) a,a,a-Trifluorotoluene(PID)	92.0		79.0-125		03/07/2024 07:24	WG2241349

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000613		0.000500	1	03/12/2024 15:56	WG2244879
Toluene	0.00179		0.00100	1	03/12/2024 15:56	WG2244879
Ethylbenzene	ND		0.000500	1	03/12/2024 15:56	WG2244879
Total Xylene	ND		0.00150	1	03/12/2024 15:56	WG2244879
(S) a,a,a-Trifluorotoluene(PID)	96.8		79.0-125		03/12/2024 15:56	WG2244879

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 12:54	WG2241590
Toluene	ND		0.00100	1	03/07/2024 12:54	WG2241590
Ethylbenzene	ND		0.000500	1	03/07/2024 12:54	WG2241590
Total Xylene	ND		0.00150	1	03/07/2024 12:54	WG2241590
(S) a,a,a-Trifluorotoluene(PID)	92.3		79.0-125		03/07/2024 12:54	WG2241590

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 02/29/24 10:50

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	03/07/2024 13:16	WG2241590
Toluene	ND		0.00100	1	03/07/2024 13:16	WG2241590
Ethylbenzene	ND		0.000500	1	03/07/2024 13:16	WG2241590
Total Xylene	ND		0.00150	1	03/07/2024 13:16	WG2241590
(S) a,a,a-Trifluorotoluene(PID)	92.2		79.0-125		03/07/2024 13:16	WG2241590

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 13:39	WG2241590
Toluene	ND		0.00100	1	03/07/2024 13:39	WG2241590
Ethylbenzene	ND		0.000500	1	03/07/2024 13:39	WG2241590
Total Xylene	ND		0.00150	1	03/07/2024 13:39	WG2241590
(S) a,a,a-Trifluorotoluene(PID)	92.0		79.0-125		03/07/2024 13:39	WG2241590

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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	03/07/2024 14:02	WG2241590
Toluene	ND		0.00100	1	03/07/2024 14:02	WG2241590
Ethylbenzene	ND		0.000500	1	03/07/2024 14:02	WG2241590
Total Xylene	ND		0.00150	1	03/07/2024 14:02	WG2241590
(S) a,a,a-Trifluorotoluene(PID)	92.2		79.0-125		03/07/2024 14:02	WG2241590

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B [L1711920-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R4042843-2 03/06/24 23:33

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)	92.3			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4042843-1 03/06/24 22:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0513	103	77.0-122	
Toluene	0.0500	0.0472	94.4	80.0-121	
Ethylbenzene	0.0500	0.0536	107	80.0-123	
Total Xylene	0.150	0.150	100	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			90.7	79.0-125	

Method Blank (MB)

(MB) R4044087-2 03/07/24 12:31

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)	93.3			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4044087-1 03/07/24 10:58

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0492	98.4	77.0-122	
Toluene	0.0500	0.0450	90.0	80.0-121	
Ethylbenzene	0.0500	0.0506	101	80.0-123	
Total Xylene	0.150	0.142	94.7	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			88.6	79.0-125	

Volatile Organic Compounds (GC) by Method 8021B [L1711920-12](#)

Method Blank (MB)

(MB) R4044619-4 03/12/24 13:41

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)	94.0			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R4044619-3 03/12/24 11:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0496	99.2	77.0-122	
Toluene	0.0500	0.0481	96.2	80.0-121	
Ethylbenzene	0.0500	0.0532	106	80.0-123	
Total Xylene	0.150	0.149	99.3	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			99.2	79.0-125	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

MDL	Method Detection Limit.
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.

QualifierDescription

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Plains All American, LP - GHD

Accounts Payable
1106 Griffith Dr.
Midland, TX 79706

Pres
Chk

2135 S Loop 250 W
Midland, TX 79703

Report to:
Adrianna Copeland

Email To:
adrianna.copeland@ghd.com; Simon.Kozik@ghd.com

Project Description:
Lovington Gathering WTI

City/State
Collected: Lea County NM

Please Circle.
PT MT CT ET

Phone: 281-615-3420

Client Project #
#2006-142

Lab Project #
PLAINSGHD-SRS2006142

Collected by (print):
Hector Orozco

Site/Facility ID #
2023 QUARTERLY

P.O. #

Collected by (signature):
Hector Orozco

Rush? (Lab MUST Be Notified)

Quote #

Same Day ☒ Five Day
Next Day ☐ 5 Day (Rad Only)
Two Day ☐ 10 Day (Rad Only)
Three Day ☐

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LG-MW-13-02282024		GW		2-28-24	1230	3
LG-MW-14-02282024		GW		2-28-24	1300	3
LG-MW-1R-02282024		GW		2-28-24	1050	3
LG-MW-3R-02282024		GW		2-28-24	1115	3
LG-MW-6R-02282024		GW		2-28-24	1130	3
LG-MW-7-02292024		GW		2-29-24	1020	3
LG-MW-9-02292024				2-29-24	1040	3
LG-MW-11-02292024				2-29-24	1015	3
LG-MW-2R-02292024				2-29-24	1000	3
LG-MW-4R-02292024				2-29-24	0910	3

* Matrix:

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

Remarks:

Samples returned via:

UPS ☐ FedEx ☐ Courier ☐

Tracking # 7210 2108 5233

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes / No

HO / MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 21.0 = 2.1

Bottles Received: 48

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:

NCF / OK

Sample Receipt Checklist

COC Seal Present/Intact: ☒ 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

If preservation required by Login: Date/Time

SDG #

B081

Acctnum: PLAINSGHD

Template: T224613

Prelogin: P1050435

PM: 829 - Brittne L Boyd

PB:

Shipped Via:

Remarks

Sample # (lab only)

-01
-02
-03
-04
-05
-06
-07
-08
-09
-10

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703Report to:
Adrianna CopelandProject Description:
Lovington Gathering WTI

Phone: 281-615-3420

Collected by (print):
Hector OrozcoCollected by (signature):
Hector OrozcoImmediately
Packed on Ice N ☐ Y ☒

Billing Information:

Accounts Payable
1106 Griffith Dr.
Midland, TX 79706Email To:
adrianna.copeland@ghd.com; Simon.Kozik@ghd.comCity/State
Collected: Lea County NMPlease Circle:
PT MT CT ETClient Project #
#2006-142Lab Project #
PLAINSGHD-SRS2006142Site/Facility ID #
2023 QUARTERLY

P.O. #

Rush? (Lab MUST Be Notified)

☐ Same Day ☒ Five Day
☐ Next Day ☐ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
LG-MW-SR-02292024		GW		2-29-24	0930	3
LG-MW-12-02292024		GW		2-29-24	0940	3
LG-MW-15-02292024		GW		2-29-24	0900	3
LG-MW-16-02292024		GW		2-29-24	1050	3
		GW				
LG-DUP1-02292024		GW		2-29-24		3
LG-DUP2-02292024		GW		2-29-24		3
		GW				
Trip Blank		GW				1
		GW				

* Matrix:

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

Remarks:

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking # 7210 2108 5233

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Trip Blank Received: Yes/ No

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 21.0°C

Bottles Received: 48

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date:

Time:

Hold:

Condition:
NCF / OK

Analysis / Container / Preservative

Pres
Chk

BTEX 40ml/Amb+HCl

Chain of Custody Page 94 of 226



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 #

Table #

Acctnum: PLAINSGHD

Template: T224613

Prelogin: P1050435

PM: 829 - Brittne L Boyd

PB:

Shipped Via:

Remarks

Sample # (lab only)

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

If preservation required by Login: Date/Time



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 17, 2024

Chris Knight
GHD
11451 Katy Fwy
Suite 400
Houston, TX 77079

Work Order: **HS24051607**

Laboratory Results for: **Lovington Gathering WTI SRS 2006-142**

Dear Chris Knight,

ALS Environmental received 18 sample(s) on May 25, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: LUIS.AGUILAR

Luis.Aguilar

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Work Order: HS24051607

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24051607-01	MW-3R-05232024	Groundwater		23-May-2024 08:55	25-May-2024 09:20	☐
HS24051607-02	MW-6R-05232024	Groundwater		23-May-2024 11:00	25-May-2024 09:20	☐
HS24051607-03	MW-7-05232024	Groundwater		23-May-2024 13:00	25-May-2024 09:20	☐
HS24051607-04	MW-9-05232024	Groundwater		23-May-2024 09:55	25-May-2024 09:20	☐
HS24051607-05	MW-11-05232024	Groundwater		23-May-2024 14:10	25-May-2024 09:20	☐
HS24051607-06	MW-2R-05232024	Groundwater		23-May-2024 09:25	25-May-2024 09:20	☐
HS24051607-07	MW-4R-05232024	Groundwater		23-May-2024 15:30	25-May-2024 09:20	☐
HS24051607-08	MW-5R-05232024	Groundwater		23-May-2024 16:55	25-May-2024 09:20	☐
HS24051607-09	MW-12-05242024	Groundwater		24-May-2024 09:30	25-May-2024 09:20	☐
HS24051607-10	MW-13-05242024	Groundwater		24-May-2024 10:30	25-May-2024 09:20	☐
HS24051607-11	MW-14-05242024	Groundwater		24-May-2024 10:55	25-May-2024 09:20	☐
HS24051607-12	MW-15-05242024	Groundwater		24-May-2024 11:25	25-May-2024 09:20	☐
HS24051607-13	MW-16-05242024	Groundwater		24-May-2024 12:10	25-May-2024 09:20	☐
HS24051607-14	Goff Dairy Well-05232024	Groundwater		23-May-2024 15:00	25-May-2024 09:20	☐
HS24051607-15	Goff Ctr Pivot Well-05232024	Groundwater		23-May-2024 15:08	25-May-2024 09:20	☐
HS24051607-16	Lovington Dup-01-05242024	Groundwater		24-May-2024 00:00	25-May-2024 09:20	☐
HS24051607-17	Lovington Dup-02-05242024	Groundwater		24-May-2024 00:00	25-May-2024 09:20	☐
HS24051607-18	Trip Blank - CG-010124-630	Water		23-May-2024 00:00	25-May-2024 09:20	☒

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Work Order: HS24051607

CASE NARRATIVE

GC Semivolatiles by Method RSK-175**Batch ID: R468583,R468688,R468583,R468688**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260**Batch ID: R467863,R467863,R467878,R468699,R467878,R468699**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method SW6020A**Batch ID: 213227**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Sample ID: MW-7-05232024 (HS24051607-03MS)

- Silver failed for MS and/or MSD but passed on PDS

Batch ID: 212781**Sample ID: HS24051580-01MS**

- MS and MSD are for an unrelated sample

Sample ID: HS24051580-01MSD

- MSD is for an unrelated sample

Sample ID: HS24051580-01PDS

- PDS is for an unrelated sample

Sample ID: HS24051580-01SD

- SD is for an unrelated sample (Manganese) (Manganese)

- SD is for an unrelated sample (Manganese)

WetChemistry by Method E410.4**Batch ID: R468998,R468998**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Work Order: HS24051607

CASE NARRATIVE

WetChemistry by Method E300

Batch ID: R467705

Sample ID: HS24051403-06MS

- MS and MSD are for an unrelated sample (Sulfate)

Sample ID: MW-6R-05232024 (HS24051607-02)

- Sample was analyzed outside of the holding time at the request of the client. Results should be considered estimated.

ALS Houston, US

Date: 17-Jun-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: MW-3R-05232024

Collection Date: 23-May-2024 08:55

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-01

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	0.0046		0.0010	mg/L	1	29-May-2024 01:20
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:20
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:20
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 01:20
Surr: 1,2-Dichloroethane-d4	85.4		70-126	%REC	1	29-May-2024 01:20
Surr: 4-Bromofluorobenzene	93.4		77-113	%REC	1	29-May-2024 01:20
Surr: Dibromofluoromethane	90.3		77-123	%REC	1	29-May-2024 01:20
Surr: Toluene-d8	100		82-127	%REC	1	29-May-2024 01:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-6R-05232024
 Collection Date: 23-May-2024 11:00

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-02
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:42
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:42
Toluene	0.0058		0.0010	mg/L	1	29-May-2024 01:42
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 01:42
Surr: 1,2-Dichloroethane-d4	86.1		70-126	%REC	1	29-May-2024 01:42
Surr: 4-Bromofluorobenzene	93.0		77-113	%REC	1	29-May-2024 01:42
Surr: Dibromofluoromethane	90.4		77-123	%REC	1	29-May-2024 01:42
Surr: Toluene-d8	99.5		82-127	%REC	1	29-May-2024 01:42
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00182		0.000500	mg/L	1	05-Jun-2024 16:56
Ethane	< 0.00100		0.00100	mg/L	1	05-Jun-2024 16:56
Ethene	< 0.00100		0.00100	mg/L	1	05-Jun-2024 16:56
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.0801		0.00500	mg/L	1	07-Jun-2024 17:53
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:09
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	2.44	H	0.100	mg/L	1	25-May-2024 13:49
Sulfate	96.1		0.500	mg/L	1	25-May-2024 13:49
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	16.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-7-05232024
 Collection Date: 23-May-2024 13:00

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-03
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:04
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:04
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:04
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 02:04
Surr: 1,2-Dichloroethane-d4	88.2		70-126	%REC	1	29-May-2024 02:04
Surr: 4-Bromofluorobenzene	91.1		77-113	%REC	1	29-May-2024 02:04
Surr: Dibromofluoromethane	91.9		77-123	%REC	1	29-May-2024 02:04
Surr: Toluene-d8	97.2		82-127	%REC	1	29-May-2024 02:04
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.000636		0.000500	mg/L	1	05-Jun-2024 17:06
Ethane	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:06
Ethene	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:06
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	< 0.00500		0.00500	mg/L	1	07-Jun-2024 18:02
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 15:48
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	2.86		0.100	mg/L	1	25-May-2024 12:38
Sulfate	87.8		0.500	mg/L	1	25-May-2024 12:38
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	25.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-9-05232024

Collection Date:23-May-2024 09:55

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-04

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:26
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:26
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:26
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 02:26
Surr: 1,2-Dichloroethane-d4	86.4		70-126	%REC	1	29-May-2024 02:26
Surr: 4-Bromofluorobenzene	90.0		77-113	%REC	1	29-May-2024 02:26
Surr: Dibromofluoromethane	90.1		77-123	%REC	1	29-May-2024 02:26
Surr: Toluene-d8	95.1		82-127	%REC	1	29-May-2024 02:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-11-05232024
 Collection Date: 23-May-2024 14:10

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-05
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:48
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:48
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:48
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 02:48
Surr: 1,2-Dichloroethane-d4	87.8		70-126	%REC	1	29-May-2024 02:48
Surr: 4-Bromofluorobenzene	92.2		77-113	%REC	1	29-May-2024 02:48
Surr: Dibromofluoromethane	91.3		77-123	%REC	1	29-May-2024 02:48
Surr: Toluene-d8	97.5		82-127	%REC	1	29-May-2024 02:48
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.000587		0.000500	mg/L	1	05-Jun-2024 17:23
Ethane	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:23
Ethene	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:23
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.00669		0.00500	mg/L	1	07-Jun-2024 18:05
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:11
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	8.25		0.100	mg/L	1	25-May-2024 12:44
Sulfate	96.3		0.500	mg/L	1	25-May-2024 12:44
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client:	GHD	ANALYTICAL REPORT
Project:	Lovington Gathering WTI SRS 2006-142	WorkOrder:HS24051607
Sample ID:	MW-2R-05232024	Lab ID:HS24051607-06
Collection Date:	23-May-2024 09:25	Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: AKP
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:10
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:10
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:10
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 03:10
Surr: 1,2-Dichloroethane-d4	89.3		70-126	%REC	1	29-May-2024 03:10
Surr: 4-Bromofluorobenzene	93.7		77-113	%REC	1	29-May-2024 03:10
Surr: Dibromofluoromethane	91.9		77-123	%REC	1	29-May-2024 03:10
Surr: Toluene-d8	96.6		82-127	%REC	1	29-May-2024 03:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-4R-05232024
 Collection Date: 23-May-2024 15:30

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-07
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:32
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:32
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:32
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 03:32
Surr: 1,2-Dichloroethane-d4	90.9		70-126	%REC	1	29-May-2024 03:32
Surr: 4-Bromofluorobenzene	94.6		77-113	%REC	1	29-May-2024 03:32
Surr: Dibromofluoromethane	91.7		77-123	%REC	1	29-May-2024 03:32
Surr: Toluene-d8	97.6		82-127	%REC	1	29-May-2024 03:32
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0168		0.000500	mg/L	1	05-Jun-2024 17:33
Ethane	0.0116		0.00100	mg/L	1	05-Jun-2024 17:33
Ethene	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:33
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.441		0.00500	mg/L	1	07-Jun-2024 18:07
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:13
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.130		0.100	mg/L	1	25-May-2024 12:50
Sulfate	67.5		0.500	mg/L	1	25-May-2024 12:50
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	16.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-5R-05232024
 Collection Date: 23-May-2024 16:55

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-08
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:54
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:54
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 03:54
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 03:54
Surr: 1,2-Dichloroethane-d4	89.2		70-126	%REC	1	29-May-2024 03:54
Surr: 4-Bromofluorobenzene	90.6		77-113	%REC	1	29-May-2024 03:54
Surr: Dibromofluoromethane	90.9		77-123	%REC	1	29-May-2024 03:54
Surr: Toluene-d8	96.0		82-127	%REC	1	29-May-2024 03:54
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00130		0.000500	mg/L	1	05-Jun-2024 17:48
Ethane	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:48
Ethene	< 0.00100		0.00100	mg/L	1	05-Jun-2024 17:48
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024 Analyst: JC		
Manganese	0.264		0.00500	mg/L	1	07-Jun-2024 18:10
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:15
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	3.91		0.100	mg/L	1	25-May-2024 12:56
Sulfate	85.9		0.500	mg/L	1	25-May-2024 12:56
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-12-05242024
 Collection Date: 24-May-2024 09:30

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-09
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	0.92		0.025	mg/L	25	06-Jun-2024 16:50
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 04:17
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 04:17
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 04:17
Surr: 1,2-Dichloroethane-d4	85.3		70-126	%REC	1	29-May-2024 04:17
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	25	06-Jun-2024 16:50
Surr: 4-Bromofluorobenzene	94.2		77-113	%REC	1	29-May-2024 04:17
Surr: 4-Bromofluorobenzene	94.9		77-113	%REC	25	06-Jun-2024 16:50
Surr: Dibromofluoromethane	88.7		77-123	%REC	1	29-May-2024 04:17
Surr: Dibromofluoromethane	101		77-123	%REC	25	06-Jun-2024 16:50
Surr: Toluene-d8	96.4		82-127	%REC	1	29-May-2024 04:17
Surr: Toluene-d8	97.7		82-127	%REC	25	06-Jun-2024 16:50
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0142		0.000500	mg/L	1	06-Jun-2024 14:08
Ethane	0.00651		0.00100	mg/L	1	06-Jun-2024 14:08
Ethene	0.00115		0.00100	mg/L	1	06-Jun-2024 14:08
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024 Analyst: JC		
Manganese	0.0241		0.00500	mg/L	1	07-Jun-2024 18:12
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024 Analyst: MSC		
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:17
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.120		0.100	mg/L	1	25-May-2024 13:02
Sulfate	72.0		0.500	mg/L	1	25-May-2024 13:02
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-13-05242024
 Collection Date: 24-May-2024 10:30

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-10
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	0.097		0.0010	mg/L	1	29-May-2024 04:39
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 04:39
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 04:39
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 04:39
Surr: 1,2-Dichloroethane-d4	91.4		70-126	%REC	1	29-May-2024 04:39
Surr: 4-Bromofluorobenzene	95.3		77-113	%REC	1	29-May-2024 04:39
Surr: Dibromofluoromethane	91.3		77-123	%REC	1	29-May-2024 04:39
Surr: Toluene-d8	96.2		82-127	%REC	1	29-May-2024 04:39
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0154		0.000500	mg/L	1	06-Jun-2024 14:19
Ethane	0.00508		0.00100	mg/L	1	06-Jun-2024 14:19
Ethene	< 0.00100		0.00100	mg/L	1	06-Jun-2024 14:19
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.0778		0.00500	mg/L	1	07-Jun-2024 18:15
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:19
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.270		0.100	mg/L	1	25-May-2024 13:08
Sulfate	61.4		0.500	mg/L	1	25-May-2024 13:08
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: MW-14-05242024

Collection Date: 24-May-2024 10:55

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-11

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	0.82		0.010	mg/L	10	06-Jun-2024 17:14
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 05:01
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 05:01
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 05:01
Surr: 1,2-Dichloroethane-d4	93.0		70-126	%REC	1	29-May-2024 05:01
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	10	06-Jun-2024 17:14
Surr: 4-Bromofluorobenzene	95.5		77-113	%REC	1	29-May-2024 05:01
Surr: 4-Bromofluorobenzene	95.9		77-113	%REC	10	06-Jun-2024 17:14
Surr: Dibromofluoromethane	93.5		77-123	%REC	1	29-May-2024 05:01
Surr: Dibromofluoromethane	103		77-123	%REC	10	06-Jun-2024 17:14
Surr: Toluene-d8	95.8		82-127	%REC	1	29-May-2024 05:01
Surr: Toluene-d8	95.7		82-127	%REC	10	06-Jun-2024 17:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-15-05242024
 Collection Date: 24-May-2024 11:25

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-12
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 05:23
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 05:23
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 05:23
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 05:23
Surr: 1,2-Dichloroethane-d4	89.3		70-126	%REC	1	29-May-2024 05:23
Surr: 4-Bromofluorobenzene	92.4		77-113	%REC	1	29-May-2024 05:23
Surr: Dibromofluoromethane	91.9		77-123	%REC	1	29-May-2024 05:23
Surr: Toluene-d8	95.9		82-127	%REC	1	29-May-2024 05:23
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00108		0.000500	mg/L	1	06-Jun-2024 14:27
Ethane	< 0.00100		0.00100	mg/L	1	06-Jun-2024 14:27
Ethene	< 0.00100		0.00100	mg/L	1	06-Jun-2024 14:27
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.00946		0.00500	mg/L	1	07-Jun-2024 18:17
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:21
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	1.24		0.100	mg/L	1	25-May-2024 13:14
Sulfate	84.7		0.500	mg/L	1	25-May-2024 13:14
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
 Project: Lovington Gathering WTI SRS 2006-142
 Sample ID: MW-16-05242024
 Collection Date: 24-May-2024 12:10

ANALYTICAL REPORT

WorkOrder:HS24051607
 Lab ID:HS24051607-13
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:30
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:30
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:30
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 00:30
Surr: 1,2-Dichloroethane-d4	83.2		70-126	%REC	1	29-May-2024 00:30
Surr: 4-Bromofluorobenzene	92.1		77-113	%REC	1	29-May-2024 00:30
Surr: Dibromofluoromethane	94.8		77-123	%REC	1	29-May-2024 00:30
Surr: Toluene-d8	93.4		82-127	%REC	1	29-May-2024 00:30
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.000510		0.000500	mg/L	1	06-Jun-2024 14:59
Ethane	< 0.00100		0.00100	mg/L	1	06-Jun-2024 14:59
Ethene	< 0.00100		0.00100	mg/L	1	06-Jun-2024 14:59
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 30-May-2024		Analyst: JC
Manganese	0.00638		0.00500	mg/L	1	07-Jun-2024 18:19
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 10-Jun-2024		Analyst: MSC
Iron	< 0.200		0.200	mg/L	1	10-Jun-2024 16:23
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	2.80		0.100	mg/L	1	25-May-2024 13:19
Sulfate	107		2.50	mg/L	5	25-May-2024 15:34
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: TH		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	10-Jun-2024 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:Goff Dairy Well-05232024

Collection Date:23-May-2024 15:00

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-14

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:52
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:52
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 00:52
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 00:52
Surr: 1,2-Dichloroethane-d4	81.2		70-126	%REC	1	29-May-2024 00:52
Surr: 4-Bromofluorobenzene	92.8		77-113	%REC	1	29-May-2024 00:52
Surr: Dibromofluoromethane	94.6		77-123	%REC	1	29-May-2024 00:52
Surr: Toluene-d8	95.1		82-127	%REC	1	29-May-2024 00:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:Goff Ctr Pivot Well-05232024

Collection Date:23-May-2024 15:08

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-15

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:15
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:15
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:15
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 01:15
Surr: 1,2-Dichloroethane-d4	83.2		70-126	%REC	1	29-May-2024 01:15
Surr: 4-Bromofluorobenzene	93.1		77-113	%REC	1	29-May-2024 01:15
Surr: Dibromofluoromethane	96.4		77-123	%REC	1	29-May-2024 01:15
Surr: Toluene-d8	95.0		82-127	%REC	1	29-May-2024 01:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Sample ID: Lovington Dup-01-05242024
Collection Date: 24-May-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24051607
Lab ID:HS24051607-16
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	0.98		0.025	mg/L	25	06-Jun-2024 17:38
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:38
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 01:38
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 01:38
Surr: 1,2-Dichloroethane-d4	85.5		70-126	%REC	1	29-May-2024 01:38
Surr: 1,2-Dichloroethane-d4	104		70-126	%REC	25	06-Jun-2024 17:38
Surr: 4-Bromofluorobenzene	93.7		77-113	%REC	1	29-May-2024 01:38
Surr: 4-Bromofluorobenzene	95.7		77-113	%REC	25	06-Jun-2024 17:38
Surr: Dibromofluoromethane	93.6		77-123	%REC	1	29-May-2024 01:38
Surr: Dibromofluoromethane	102		77-123	%REC	25	06-Jun-2024 17:38
Surr: Toluene-d8	95.2		82-127	%REC	1	29-May-2024 01:38
Surr: Toluene-d8	98.2		82-127	%REC	25	06-Jun-2024 17:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:Lovington Dup-02-05242024

Collection Date:24-May-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24051607

Lab ID:HS24051607-17

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
Benzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:01
Ethylbenzene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:01
Toluene	< 0.0010		0.0010	mg/L	1	29-May-2024 02:01
Xylenes, Total	< 0.0030		0.0030	mg/L	1	29-May-2024 02:01
Surr: 1,2-Dichloroethane-d4	84.5		70-126	%REC	1	29-May-2024 02:01
Surr: 4-Bromofluorobenzene	92.4		77-113	%REC	1	29-May-2024 02:01
Surr: Dibromofluoromethane	96.2		77-123	%REC	1	29-May-2024 02:01
Surr: Toluene-d8	95.7		82-127	%REC	1	29-May-2024 02:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 17-Jun-24

Weight / Prep Log

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

Batch ID: 212573 **Start Date:** 25 May 2024 13:00 **End Date:** 25 May 2024 13:00
Method: SAMPLE FILTRATION - 0.45 MICRON FILTER **Prep Code:** FILTRATION

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24051607-02		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-03		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-05		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-07		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-08		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-09		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-10		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-12		100 (mL)	100 (mL)	1	120 mL Plastic Neat
HS24051607-13		100 (mL)	100 (mL)	1	120 mL Plastic Neat

Batch ID: 212781 **Start Date:** 30 May 2024 14:00 **End Date:** 30 May 2024 14:00
Method: WATER - SW3010A **Prep Code:** 3010A

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24051607-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-07		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24051607-13		10 (mL)	10 (mL)	1	120 plastic HNO3

Batch ID: 213227 **Start Date:** 10 Jun 2024 07:30 **End Date:** 10 Jun 2024 07:30
Method: DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24051607-02		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-03		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-05		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-07		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-08		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-09		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-10		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-12		10 (mL)	10 (mL)	1	120 mL Plastic Neat
HS24051607-13		10 (mL)	10 (mL)	1	120 mL Plastic Neat

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 212781 (0)		Test Name : ICP-MS METALS BY SW6020A			Matrix: Groundwater	
HS24051607-02	MW-6R-05232024	23 May 2024 11:00		30 May 2024 14:00	07 Jun 2024 17:53	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00		30 May 2024 14:00	07 Jun 2024 18:02	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10		30 May 2024 14:00	07 Jun 2024 18:05	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30		30 May 2024 14:00	07 Jun 2024 18:07	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55		30 May 2024 14:00	07 Jun 2024 18:10	1
HS24051607-09	MW-12-05242024	24 May 2024 09:30		30 May 2024 14:00	07 Jun 2024 18:12	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30		30 May 2024 14:00	07 Jun 2024 18:15	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25		30 May 2024 14:00	07 Jun 2024 18:17	1
HS24051607-13	MW-16-05242024	24 May 2024 12:10		30 May 2024 14:00	07 Jun 2024 18:19	1
Batch ID: 213227 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Groundwater	
HS24051607-02	MW-6R-05232024	23 May 2024 11:00		10 Jun 2024 07:30	10 Jun 2024 16:09	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00		10 Jun 2024 07:30	10 Jun 2024 15:48	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10		10 Jun 2024 07:30	10 Jun 2024 16:11	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30		10 Jun 2024 07:30	10 Jun 2024 16:13	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55		10 Jun 2024 07:30	10 Jun 2024 16:15	1
HS24051607-09	MW-12-05242024	24 May 2024 09:30		10 Jun 2024 07:30	10 Jun 2024 16:17	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30		10 Jun 2024 07:30	10 Jun 2024 16:19	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25		10 Jun 2024 07:30	10 Jun 2024 16:21	1
HS24051607-13	MW-16-05242024	24 May 2024 12:10		10 Jun 2024 07:30	10 Jun 2024 16:23	1
Batch ID: R467705 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Groundwater	
HS24051607-02	MW-6R-05232024	23 May 2024 11:00			25 May 2024 13:49	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00			25 May 2024 12:38	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10			25 May 2024 12:44	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30			25 May 2024 12:50	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55			25 May 2024 12:56	1
HS24051607-09	MW-12-05242024	24 May 2024 09:30			25 May 2024 13:02	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30			25 May 2024 13:08	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25			25 May 2024 13:14	1
HS24051607-13	MW-16-05242024	24 May 2024 12:10			25 May 2024 15:34	5
HS24051607-13	MW-16-05242024	24 May 2024 12:10			25 May 2024 13:19	1

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R467863 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24051607-01	MW-3R-05232024	23 May 2024 08:55			29 May 2024 01:20	1
HS24051607-02	MW-6R-05232024	23 May 2024 11:00			29 May 2024 01:42	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00			29 May 2024 02:04	1
HS24051607-04	MW-9-05232024	23 May 2024 09:55			29 May 2024 02:26	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10			29 May 2024 02:48	1
HS24051607-06	MW-2R-05232024	23 May 2024 09:25			29 May 2024 03:10	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30			29 May 2024 03:32	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55			29 May 2024 03:54	1
HS24051607-09	MW-12-05242024	24 May 2024 09:30			29 May 2024 04:17	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30			29 May 2024 04:39	1
HS24051607-11	MW-14-05242024	24 May 2024 10:55			29 May 2024 05:01	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25			29 May 2024 05:23	1
Batch ID: R467878 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24051607-13	MW-16-05242024	24 May 2024 12:10			29 May 2024 00:30	1
HS24051607-14	Goff Dairy Well-05232024	23 May 2024 15:00			29 May 2024 00:52	1
HS24051607-15	Goff Ctr Pivot Well-05232024	23 May 2024 15:08			29 May 2024 01:15	1
HS24051607-16	Lovington Dup-01-05242024	24 May 2024 00:00			29 May 2024 01:38	1
HS24051607-17	Lovington Dup-02-05242024	24 May 2024 00:00			29 May 2024 02:01	1
Batch ID: R468583 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Groundwater	
HS24051607-02	MW-6R-05232024	23 May 2024 11:00			05 Jun 2024 16:56	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00			05 Jun 2024 17:06	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10			05 Jun 2024 17:23	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30			05 Jun 2024 17:33	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55			05 Jun 2024 17:48	1
Batch ID: R468688 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Groundwater	
HS24051607-09	MW-12-05242024	24 May 2024 09:30			06 Jun 2024 14:08	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30			06 Jun 2024 14:19	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25			06 Jun 2024 14:27	1
HS24051607-13	MW-16-05242024	24 May 2024 12:10			06 Jun 2024 14:59	1
Batch ID: R468699 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24051607-09	MW-12-05242024	24 May 2024 09:30			06 Jun 2024 16:50	25
HS24051607-11	MW-14-05242024	24 May 2024 10:55			06 Jun 2024 17:14	10
HS24051607-16	Lovington Dup-01-05242024	24 May 2024 00:00			06 Jun 2024 17:38	25

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R468998 (0)		Test Name : CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993			Matrix: Groundwater	
HS24051607-02	MW-6R-05232024	23 May 2024 11:00			10 Jun 2024 16:00	1
HS24051607-03	MW-7-05232024	23 May 2024 13:00			10 Jun 2024 16:00	1
HS24051607-05	MW-11-05232024	23 May 2024 14:10			10 Jun 2024 16:00	1
HS24051607-07	MW-4R-05232024	23 May 2024 15:30			10 Jun 2024 16:00	1
HS24051607-08	MW-5R-05232024	23 May 2024 16:55			10 Jun 2024 16:00	1
HS24051607-09	MW-12-05242024	24 May 2024 09:30			10 Jun 2024 16:00	1
HS24051607-10	MW-13-05242024	24 May 2024 10:30			10 Jun 2024 16:00	1
HS24051607-12	MW-15-05242024	24 May 2024 11:25			10 Jun 2024 16:00	1
HS24051607-13	MW-16-05242024	24 May 2024 12:10			10 Jun 2024 16:00	1

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R468583 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:11					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048897		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	< 1.00	1.00							
Ethene	< 1.00	1.00							
Methane	< 0.500	0.500							

LCS	Sample ID: LCS-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:21					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048898		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.38	1.00	18.04	0	85.3	75 - 125			
Ethene	15.64	1.00	16.8	0	93.1	75 - 125			
Methane	8.602	0.500	9.647	0	89.2	75 - 125			

LCSD	Sample ID: LCSD-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:36					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048899		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.71	1.00	18.04	0	87.1	75 - 125	15.38	2.13	30
Ethene	16.3	1.00	16.8	0	97.0	75 - 125	15.64	4.09	30
Methane	9.064	0.500	9.647	0	94.0	75 - 125	8.602	5.23	30

The following samples were analyzed in this batch:

HS24051607-02	HS24051607-03	HS24051607-05	HS24051607-07
HS24051607-08			

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R468688 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240606	Units: ug/L		Analysis Date: 06-Jun-2024 12:13					
Client ID:	Run ID: FID-4_468688		SeqNo: 8051265		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	< 1.00	1.00							
Ethene	< 1.00	1.00							
Methane	< 0.500	0.500							

LCS	Sample ID: LCS-240606	Units: ug/L		Analysis Date: 06-Jun-2024 12:24					
Client ID:	Run ID: FID-4_468688		SeqNo: 8051266		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	17.92	1.00	18.04	0	99.3	75 - 125			
Ethene	17.73	1.00	16.8	0	106	75 - 125			
Methane	9.935	0.500	9.647	0	103	75 - 125			

LCSD	Sample ID: LCSD-240606	Units: ug/L		Analysis Date: 06-Jun-2024 12:36					
Client ID:	Run ID: FID-4_468688		SeqNo: 8051267		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	18.08	1.00	18.04	0	100	75 - 125	17.92	0.902	30
Ethene	17.39	1.00	16.8	0	104	75 - 125	17.73	1.94	30
Methane	10.79	0.500	9.647	0	112	75 - 125	9.935	8.2	30

The following samples were analyzed in this batch:									
HS24051607-09		HS24051607-10		HS24051607-12		HS24051607-13			

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: 212781 (0)		Instrument: ICPMS07		Method: ICP-MS METALS BY SW6020A						
MBLK	Sample ID: MBLK-212781	Units: mg/L		Analysis Date: 07-Jun-2024 16:52						
Client ID:	Run ID: ICPMS07_468797	SeqNo: 8054929		PrepDate: 30-May-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	< 0.00500	0.00500								
LCS	Sample ID: LCS-212781	Units: mg/L		Analysis Date: 07-Jun-2024 16:55						
Client ID:	Run ID: ICPMS07_468797	SeqNo: 8054930		PrepDate: 30-May-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	0.04717	0.00500	0.05	0	94.3	80 - 120				
MS	Sample ID: HS24051580-01MS	Units: mg/L		Analysis Date: 07-Jun-2024 17:02						
Client ID:	Run ID: ICPMS07_468797	SeqNo: 8054933		PrepDate: 30-May-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	0.05088	0.00500	0.05	0.1395	-177	80 - 120				S
MSD	Sample ID: HS24051580-01MSD	Units: mg/L		Analysis Date: 07-Jun-2024 17:12						
Client ID:	Run ID: ICPMS07_468797	SeqNo: 8054956		PrepDate: 30-May-2024		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	0.04847	0.00500	0.05	0.1395	-182	80 - 120	0.05088	4.85	20	S
PDS	Sample ID: HS24051580-01PDS	Units: mg/L		Analysis Date: 10-Jun-2024 11:29						
Client ID:	Run ID: ICPMS05_468923	SeqNo: 8056683		PrepDate: 30-May-2024		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Manganese	0.6614	0.0250	0.5	0.1389	104	75 - 125				
SD	Sample ID: HS24051580-01SD	Units: mg/L		Analysis Date: 10-Jun-2024 11:31						
Client ID:	Run ID: ICPMS05_468923	SeqNo: 8056684		PrepDate: 30-May-2024		DF: 25				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	RPD Limit	Qual
Manganese	0.1662	0.125					0.1389	19.6	10	R
The following samples were analyzed in this batch:										
		HS24051607-02	HS24051607-03	HS24051607-05	HS24051607-07					
		HS24051607-08	HS24051607-09	HS24051607-10	HS24051607-12					
		HS24051607-13								

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: 213227 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
MBLK	Sample ID: MBLKF2-213227	Units: mg/L		Analysis Date: 10-Jun-2024 15:14						
Client ID:	Run ID: ICPMS05_468923		SeqNo: 8060685		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	< 0.200	0.200								
MBLK	Sample ID: MBLKF1-213227	Units: mg/L		Analysis Date: 10-Jun-2024 15:12						
Client ID:	Run ID: ICPMS05_468923		SeqNo: 8060684		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	< 0.200	0.200								
MBLK	Sample ID: MBLK-213227	Units: mg/L		Analysis Date: 10-Jun-2024 15:10						
Client ID:	Run ID: ICPMS05_468923		SeqNo: 8060683		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	< 0.200	0.200								
LCS	Sample ID: LCS-213227	Units: mg/L		Analysis Date: 10-Jun-2024 17:07						
Client ID:	Run ID: ICPMS05_468923		SeqNo: 8061045		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	5.194	0.200	5	0	104	80 - 120				
MS	Sample ID: HS24051607-03MS	Units: mg/L		Analysis Date: 10-Jun-2024 15:50						
Client ID: MW-7-05232024	Run ID: ICPMS05_468923		SeqNo: 8060888		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	4.39	0.200	5	0.005802	87.7	75 - 125				
MSD	Sample ID: HS24051607-03MSD	Units: mg/L		Analysis Date: 10-Jun-2024 15:52						
Client ID: MW-7-05232024	Run ID: ICPMS05_468923		SeqNo: 8060889		PrepDate: 10-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	4.514	0.200	5	0.005802	90.2	75 - 125	4.39	2.79	20	

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Date: 17-Jun-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: 213227 (0)		Instrument: ICPMS05		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS		Sample ID: HS24051607-03PDS		Units: mg/L		Analysis Date: 10-Jun-2024 15:54			
Client ID: MW-7-05232024		Run ID: ICPMS05_468923		SeqNo: 8060890		PrepDate: 10-Jun-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.37	0.200	10	0.005802	104	75 - 125			

SD		Sample ID: HS24051607-03SD		Units: mg/L		Analysis Date: 10-Jun-2024 15:46			
Client ID: MW-7-05232024		Run ID: ICPMS05_468923		SeqNo: 8060886		PrepDate: 10-Jun-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Iron	< 1.00	1.00					0.005802	0	10

The following samples were analyzed in this batch:

HS24051607-02	HS24051607-03	HS24051607-05	HS24051607-07
HS24051607-08	HS24051607-09	HS24051607-10	HS24051607-12
HS24051607-13			

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467863 (0)		Instrument: VOA11		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240528	Units: ug/L		Analysis Date: 28-May-2024 22:00					
Client ID:	Run ID: VOA11_467863	SeqNo: 8034466		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	43.45	1.0	50	0	86.9	70 - 123			
Surr: 4-Bromofluorobenzene	48.37	1.0	50	0	96.7	77 - 113			
Surr: Dibromofluoromethane	45.12	1.0	50	0	90.2	73 - 126			
Surr: Toluene-d8	48.39	1.0	50	0	96.8	81 - 120			

LCS	Sample ID: VLCSW-240528	Units: ug/L		Analysis Date: 28-May-2024 20:54					
Client ID:	Run ID: VOA11_467863	SeqNo: 8034464		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.28	1.0	20	0	86.4	74 - 120			
Ethylbenzene	16.08	1.0	20	0	80.4	77 - 117			
Toluene	16.93	1.0	20	0	84.6	77 - 118			
Xylenes, Total	48.38	3.0	60	0	80.6	75 - 122			
Surr: 1,2-Dichloroethane-d4	39.4	1.0	50	0	78.8	70 - 123			
Surr: 4-Bromofluorobenzene	48.7	1.0	50	0	97.4	77 - 113			
Surr: Dibromofluoromethane	43.67	1.0	50	0	87.3	73 - 126			
Surr: Toluene-d8	48.43	1.0	50	0	96.9	81 - 120			

LCSD	Sample ID: VLCSDW-240528	Units: ug/L		Analysis Date: 28-May-2024 21:16					
Client ID:	Run ID: VOA11_467863	SeqNo: 8034465		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.1	1.0	20	0	85.5	74 - 120	17.28	1.07	20
Ethylbenzene	16.59	1.0	20	0	83.0	77 - 117	16.08	3.17	20
Toluene	17.36	1.0	20	0	86.8	77 - 118	16.93	2.55	20
Xylenes, Total	49.98	3.0	60	0	83.3	75 - 122	48.38	3.25	20
Surr: 1,2-Dichloroethane-d4	40.81	1.0	50	0	81.6	70 - 123	39.4	3.53	20
Surr: 4-Bromofluorobenzene	48.16	1.0	50	0	96.3	77 - 113	48.7	1.12	20
Surr: Dibromofluoromethane	44.05	1.0	50	0	88.1	73 - 126	43.67	0.866	20
Surr: Toluene-d8	48.95	1.0	50	0	97.9	81 - 120	48.43	1.06	20

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467863 (0)		Instrument: VOA11		Method: LOW LEVEL VOLATILES BY SW8260C					
MS		Sample ID: HS24051607-12MS		Units: ug/L		Analysis Date: 29-May-2024 05:45			
Client ID: MW-15-05242024		Run ID: VOA11_467863		SeqNo: 8034487		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.99	1.0	20	0	85.0	70 - 127			
Ethylbenzene	15.33	1.0	20	0	76.6	70 - 124			
Toluene	16.09	1.0	20	0	80.4	70 - 123			
Xylenes, Total	44.8	3.0	60	0	74.7	70 - 130			
Surr: 1,2-Dichloroethane-d4	41.64	1.0	50	0	83.3	70 - 126			
Surr: 4-Bromofluorobenzene	49.13	1.0	50	0	98.3	77 - 113			
Surr: Dibromofluoromethane	44.48	1.0	50	0	89.0	77 - 123			
Surr: Toluene-d8	47.67	1.0	50	0	95.3	82 - 127			

MSD		Sample ID: HS24051607-12MSD		Units: ug/L		Analysis Date: 29-May-2024 06:07			
Client ID: MW-15-05242024		Run ID: VOA11_467863		SeqNo: 8034488		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.64	1.0	20	0	83.2	70 - 127	16.99	2.11	20
Ethylbenzene	15.21	1.0	20	0	76.1	70 - 124	15.33	0.753	20
Toluene	15.97	1.0	20	0	79.9	70 - 123	16.09	0.722	20
Xylenes, Total	44.72	3.0	60	0	74.5	70 - 130	44.8	0.183	20
Surr: 1,2-Dichloroethane-d4	40.92	1.0	50	0	81.8	70 - 126	41.64	1.74	20
Surr: 4-Bromofluorobenzene	49.11	1.0	50	0	98.2	77 - 113	49.13	0.0476	20
Surr: Dibromofluoromethane	45.19	1.0	50	0	90.4	77 - 123	44.48	1.57	20
Surr: Toluene-d8	48.43	1.0	50	0	96.9	82 - 127	47.67	1.59	20

The following samples were analyzed in this batch:

HS24051607-01	HS24051607-02	HS24051607-03	HS24051607-04
HS24051607-05	HS24051607-06	HS24051607-07	HS24051607-08
HS24051607-09	HS24051607-10	HS24051607-11	HS24051607-12

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467878 (0)		Instrument: VOA4		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240528	Units: ug/L		Analysis Date: 28-May-2024 21:50					
Client ID:	Run ID: VOA4_467878	SeqNo: 8034757		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	42.27	1.0	50	0	84.5	70 - 123			
Surr: 4-Bromofluorobenzene	46.77	1.0	50	0	93.5	77 - 113			
Surr: Dibromofluoromethane	47.97	1.0	50	0	95.9	73 - 126			
Surr: Toluene-d8	47.14	1.0	50	0	94.3	81 - 120			

LCS	Sample ID: VLCSW-240528	Units: ug/L		Analysis Date: 28-May-2024 20:42					
Client ID:	Run ID: VOA4_467878	SeqNo: 8034755		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.71	1.0	20	0	93.6	74 - 120			
Ethylbenzene	19.84	1.0	20	0	99.2	77 - 117			
Toluene	19.47	1.0	20	0	97.3	77 - 118			
Xylenes, Total	63.45	3.0	60	0	106	75 - 122			
Surr: 1,2-Dichloroethane-d4	44.58	1.0	50	0	89.2	70 - 123			
Surr: 4-Bromofluorobenzene	49.12	1.0	50	0	98.2	77 - 113			
Surr: Dibromofluoromethane	48.97	1.0	50	0	97.9	73 - 126			
Surr: Toluene-d8	47.63	1.0	50	0	95.3	81 - 120			

LCSD	Sample ID: VLCSDW-240528	Units: ug/L		Analysis Date: 28-May-2024 21:04					
Client ID:	Run ID: VOA4_467878	SeqNo: 8034756		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.08	1.0	20	0	90.4	74 - 120	18.71	3.41	20
Ethylbenzene	18.96	1.0	20	0	94.8	77 - 117	19.84	4.54	20
Toluene	19.06	1.0	20	0	95.3	77 - 118	19.47	2.11	20
Xylenes, Total	60.75	3.0	60	0	101	75 - 122	63.45	4.35	20
Surr: 1,2-Dichloroethane-d4	43.19	1.0	50	0	86.4	70 - 123	44.58	3.17	20
Surr: 4-Bromofluorobenzene	47.95	1.0	50	0	95.9	77 - 113	49.12	2.41	20
Surr: Dibromofluoromethane	47.86	1.0	50	0	95.7	73 - 126	48.97	2.29	20
Surr: Toluene-d8	48.66	1.0	50	0	97.3	81 - 120	47.63	2.13	20

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467878 (0)		Instrument: VOA4		Method: LOW LEVEL VOLATILES BY SW8260C					
MS		Sample ID: HS24051465-01MS		Units: ug/L		Analysis Date: 29-May-2024 05:49			
Client ID:		Run ID: VOA4_467878		SeqNo: 8034778		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.81	1.0	20	0	89.0	70 - 127			
Ethylbenzene	18.84	1.0	20	0	94.2	70 - 124			
Toluene	18.11	1.0	20	0	90.5	70 - 123			
Xylenes, Total	58.23	3.0	60	0	97.0	70 - 130			
Surr: 1,2-Dichloroethane-d4	40.93	1.0	50	0	81.9	70 - 126			
Surr: 4-Bromofluorobenzene	47.27	1.0	50	0	94.5	77 - 113			
Surr: Dibromofluoromethane	47.72	1.0	50	0	95.4	77 - 123			
Surr: Toluene-d8	47.33	1.0	50	0	94.7	82 - 127			

MSD		Sample ID: HS24051465-01MSD		Units: ug/L		Analysis Date: 29-May-2024 06:11			
Client ID:		Run ID: VOA4_467878		SeqNo: 8034779		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.83	1.0	20	0	84.2	70 - 127	17.81	5.64	20
Ethylbenzene	17.4	1.0	20	0	87.0	70 - 124	18.84	7.95	20
Toluene	17.88	1.0	20	0	89.4	70 - 123	18.11	1.26	20
Xylenes, Total	56.63	3.0	60	0	94.4	70 - 130	58.23	2.78	20
Surr: 1,2-Dichloroethane-d4	41.6	1.0	50	0	83.2	70 - 126	40.93	1.63	20
Surr: 4-Bromofluorobenzene	47.84	1.0	50	0	95.7	77 - 113	47.27	1.2	20
Surr: Dibromofluoromethane	46.89	1.0	50	0	93.8	77 - 123	47.72	1.76	20
Surr: Toluene-d8	49.02	1.0	50	0	98.0	82 - 127	47.33	3.51	20

The following samples were analyzed in this batch:

HS24051607-13	HS24051607-14	HS24051607-15	HS24051607-16
HS24051607-17			

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R468699 (0)		Instrument: VOA11		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240606	Units: ug/L		Analysis Date: 06-Jun-2024 10:44					
Client ID:	Run ID: VOA11_468699	SeqNo: 8051491		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Surr: 1,2-Dichloroethane-d4	48.93	1.0	50	0	97.9	70 - 123			
Surr: 4-Bromofluorobenzene	48.27	1.0	50	0	96.5	77 - 113			
Surr: Dibromofluoromethane	49.44	1.0	50	0	98.9	73 - 126			
Surr: Toluene-d8	50.04	1.0	50	0	100	81 - 120			

LCS	Sample ID: VLCSW-240606	Units: ug/L		Analysis Date: 06-Jun-2024 09:38					
Client ID:	Run ID: VOA11_468699	SeqNo: 8051488		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.04	1.0	20	0	95.2	74 - 120			
Surr: 1,2-Dichloroethane-d4	45.18	1.0	50	0	90.4	70 - 123			
Surr: 4-Bromofluorobenzene	49.67	1.0	50	0	99.3	77 - 113			
Surr: Dibromofluoromethane	47.78	1.0	50	0	95.6	73 - 126			
Surr: Toluene-d8	49.07	1.0	50	0	98.1	81 - 120			

LCSD	Sample ID: VLCSDW-240606	Units: ug/L		Analysis Date: 06-Jun-2024 10:00					
Client ID:	Run ID: VOA11_468699	SeqNo: 8051489		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.51	1.0	20	0	92.6	74 - 120	19.04	2.83	20
Surr: 1,2-Dichloroethane-d4	44.79	1.0	50	0	89.6	70 - 123	45.18	0.878	20
Surr: 4-Bromofluorobenzene	49.72	1.0	50	0	99.4	77 - 113	49.67	0.11	20
Surr: Dibromofluoromethane	46.94	1.0	50	0	93.9	73 - 126	47.78	1.79	20
Surr: Toluene-d8	49.31	1.0	50	0	98.6	81 - 120	49.07	0.49	20

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R468699 (0)		Instrument: VOA11		Method: LOW LEVEL VOLATILES BY SW8260C					
MS		Sample ID: HS24060026-20MS		Units: ug/L		Analysis Date: 06-Jun-2024 18:45			
Client ID:		Run ID: VOA11_468699		SeqNo: 8053054		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.83	1.0	20	0	94.1	70 - 127			
Surr: 1,2-Dichloroethane-d4	46.71	1.0	50	0	93.4	70 - 126			
Surr: 4-Bromofluorobenzene	50.54	1.0	50	0	101	77 - 113			
Surr: Dibromofluoromethane	48.42	1.0	50	0	96.8	77 - 123			
Surr: Toluene-d8	49.41	1.0	50	0	98.8	82 - 127			

MSD		Sample ID: HS24060026-20MSD		Units: ug/L		Analysis Date: 06-Jun-2024 19:07			
Client ID:		Run ID: VOA11_468699		SeqNo: 8053055		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.43	1.0	20	0	92.1	70 - 127	18.83	2.13	20
Surr: 1,2-Dichloroethane-d4	46.3	1.0	50	0	92.6	70 - 126	46.71	0.867	20
Surr: 4-Bromofluorobenzene	48.14	1.0	50	0	96.3	77 - 113	50.54	4.86	20
Surr: Dibromofluoromethane	47.86	1.0	50	0	95.7	77 - 123	48.42	1.16	20
Surr: Toluene-d8	49.14	1.0	50	0	98.3	82 - 127	49.41	0.549	20

The following samples were analyzed in this batch:

HS24051607-09	HS24051607-11	HS24051607-16
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ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467705 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 25-May-2024 12:27					
Client ID:	Run ID: ICS-Integrion_467705		SeqNo: 8030264		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	< 0.100	0.100							
Sulfate	< 0.500	0.500							
LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 25-May-2024 12:32					
Client ID:	Run ID: ICS-Integrion_467705		SeqNo: 8030265		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	4.268	0.100	4	0	107	90 - 110			
Sulfate	21.35	0.500	20	0	107	90 - 110			
MS	Sample ID: HS24051607-13MS	Units: mg/L		Analysis Date: 25-May-2024 15:40					
Client ID: MW-16-05242024	Run ID: ICS-Integrion_467705		SeqNo: 8030293		PrepDate:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	12.5	0.500	10	2.937	95.7	80 - 120			
Sulfate	148.2	2.50	50	106.7	83.1	80 - 120			
MS	Sample ID: HS24051403-06MS	Units: mg/L		Analysis Date: 25-May-2024 15:17					
Client ID:	Run ID: ICS-Integrion_467705		SeqNo: 8030289		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	2.016	0.100	2	0	101	80 - 120			
Sulfate	33.09	0.500	10	24.69	84.0	80 - 120			
MSD	Sample ID: HS24051607-13MSD	Units: mg/L		Analysis Date: 25-May-2024 15:46					
Client ID: MW-16-05242024	Run ID: ICS-Integrion_467705		SeqNo: 8030294		PrepDate:		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	12.59	0.500	10	2.937	96.5	80 - 120	12.5	0.666	20
Sulfate	149.3	2.50	50	106.7	85.2	80 - 120	148.2	0.713	20

ALS Houston, US

Date: 17-Jun-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R467705 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD	Sample ID: HS24051403-06MSD	Units: mg/L			Analysis Date: 25-May-2024 15:23				
Client ID:	Run ID: ICS-Integrion_467705		SeqNo: 8030290		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	2.019	0.100	2	0	101	80 - 120	2.016	0.164	20
Sulfate	33.25	0.500	10	24.69	85.6	80 - 120	33.09	0.498	20
The following samples were analyzed in this batch:		HS24051607-02		HS24051607-03		HS24051607-05		HS24051607-07	
		HS24051607-08		HS24051607-09		HS24051607-10		HS24051607-12	
		HS24051607-13							

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

QC BATCH REPORT

Batch ID: R468998 (0)		Instrument: WetChem_HS		Method: CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993					
MBLK	Sample ID: MBLK-R468998	Units: mg/L			Analysis Date: 10-Jun-2024 16:00				
Client ID:	Run ID: WetChem_HS_468998		SeqNo: 8060876		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chemical Oxygen Demand	< 15.0	15.0							
LCS	Sample ID: LCS-R468998	Units: mg/L			Analysis Date: 10-Jun-2024 16:00				
Client ID:	Run ID: WetChem_HS_468998		SeqNo: 8060875		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chemical Oxygen Demand	100	15.0	100	0	100	85 - 115			
MS	Sample ID: HS24051607-02MS	Units: mg/L			Analysis Date: 10-Jun-2024 16:00				
Client ID: MW-6R-05232024	Run ID: WetChem_HS_468998		SeqNo: 8060878		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chemical Oxygen Demand	65	15.0	50	16	98.0	80 - 120			
MSD	Sample ID: HS24051607-02MSD	Units: mg/L			Analysis Date: 10-Jun-2024 16:00				
Client ID: MW-6R-05232024	Run ID: WetChem_HS_468998		SeqNo: 8060877		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chemical Oxygen Demand	63	15.0	50	16	94.0	80 - 120	65	3.12	20
The following samples were analyzed in this batch:									
HS24051607-02		HS24051607-03		HS24051607-05		HS24051607-07			
HS24051607-08		HS24051607-09		HS24051607-10		HS24051607-12			
HS24051607-13									

ALS Houston, US

Date: 17-Jun-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24051607

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 17-Jun-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 17-Jun-24

Sample Receipt Checklist

Work Order ID: HS24051607

Date/Time Received: 25-May-2024 09:20

Client Name: GHDHouston

Received by: Si Ma

Completed By: /S/ Paresh M. Giga	25-May-2024 12:30	Reviewed by: /S/ Luis.Aguilar	17-Jun-2024 18:54
eSignature	Date/Time	eSignature	Date/Time

Matrices: GW/WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:316841/316840
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☐	No ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.2C/1.3C; 0.7C/0.8C U/C IR31		
Cooler(s)/Kit(s):	49554/Blue		
Date/Time sample(s) sent to storage:	5/25/24 12:20		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes: MW-6R-05232024 @ 11:00 - NO3 out of hold by the time Sima finished triaging.
Logged in with analysis.
Received TOC vials - No analysis on COC/Project.
Logged in with no analysis.
MW-14-05242024 Received on VOC vials.
Diss Metals not in Nalgene bottles.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH
+1 513 733 5336Fort Collins, CO
+1 970 490 1511Everett, WA
+1 425 356 2600Holland, MI
+1 616 399 6070

Chain of Custody Form

HS24051607

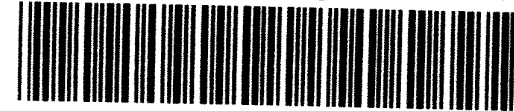
Page 1 of 2

COC ID: 316841

GHD

12604537 - Lovington Gathering WTI SRS 2006-142

ALS Project Manager:



Customer Information		Project Information		
Purchase Order	12604537-Lovington Gathering W	Project Name	12604537 - Lovington Gathering WT	A 8260_LL_W (8260 BTEX)
Work Order		Project Number	12604537	B 300_W (300 NO3, SO4)
Company Name	GHD	Bill To Company	Plains All American Pipeline, LP	C COD (410.4 COD)
Send Report To	Chris Knight	Invoice Attn	Karolanne Hudgens	D ICP_DISS (6020 Diss Iron (LabFiltr))
Address	11451 Katy Fwy Suite 400	Address	c/o ENV-00. Accounts Payable P.O. Box 4648	E ICP_TW (6020 Mn)
				F RSK175 (RSK-175 Dissolved gasses (M,E,E))
City/State/Zip	Houston, TX 77079	City/State/Zip	Houston TX 77210-4648	G
Phone	(713) 734-3090	Phone	(713) 646-4610	H
Fax	(713) 734-3391	Fax	(713) 646-4199	I
e-Mail Address	Christopher.Knight@ghd.com	e-Mail Address	Karolanne.hudgens@plains.com	J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-3R-05232024	5-23-24	8:55	GW	Ice	3	✓										
2	MW-6R-05232024	5-23-24	11:00	GW	Ice	12	✓	✓	✓	✓	✓	✓					
3	MW-7-05232024	5-23-24	13:00	GW	Ice	1	✓	✓	✓	✓	✓	✓					
4	MW-9-05232024	5-23-24	09:55	GW	Ice	3	✓										
5	MW-11-05232024	5-23-24	14:10	GW	Ice	12	✓	✓	✓	✓	✓	✓					
6	MW-2R-05232024	5-23-24	09:25	GW	Ice	3	✓										
7	MW-4R-05232024	5-23-24	15:30	GW	Ice	12	✓	✓	✓	✓	✓	✓					
8	MW-5R-05232024	5-23-24	16:55	GW	Ice	12	✓	✓	✓	✓	✓	✓					
9	MW-12-05242024	5-24-24	09:30	GW	Ice	12	✓	✓	✓	✓	✓	✓					
10	MW-13-05242024	5-24-24	10:30	GW	Ice	12	✓	✓	✓	✓	✓	✓					

Sampler(s) Please Print & Sign Jairo F. [Signature] Bryce M. [Signature] Kristle F. [Signature]		Shipment Method		Required Turnaround Time: (Check Box) ☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:	
Relinquished by: Jairo F. [Signature]		Date: 5-24-24	Time: 1400	Received by: Gm 05125124 09:20		Notes: 12604537-Lovington Gathering WTI	
Relinquished by:		Date:	Time:	Received by (Laboratory):		QC Package: (Check One Box Below)	
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):		☒ Level II Std QC ☐ Level II Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other	
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035							

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

3. The Chain of Custody is a legal document. All information must be completed accurately.

Page 43 of 46

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+1 425 356 2600Fort Collins, CO
+1 970 490 1511Holland, MI
+1 616 399 6070

Chain of Custody Form

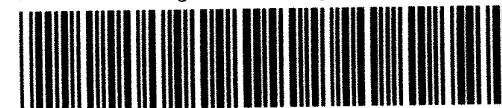
HS24051607

Page 2 of 2

COC ID: 316840

GHD

12604537 - Lovington Gathering WTI SRS 2006-142



ALS Project Manager:

Customer Information		Project Information		
Purchase Order	12604537-Lovington Gathering W	Project Name	12604537 - Lovington Gathering WT	A 8260_LL_W (8260 BTEX)
Work Order		Project Number	12604537	B 300_W (300 NO3, SO4)
Company Name	GHD	Bill To Company	Plains All American Pipeline, LP	C COD (410.4 COD)
Send Report To	Chris Knight	Invoice Attn	Karolanne Hudgens	D ICP_DISS (6020 Diss Iron (LabFiltr))
Address	11451 Katy Fwy Suite 400	Address	c/o ENV-00. Accounts Payable P.O. Box 4648	E ICP_TW (6020 Mn)
				F RSK175 (RSK-175 Dissolved gasses (M,E,E))
City/State/Zip	Houston, TX 77079	City/State/Zip	Houston TX 77210-4648	G
Phone	(713) 734-3090	Phone	(713) 646-4610	H
Fax	(713) 734-3391	Fax	(713) 646-4199	I
e-Mail Address	Christopher.Knight@ghd.com	e-Mail Address	Karolanne.hudgens@plains.com	J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-14-05242024	5-24-24	10:55	GW	Ice	12	✓	✓	✓	✓	✓	✓					
2	MW-15-05242024	5-24-24	11:25	GW	Ice	12	✓	✓	✓	✓	✓	✓					
3	MW-16-05242024	5-24-24	12:10	GW	Ice	12	✓	✓	✓	✓	✓	✓					
4	Goff Dairy Well-05232024	5-23-24	15:00	GW	Ice	3	✓										
5	Goff Ctr Pivot Well-05232024	5-23-24	15:08	GW	Ice	3	✓										
6	Lovington Dup-01-05242024	5-24-24	—	GW	Ice	3	✓										
7	Lovington Dup-02-05242024	5-24-24	—	GW	Ice	3	✓										
8																	
9																	
10																	

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:	
Jairo I. [Signature] Jairo Flores [Signature]				☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour			
Relinquished by:	Date: 5-24-24	Time: 1400	Received by:	Notes: 12604537-Lovington Gathering WTI			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)	
Relinquished by:	Date:	Time:	Received by (Laboratory):	uassy	u/c	☒ Level II Std QC ☐ Level II Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Bmc	0.7	☐ TRRP Checklist ☐ TRRP Level IV	
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035							

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

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3. The Chain of Custody is a legal document. All information must be completed accurately.

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <u>SM</u>
	Date: <u>5-24-24</u>	Time: <u>1400</u>	Date: <u>05/25/24</u>
	Name: <u>Tamara</u>		
	Company: <u>GHD</u>		

49554

MAY 25 2024

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <u>SM</u>
	Date: <u>5-24-24</u>	Time: <u>1400</u>	Date: <u>05/25/24</u>
	Name: <u>Tamara</u>		
	Company: <u>GHD</u>		



Must Deliver Next Business Day
Time and Temperature Sensitive!

49554

ORIGIN ID: SGRA (505) 546-2198
 SIMON KOZIK
 GHD
 1608 NORTH 26TH ST ARTESIA
 ARTESIA, NM 88210
 UNITED STATES US

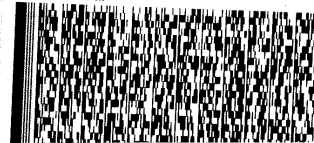
SHIP DATE: 26APR24
 ACTWGT: 1.00 LB MAN
 CAD: 0221247/CAFE3755
 DIMS: 19x16x13 IN

TO **SAMPLE RECEIVING**
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(281) 530-5668

REF: 12604537 - LOVINGTON = BO 10

RMA: || || || ||



FedEx
 TRK# 6862 6804 8719
 0221

TF 02

XO SGRA

MONDAY 12:00P
 PRIORITY OVERNIGHT

77099
 TX - US



 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 555 Fax. +1 281 530 517	CUSTODY SEAL Date: <u>5-24-24</u> Time: <u>1400</u> Name: <u>Jairo F. ZR</u> Company: <u>GHD</u>		Seal Broken By: <u>SM</u> Date: <u>05/25/24</u>

BME

MAY 25 2024

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL Date: <u>5-24-24</u> Time: <u>1400</u> Name: <u>Jairo F. ZR</u> Company: <u>GHD</u>		Seal Broken By: <u>SM</u> Date: <u>05/25/24</u>

Must Deliver Next Business Day
Time and Temperature Sensitive!



ORIGIN ID: SGRA (432) 894-7848
 HANK
 QND
 2135 S LOOP 250 WEST
 MIDLAND, TX 79703
 UNITED STATES US

SHIP DATE: 19APR24
 ACTWGT: 15.00 LB NIN
 CNO: 0221247/CNFC3755
 DIMS: 26x14x14 IN

TO: **SAMPLE RECEIVING**
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(281) 530-5656 REF: SAMPLE RECEIVING
 DEPT: LAB GEN

RMA: 0221

TRK# 6862 6804 6510

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx
Express
E

Friday Delivery

FedEx
TRK# 6862 6804 6510

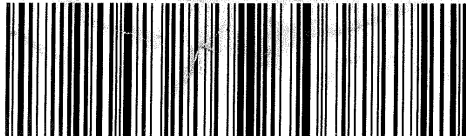
XO SGRA

SATURDAY 12:00
PRIORITY OVERNIGHT

TX-US

77099

EXP 04/25



#20265 05/24 583J4/C458/99E3



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 12, 2024

Chris Knight
GHD
11451 Katy Fwy
Suite 400
Houston, TX 77079

Work Order: **HS24081926**

Laboratory Results for: **Lovington Gathering WTI SRS 2006-142**

Dear Chris Knight,

ALS Environmental received 15 sample(s) on Aug 31, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER

Luis.Aguilar

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Work Order: HS24081926

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24081926-01	MW-1R-20240829	Groundwater		29-Aug-2024 09:15	31-Aug-2024 09:15	☐
HS24081926-02	MW-3R-20240829	Groundwater		29-Aug-2024 09:55	31-Aug-2024 09:15	☐
HS24081926-03	12604537-MW-6R-20240829	Groundwater		29-Aug-2024 11:15	31-Aug-2024 09:15	☐
HS24081926-04	MW-9-20240829	Groundwater		29-Aug-2024 12:00	31-Aug-2024 09:15	☐
HS24081926-05	12604537-MW-13-20240830	Groundwater		30-Aug-2024 12:00	31-Aug-2024 09:15	☐
HS24081926-06	MW-2R-20240829	Groundwater		29-Aug-2024 12:50	31-Aug-2024 09:15	☐
HS24081926-07	MW-4R-20240829	Groundwater		29-Aug-2024 14:00	31-Aug-2024 09:15	☐
HS24081926-08	MW-5R-20240830	Groundwater		30-Aug-2024 09:05	31-Aug-2024 09:15	☐
HS24081926-09	MW-12-20240830	Groundwater		30-Aug-2024 09:35	31-Aug-2024 09:15	☐
HS24081926-10	12604537-MW-14-20240830	Groundwater		30-Aug-2024 09:30	31-Aug-2024 09:15	☐
HS24081926-11	MW-7-20240830	Groundwater		30-Aug-2024 12:50	31-Aug-2024 09:15	☐
HS24081926-12	MW-15-20240830	Groundwater		30-Aug-2024 12:20	31-Aug-2024 09:15	☐
HS24081926-13	12604537-MW-16-20240829	Groundwater		29-Aug-2024 14:00	31-Aug-2024 09:15	☐
HS24081926-14	DUP-01-20240829	Groundwater		29-Aug-2024 00:00	31-Aug-2024 09:15	☐
HS24081926-15	DUP-02-20240829	Groundwater		29-Aug-2024 00:00	31-Aug-2024 09:15	☐

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
Work Order: HS24081926

CASE NARRATIVE**GCMS Volatiles by Method SW8260****Batch ID: R476842**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R476733**Sample ID: VBLKW-240909**

- Surrogate failed outside QC control limits high. Associated analytes are ND.

Sample ID: VLCSDW-240909

- Surrogate failed outside QC control limits high. Associated analytes are ND.

Sample ID: VSTD050

- Surrogate failed outside QC control limits high. Associated analytes are ND.

Batch ID: R476434**Sample ID: MW-3R-20240829 (HS24081926-02)**

- Surrogate failed QC control limits high. Target analytes are not associated.

Sample ID: VLCSW-240904

- Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.

Batch ID: R476845**Sample ID: VLCSDW-240910**

- The RPD between the LCS and LCSD was outside of the control limit.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-1R-20240829

Collection Date:29-Aug-2024 09:15

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-01

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 19:21
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 19:21
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 19:21
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 19:21
Surr: 1,2-Dichloroethane-d4	110		70-126	%REC	1	04-Sep-2024 19:21
Surr: 4-Bromofluorobenzene	98.1		77-113	%REC	1	04-Sep-2024 19:21
Surr: Dibromofluoromethane	108		77-123	%REC	1	04-Sep-2024 19:21
Surr: Toluene-d8	105		82-127	%REC	1	04-Sep-2024 19:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-3R-20240829

Collection Date:29-Aug-2024 09:55

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-02

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.10		0.0010	mg/L	1	04-Sep-2024 19:44
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 19:44
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 19:44
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 19:44
Surr: 1,2-Dichloroethane-d4	111		70-126	%REC	1	04-Sep-2024 19:44
Surr: 4-Bromofluorobenzene	129	S	77-113	%REC	1	04-Sep-2024 19:44
Surr: Dibromofluoromethane	113		77-123	%REC	1	04-Sep-2024 19:44
Surr: Toluene-d8	104		82-127	%REC	1	04-Sep-2024 19:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:12604537-MW-6R-20240829

Collection Date:29-Aug-2024 11:15

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-03

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.0016		0.0010	mg/L	1	04-Sep-2024 20:06
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:06
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:06
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 20:06
Surr: 1,2-Dichloroethane-d4	109		70-126	%REC	1	04-Sep-2024 20:06
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	04-Sep-2024 20:06
Surr: Dibromofluoromethane	112		77-123	%REC	1	04-Sep-2024 20:06
Surr: Toluene-d8	105		82-127	%REC	1	04-Sep-2024 20:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-9-20240829

Collection Date:29-Aug-2024 12:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-04

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:29
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:29
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:29
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 20:29
Surr: 1,2-Dichloroethane-d4	114		70-126	%REC	1	04-Sep-2024 20:29
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	04-Sep-2024 20:29
Surr: Dibromofluoromethane	114		77-123	%REC	1	04-Sep-2024 20:29
Surr: Toluene-d8	104		82-127	%REC	1	04-Sep-2024 20:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: 12604537-MW-13-20240830

Collection Date: 30-Aug-2024 12:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-05

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.042		0.0010	mg/L	1	04-Sep-2024 20:51
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:51
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 20:51
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 20:51
Surr: 1,2-Dichloroethane-d4	108		70-126	%REC	1	04-Sep-2024 20:51
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	04-Sep-2024 20:51
Surr: Dibromofluoromethane	110		77-123	%REC	1	04-Sep-2024 20:51
Surr: Toluene-d8	104		82-127	%REC	1	04-Sep-2024 20:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-2R-20240829

Collection Date:29-Aug-2024 12:50

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-06

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:14
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:14
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:14
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 21:14
Surr: 1,2-Dichloroethane-d4	111		70-126	%REC	1	04-Sep-2024 21:14
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	04-Sep-2024 21:14
Surr: Dibromofluoromethane	109		77-123	%REC	1	04-Sep-2024 21:14
Surr: Toluene-d8	87.8		82-127	%REC	1	04-Sep-2024 21:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-4R-20240829

Collection Date:29-Aug-2024 14:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-07

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.014		0.0010	mg/L	1	04-Sep-2024 21:36
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:36
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:36
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 21:36
Surr: 1,2-Dichloroethane-d4	111		70-126	%REC	1	04-Sep-2024 21:36
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	04-Sep-2024 21:36
Surr: Dibromofluoromethane	112		77-123	%REC	1	04-Sep-2024 21:36
Surr: Toluene-d8	103		82-127	%REC	1	04-Sep-2024 21:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-5R-20240830

Collection Date:30-Aug-2024 09:05

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-08

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:59
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:59
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 21:59
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 21:59
Surr: 1,2-Dichloroethane-d4	112		70-126	%REC	1	04-Sep-2024 21:59
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	04-Sep-2024 21:59
Surr: Dibromofluoromethane	113		77-123	%REC	1	04-Sep-2024 21:59
Surr: Toluene-d8	104		82-127	%REC	1	04-Sep-2024 21:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-12-20240830

Collection Date:30-Aug-2024 09:35

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-09

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.70		0.010	mg/L	10	11-Sep-2024 04:33
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 22:21
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 22:21
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 22:21
Surr: 1,2-Dichloroethane-d4	111		70-126	%REC	1	04-Sep-2024 22:21
Surr: 1,2-Dichloroethane-d4	113		70-126	%REC	10	11-Sep-2024 04:33
Surr: 4-Bromofluorobenzene	100		77-113	%REC	1	04-Sep-2024 22:21
Surr: 4-Bromofluorobenzene	106		77-113	%REC	10	11-Sep-2024 04:33
Surr: Dibromofluoromethane	106		77-123	%REC	1	04-Sep-2024 22:21
Surr: Dibromofluoromethane	105		77-123	%REC	10	11-Sep-2024 04:33
Surr: Toluene-d8	103		82-127	%REC	1	04-Sep-2024 22:21
Surr: Toluene-d8	108		82-127	%REC	10	11-Sep-2024 04:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: 12604537-MW-14-20240830

Collection Date: 30-Aug-2024 09:30

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-10

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.19		0.0010	mg/L	1	04-Sep-2024 22:44
Ethylbenzene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 22:44
Toluene	< 0.0010		0.0010	mg/L	1	04-Sep-2024 22:44
Xylenes, Total	< 0.0030		0.0030	mg/L	1	04-Sep-2024 22:44
Surr: 1,2-Dichloroethane-d4	111		70-126	%REC	1	04-Sep-2024 22:44
Surr: 4-Bromofluorobenzene	100		77-113	%REC	1	04-Sep-2024 22:44
Surr: Dibromofluoromethane	106		77-123	%REC	1	04-Sep-2024 22:44
Surr: Toluene-d8	105		82-127	%REC	1	04-Sep-2024 22:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-7-20240830

Collection Date:30-Aug-2024 12:50

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-11

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 04:40
Ethylbenzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 04:40
Toluene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 04:40
Xylenes, Total	< 0.0030		0.0030	mg/L	1	10-Sep-2024 04:40
Surr: 1,2-Dichloroethane-d4	116		70-126	%REC	1	10-Sep-2024 04:40
Surr: 4-Bromofluorobenzene	105		77-113	%REC	1	10-Sep-2024 04:40
Surr: Dibromofluoromethane	102		77-123	%REC	1	10-Sep-2024 04:40
Surr: Toluene-d8	107		82-127	%REC	1	10-Sep-2024 04:40

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:MW-15-20240830

Collection Date:30-Aug-2024 12:20

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-12

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	0.51		0.010	mg/L	10	10-Sep-2024 15:45
Ethylbenzene	< 0.010		0.010	mg/L	10	10-Sep-2024 15:45
Toluene	< 0.010		0.010	mg/L	10	10-Sep-2024 15:45
Xylenes, Total	0.043		0.030	mg/L	10	10-Sep-2024 15:45
Surr: 1,2-Dichloroethane-d4	117		70-126	%REC	10	10-Sep-2024 15:45
Surr: 4-Bromofluorobenzene	107		77-113	%REC	10	10-Sep-2024 15:45
Surr: Dibromofluoromethane	104		77-123	%REC	10	10-Sep-2024 15:45
Surr: Toluene-d8	110		82-127	%REC	10	10-Sep-2024 15:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client:GHD

Project:Lovington Gathering WTI SRS 2006-142

Sample ID:12604537-MW-16-20240829

Collection Date:29-Aug-2024 14:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-13

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:03
Ethylbenzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:03
Toluene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:03
Xylenes, Total	< 0.0030		0.0030	mg/L	1	10-Sep-2024 05:03
Surr: 1,2-Dichloroethane-d4	115		70-126	%REC	1	10-Sep-2024 05:03
Surr: 4-Bromofluorobenzene	105		77-113	%REC	1	10-Sep-2024 05:03
Surr: Dibromofluoromethane	102		77-123	%REC	1	10-Sep-2024 05:03
Surr: Toluene-d8	109		82-127	%REC	1	10-Sep-2024 05:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: DUP-01-20240829

Collection Date: 29-Aug-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-14

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	1.5		0.010	mg/L	10	10-Sep-2024 14:15
Ethylbenzene	< 0.010		0.010	mg/L	10	10-Sep-2024 14:15
Toluene	< 0.010		0.010	mg/L	10	10-Sep-2024 14:15
Xylenes, Total	< 0.030		0.030	mg/L	10	10-Sep-2024 14:15
Surr: 1,2-Dichloroethane-d4	121		70-126	%REC	10	10-Sep-2024 14:15
Surr: 4-Bromofluorobenzene	103		77-113	%REC	10	10-Sep-2024 14:15
Surr: Dibromofluoromethane	105		77-123	%REC	10	10-Sep-2024 14:15
Surr: Toluene-d8	107		82-127	%REC	10	10-Sep-2024 14:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

Sample ID: DUP-02-20240829

Collection Date: 29-Aug-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24081926

Lab ID:HS24081926-15

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: TS		
Benzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:48
Ethylbenzene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:48
Toluene	< 0.0010		0.0010	mg/L	1	10-Sep-2024 05:48
Xylenes, Total	< 0.0030		0.0030	mg/L	1	10-Sep-2024 05:48
Surr: 1,2-Dichloroethane-d4	120		70-126	%REC	1	10-Sep-2024 05:48
Surr: 4-Bromofluorobenzene	107		77-113	%REC	1	10-Sep-2024 05:48
Surr: Dibromofluoromethane	106		77-123	%REC	1	10-Sep-2024 05:48
Surr: Toluene-d8	104		82-127	%REC	1	10-Sep-2024 05:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R476434 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24081926-01	MW-1R-20240829	29 Aug 2024 09:15			04 Sep 2024 19:21	1
HS24081926-02	MW-3R-20240829	29 Aug 2024 09:55			04 Sep 2024 19:44	1
HS24081926-03	12604537-MW-6R-20240829	29 Aug 2024 11:15			04 Sep 2024 20:06	1
HS24081926-04	MW-9-20240829	29 Aug 2024 12:00			04 Sep 2024 20:29	1
HS24081926-05	12604537-MW-13-20240830	30 Aug 2024 12:00			04 Sep 2024 20:51	1
HS24081926-06	MW-2R-20240829	29 Aug 2024 12:50			04 Sep 2024 21:14	1
HS24081926-07	MW-4R-20240829	29 Aug 2024 14:00			04 Sep 2024 21:36	1
HS24081926-08	MW-5R-20240830	30 Aug 2024 09:05			04 Sep 2024 21:59	1
HS24081926-09	MW-12-20240830	30 Aug 2024 09:35			04 Sep 2024 22:21	1
HS24081926-10	12604537-MW-14-20240830	30 Aug 2024 09:30			04 Sep 2024 22:44	1
Batch ID: R476733 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24081926-11	MW-7-20240830	30 Aug 2024 12:50			10 Sep 2024 04:40	1
HS24081926-13	12604537-MW-16-20240829	29 Aug 2024 14:00			10 Sep 2024 05:03	1
HS24081926-15	DUP-02-20240829	29 Aug 2024 00:00			10 Sep 2024 05:48	1
Batch ID: R476842 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24081926-09	MW-12-20240830	30 Aug 2024 09:35			11 Sep 2024 04:33	10
Batch ID: R476845 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24081926-12	MW-15-20240830	30 Aug 2024 12:20			10 Sep 2024 15:45	10
HS24081926-14	DUP-01-20240829	29 Aug 2024 00:00			10 Sep 2024 14:15	10

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476434 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C						
MBLK	Sample ID: VBLKW-240904	Units: ug/L		Analysis Date: 04-Sep-2024 18:59						
Client ID:	Run ID: VOA13_476434	SeqNo: 8231187		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 1.0	1.0								
Ethylbenzene	< 1.0	1.0								
Toluene	< 1.0	1.0								
Xylenes, Total	< 3.0	3.0								
Surr: 1,2-Dichloroethane-d4	54.82	1.0	50	0	110	70 - 123				
Surr: 4-Bromofluorobenzene	49.06	1.0	50	0	98.1	77 - 113				
Surr: Dibromofluoromethane	54	1.0	50	0	108	73 - 126				
Surr: Toluene-d8	52.38	1.0	50	0	105	81 - 120				

LCS	Sample ID: VLCSW-240904	Units: ug/L		Analysis Date: 04-Sep-2024 17:51						
Client ID:	Run ID: VOA13_476434	SeqNo: 8231185		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.11	1.0	20	0	90.5	74 - 120				
Ethylbenzene	19.23	1.0	20	0	96.1	77 - 117				
Toluene	16.54	1.0	20	0	82.7	77 - 118				
Xylenes, Total	56.65	3.0	60	0	94.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	52.69	1.0	50	0	105	70 - 123				
Surr: 4-Bromofluorobenzene	49.64	1.0	50	0	99.3	77 - 113				
Surr: Dibromofluoromethane	52.23	1.0	50	0	104	73 - 126				
Surr: Toluene-d8	45.57	1.0	50	0	91.1	81 - 120				

LCSD	Sample ID: VLCSDW-240904	Units: ug/L		Analysis Date: 04-Sep-2024 18:13						
Client ID:	Run ID: VOA13_476434	SeqNo: 8231186		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.77	1.0	20	0	88.9	74 - 120	18.11	1.87	20	
Ethylbenzene	18.94	1.0	20	0	94.7	77 - 117	19.23	1.52	20	
Toluene	19.23	1.0	20	0	96.1	77 - 118	16.54	15	20	
Xylenes, Total	57.57	3.0	60	0	96.0	75 - 122	56.65	1.61	20	
Surr: 1,2-Dichloroethane-d4	57.54	1.0	50	0	115	70 - 123	52.69	8.8	20	
Surr: 4-Bromofluorobenzene	51.18	1.0	50	0	102	77 - 113	49.64	3.05	20	
Surr: Dibromofluoromethane	52.91	1.0	50	0	106	73 - 126	52.23	1.28	20	
Surr: Toluene-d8	50.82	1.0	50	0	102	81 - 120	45.57	10.9	20	

ALS Houston, US

Date: 12-Sep-24

Client: GHD

Project: Lovington Gathering WTI SRS 2006-142

WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476434 (0)	Instrument: VOA13	Method: LOW LEVEL VOLATILES BY SW8260C		
The following samples were analyzed in this batch:	HS24081926-01	HS24081926-02	HS24081926-03	HS24081926-04
	HS24081926-05	HS24081926-06	HS24081926-07	HS24081926-08
	HS24081926-09	HS24081926-10		

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476733 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240909	Units: ug/L		Analysis Date: 09-Sep-2024 22:39					
Client ID:	Run ID: VOA13_476733	SeqNo: 8241303		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	64.3	1.0	50	0	129	70 - 123			S
Surr: 4-Bromofluorobenzene	51.97	1.0	50	0	104	77 - 113			
Surr: Dibromofluoromethane	56.04	1.0	50	0	112	73 - 126			
Surr: Toluene-d8	53.47	1.0	50	0	107	81 - 120			

LCS	Sample ID: VLCSW-240909	Units: ug/L		Analysis Date: 09-Sep-2024 21:54					
Client ID:	Run ID: VOA13_476733	SeqNo: 8241301		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.51	1.0	20	0	92.5	74 - 120			
Ethylbenzene	20	1.0	20	0	100	77 - 117			
Toluene	20.4	1.0	20	0	102	77 - 118			
Xylenes, Total	59.6	3.0	60	0	99.3	75 - 122			
Surr: 1,2-Dichloroethane-d4	54.43	1.0	50	0	109	70 - 123			
Surr: 4-Bromofluorobenzene	51.26	1.0	50	0	103	77 - 113			
Surr: Dibromofluoromethane	55.75	1.0	50	0	112	73 - 126			
Surr: Toluene-d8	53.57	1.0	50	0	107	81 - 120			

LCSD	Sample ID: VLCSDW-240909	Units: ug/L		Analysis Date: 09-Sep-2024 22:17					
Client ID:	Run ID: VOA13_476733	SeqNo: 8241302		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.14	1.0	20	0	90.7	74 - 120	18.51	1.99	20
Ethylbenzene	18.29	1.0	20	0	91.4	77 - 117	20	8.94	20
Toluene	18.65	1.0	20	0	93.3	77 - 118	20.4	8.97	20
Xylenes, Total	54.6	3.0	60	0	91.0	75 - 122	59.6	8.75	20
Surr: 1,2-Dichloroethane-d4	62.4	1.0	50	0	125	70 - 123	54.43	13.6	20 S
Surr: 4-Bromofluorobenzene	51.58	1.0	50	0	103	77 - 113	51.26	0.634	20
Surr: Dibromofluoromethane	54.76	1.0	50	0	110	73 - 126	55.75	1.79	20
Surr: Toluene-d8	53.63	1.0	50	0	107	81 - 120	53.57	0.116	20

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476733 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C					
MS		Sample ID: HS24081926-12MS		Units: ug/L		Analysis Date: 10-Sep-2024 06:55			
Client ID: MW-15-20240830		Run ID: VOA13_476733		SeqNo: 8241324		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Benzene	826	10	200	681.7	72.1	70 - 127			
Ethylbenzene	161.1	10	200	0	80.5	70 - 124			
Toluene	167.6	10	200	0	83.8	70 - 123			
Xylenes, Total	480.5	30	600	0	80.1	70 - 130			
Surr: 1,2-Dichloroethane-d4	563.2	10	500	0	113	70 - 126			
Surr: 4-Bromofluorobenzene	515.9	10	500	0	103	77 - 113			
Surr: Dibromofluoromethane	492.2	10	500	0	98.4	77 - 123			
Surr: Toluene-d8	542.1	10	500	0	108	82 - 127			

MSD		Sample ID: HS24081926-12MSD		Units: ug/L		Analysis Date: 10-Sep-2024 07:18			
Client ID: MW-15-20240830		Run ID: VOA13_476733		SeqNo: 8241325		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Benzene	875	10	200	681.7	96.6	70 - 127	826	5.76	20
Ethylbenzene	187.9	10	200	0	94.0	70 - 124	161.1	15.4	20
Toluene	194	10	200	0	97.0	70 - 123	167.6	14.6	20
Xylenes, Total	562.5	30	600	0	93.8	70 - 130	480.5	15.7	20
Surr: 1,2-Dichloroethane-d4	602.4	10	500	0	120	70 - 126	563.2	6.74	20
Surr: 4-Bromofluorobenzene	514.4	10	500	0	103	77 - 113	515.9	0.296	20
Surr: Dibromofluoromethane	528.7	10	500	0	106	77 - 123	492.2	7.14	20
Surr: Toluene-d8	534.5	10	500	0	107	82 - 127	542.1	1.42	20

The following samples were analyzed in this batch: HS24081926-11 HS24081926-13 HS24081926-15

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476842 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C						
MBLK	Sample ID: VBLKW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 22:32						
Client ID:	Run ID: VOA13_476842	SeqNo: 8243523		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 1.0	1.0								
Surr: 1,2-Dichloroethane-d4	54.97	1.0	50	0	110	70 - 123				
Surr: 4-Bromofluorobenzene	53.88	1.0	50	0	108	77 - 113				
Surr: Dibromofluoromethane	50.31	1.0	50	0	101	73 - 126				
Surr: Toluene-d8	52.44	1.0	50	0	105	81 - 120				

LCS	Sample ID: VLCSW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 21:47						
Client ID:	Run ID: VOA13_476842	SeqNo: 8243521		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.58	1.0	20	0	87.9	74 - 120				
Surr: 1,2-Dichloroethane-d4	51.48	1.0	50	0	103	70 - 123				
Surr: 4-Bromofluorobenzene	51.02	1.0	50	0	102	77 - 113				
Surr: Dibromofluoromethane	47.67	1.0	50	0	95.3	73 - 126				
Surr: Toluene-d8	52.73	1.0	50	0	105	81 - 120				

LCSD	Sample ID: VLCSDW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 22:09						
Client ID:	Run ID: VOA13_476842	SeqNo: 8243522		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.26	1.0	20	0	86.3	74 - 120	17.58	1.85	20	
Surr: 1,2-Dichloroethane-d4	53.54	1.0	50	0	107	70 - 123	51.48	3.92	20	
Surr: 4-Bromofluorobenzene	53.79	1.0	50	0	108	77 - 113	51.02	5.29	20	
Surr: Dibromofluoromethane	49.17	1.0	50	0	98.3	73 - 126	47.67	3.09	20	
Surr: Toluene-d8	54.48	1.0	50	0	109	81 - 120	52.73	3.26	20	

The following samples were analyzed in this batch: HS24081926-09

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476845 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 11:37					
Client ID:	Run ID: VOA13_476845	SeqNo: 8243539		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	58.21	1.0	50	0	116	70 - 123			
Surr: 4-Bromofluorobenzene	50.86	1.0	50	0	102	77 - 113			
Surr: Dibromofluoromethane	51.6	1.0	50	0	103	73 - 126			
Surr: Toluene-d8	52.51	1.0	50	0	105	81 - 120			

LCS	Sample ID: VLCSW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 10:52					
Client ID:	Run ID: VOA13_476845	SeqNo: 8243537		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	21.37	1.0	20	0	107	74 - 120			
Ethylbenzene	18.2	1.0	20	0	91.0	77 - 117			
Toluene	19.47	1.0	20	0	97.3	77 - 118			
Xylenes, Total	55.99	3.0	60	0	93.3	75 - 122			
Surr: 1,2-Dichloroethane-d4	58.97	1.0	50	0	118	70 - 123			
Surr: 4-Bromofluorobenzene	50.94	1.0	50	0	102	77 - 113			
Surr: Dibromofluoromethane	51.19	1.0	50	0	102	73 - 126			
Surr: Toluene-d8	55.22	1.0	50	0	110	81 - 120			

LCSD	Sample ID: VLCSDW-240910	Units: ug/L		Analysis Date: 10-Sep-2024 11:14					
Client ID:	Run ID: VOA13_476845	SeqNo: 8243538		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.71	1.0	20	0	98.6	74 - 120	21.37	8.07	20
Ethylbenzene	17.99	1.0	20	0	90.0	77 - 117	18.2	1.15	20
Toluene	15.82	1.0	20	0	79.1	77 - 118	19.47	20.7	20 R
Xylenes, Total	54.23	3.0	60	0	90.4	75 - 122	55.99	3.19	20
Surr: 1,2-Dichloroethane-d4	59.92	1.0	50	0	120	70 - 123	58.97	1.61	20
Surr: 4-Bromofluorobenzene	52.99	1.0	50	0	106	77 - 113	50.94	3.94	20
Surr: Dibromofluoromethane	54.3	1.0	50	0	109	73 - 126	51.19	5.89	20
Surr: Toluene-d8	48	1.0	50	0	96.0	81 - 120	55.22	14	20

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

QC BATCH REPORT

Batch ID: R476845 (0) Instrument: VOA13 Method: LOW LEVEL VOLATILES BY SW8260C

The following samples were analyzed in this batch: HS24081926-12 HS24081926-14

ALS Houston, US

Date: 12-Sep-24

Client: GHD
Project: Lovington Gathering WTI SRS 2006-142
WorkOrder: HS24081926

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 12-Sep-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L22-90-R2	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Sep-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 12-Sep-24

Sample Receipt Checklist

Work Order ID: HS24081926

Date/Time Received: 31-Aug-2024 09:15

Client Name: GHDHouston

Received by: Kaycee Rogers

Completed By: /S/ Hoa Tran	31-Aug-2024 15:13	Reviewed by: /S/ salina zaid	03-Sep-2024 17:02
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.5uc/1.5c ir34		
Cooler(s)/Kit(s):	blue		
Date/Time sample(s) sent to storage:	08/31/2024 1515		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☒
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 1 of 2

HS24081926

GHD
Lovington Gathering WTI SRS 2006-142

Customer Information				Project Information				Parameter/Method Request for Analysis											
Purchase Order		Project Name	Lovington Gathering	A	BTEX 80218														
Work Order		Project Number	SRS#2006-142	B															
Company Name	Plains All American Pipeline LP.	Bill To Company	Plains All American Pipeline	C															
Send Report To	Christ Knight	Invoice Attn	ENV-00 Accounts Payable	D															
Address	11451 Katy Fwy Suite 400	Address	c/o ENV-00 Accounts Payable	E															
City/State/Zip	Houston, Tx 77079	City/State/Zip	Houston, Tx 77320-4648	F															
Phone	713-734-3090	Phone	713-646-4610	G															
Fax		Fax		H															
e-Mail Address	christopher.knight@ghd.com	e-Mail Address	harpiana.hudgens@plains.com	I															
				J															
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	MW-1R-20240829	8-29-24	09:15	GW		3	X												
2	MW-3R-20240829	8-29-24	09:55																
3	12604537-MW-6R-20240829	8-29-24	11:15																
4	MW-9-20240829	8-29-24	12:00																
5	12604537-MW13-20240830	8-30-24	12:00																
6	MW-2R-20240829	8-29-24	12:50																
7	MW-4R-20240829	8-29-24	14:00																
8	MW-6R-20240830	8-30-24	09:05																
9	MW-12-20240830	8-30-24	09:35																
10	12604537-MW14-20240830	8-30-24	09:30																
Signature(s): Please Print & Sign				Shipment Method:				Required Turnaround Time:				Results Due Date:							
Christ Knight								☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour											
Relinquished by:				Date:				Time:				Received by:							
Christ Knight				8-30-24				15:30				Received by:							
Relinquished by:				Date:				Time:				Received by (Laboratory):							
				8/31/24				9:15				Received by (Laboratory):							
Logged by (Laboratory):				Date:				Time:				Cooler Temp.							
				8/31/24				9:15				Cooler Temp. 1.5							
Preservative Key:				1-HCL 2-ANCO 3-H2SO4 4-NH4OH 5-Na2S2O3 6-NaOH 7-H2O2 8-Segura C 9-SGS															
QC Package: (Check Box Below)																			
Level II: Standard QC																			
Level III: Std QC + Raw Data																			
Level IV: SW846 CLP-Like																			
Other:																			

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Please click the link below for detailed Terms & Conditions:
<https://www.alsglobal.com/ALSGroupUSACorpTIC>
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1R #34
C50.0
Bluc.



ALS Environmental

Laboratory location:

Chain of Custody Form

Page 2 of 2

HS24081926

GHD

Lovington Gathering WTI SRS 2006-142



Customer Information				Project Information				Parameter/Method Request for Analysis											
Purchase Order		Project Name	Lovington Gathering	A	BTX 80218														
Work Order		Project Number	SRS#2006-142	B															
Company Name	Plains All American Pipeline LP.	Bill To Company	Plains All American Pipeline	C															
Send Report To	Christ Knight	Invoice Attn	ENV-00 Accounts Payable	D															
Address	11451 Katy Fwy Suite 400	Address	c/o ENV-00 Accounts Payable	E															
City/State/Zip	Houston, Tx 77079	City/State/Zip	Houston, Tx 77320-4648	F															
Phone	713-734-3090	Phone	713-646-4610	G															
Fax		Fax		H															
e-Mail Address	christopher.knight@ghd.com	e-Mail Address	harpiana.hudgens@plains.com	I															
				J															
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold		
1	MW-16-20240830	8-30-24	12:50	GW		3	X												
2	MW-15-20240830	8-30-24	12:20	GW															
3	12604537-MW-16-20240829	8-29-24	14:00	GW															
4	DUP-01-20240829	8-29-24		GW															
5	DUP-02-20240829	8-29-24		GW															
6																			
7																			
8																			
9																			
10																			
Sampler(s): Please Print & Sign		Shipment Method:		Required Turnaround Time:		Results Due Date:													
Chris Knight				STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐															
Relinquished by:		Date:	Time:	Received by:		Notes: Please bill direct to Plains All American Pipeline LP.													
Chris Knight		8-30-24	15:30																
Relinquished by:		Date:	Time:	Received by (Laboratory):		Cooler Temp. QC Package: (Check Box Below)													
						Level B: Standard QC ☐ TRRP-Checklist													
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):		Level III: Std QC + Raw Data ☐ TRRP Level IV													
						Level IV: SW846 CLP-Like ☐													
Preservative Key: 1-HCL 2-NH4OH 3-H2SO4 4-HNO3 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-S03S																			
Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.																			
Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Please click the link below for detailed Terms & Conditions:																			
https://www.alsglobal.com/ALSGroupUSACorpTC																			
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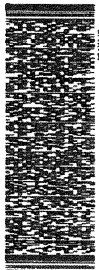
Saturday Delivery



TX-UG

77099

 TM# 6862 6804 6495
 (0001)

 RETURNS MON-SAT
 PRIORITY OVERNIGHT

 FedEx
 Express

 MAIL ROOM
 10450 STANCLIFF ROAD
 SUITE 210
 HOUSTON TX 77099

REF: SAMPLE RECEIVING

 TO
 SAMPLE RECEIVING
 ALS GROUP USA CORP
 10450 STANCLIFF ROAD
 SUITE 210
 HOUSTON TX 77099

 ORIGIN: 10-00000 (432) 804-7948
 PHONE
 2125 E LOOP 250 WEST
 HOUSTON TX 77058

 DATE: 10-01-2025
 TIME: 15:00:00
 DTM: 150001Z

 Must Deliver Next Business Day
 Time and Temperature Sensitive!

 Date Priority Reference: 10450 6862 6495
 TRK: 6862 6495

 Ref: Sample Receiving Date: 10/01/25
 Date: 10/01/25

 SHIPPING:
 0.00
 INSURANCE:
 0.00
 TOTAL:
 0.00

Pmt # 10450-01-1177V EXP 01/25

FedEx

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Express

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15:20



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 03, 2024

Chris Knight
GHDHouston
11451 Katy Freeway
Suite 400
Houston, TX 77079

Work Order: **HS24111403**

Laboratory Results for: **Lovington Gathering WTI SRS #2006**

Dear Chris Knight,

ALS Environmental received 19 sample(s) on Nov 22, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Alexis Dorenbosch

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
Work Order: HS24111403

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24111403-01	12604537-MW-1R-20241121	Groundwater		21-Nov-2024 09:15	22-Nov-2024 09:00	☐
HS24111403-02	12604537-MW-3R-20241120	Groundwater		20-Nov-2024 09:15	22-Nov-2024 09:00	☐
HS24111403-03	12604537-MW-6R-20241121	Groundwater		21-Nov-2024 09:54	22-Nov-2024 09:00	☐
HS24111403-04	12604537-MW-7-20241120	Groundwater		20-Nov-2024 09:45	22-Nov-2024 09:00	☐
HS24111403-05	12604537-MW-9-20241120	Groundwater		20-Nov-2024 11:11	22-Nov-2024 09:00	☐
HS24111403-06	12604537-MW-11-20241121	Groundwater		21-Nov-2024 10:25	22-Nov-2024 09:00	☐
HS24111403-07	12604537-MW-2R-20241120	Groundwater		20-Nov-2024 10:22	22-Nov-2024 09:00	☐
HS24111403-08	12604537-MW-4R-20241121	Groundwater		21-Nov-2024 10:55	22-Nov-2024 09:00	☐
HS24111403-09	12604537-MW-5R-20241121	Groundwater		21-Nov-2024 11:35	22-Nov-2024 09:00	☐
HS24111403-10	12604537-MW-12-20241121	Groundwater		21-Nov-2024 12:25	22-Nov-2024 09:00	☐
HS24111403-11	12604537-MW-13-20241121	Groundwater		21-Nov-2024 13:55	22-Nov-2024 09:00	☐
HS24111403-12	12604537-MW-14-20241121	Groundwater		21-Nov-2024 13:15	22-Nov-2024 09:00	☐
HS24111403-13	12604537-MW-15-20241120	Groundwater		20-Nov-2024 13:00	22-Nov-2024 09:00	☐
HS24111403-14	12604537-MW-16-20241121	Groundwater		21-Nov-2024 08:55	22-Nov-2024 09:00	☐
HS24111403-15	12604537-JWHouseWell-20241120	Groundwater		20-Nov-2024 10:15	22-Nov-2024 09:00	☐
HS24111403-16	12604537-Dup-01-20241121	Groundwater		21-Nov-2024 00:00	22-Nov-2024 09:00	☐
HS24111403-17	12604537-Dup-02-20241121	Groundwater		21-Nov-2024 00:00	22-Nov-2024 09:00	☐
HS24111403-18	Trip Blank	Water	CG-091924-399	20-Nov-2024 00:00	22-Nov-2024 09:00	☐
HS24111403-19	Trip Blank	Water	CG-091924-400	20-Nov-2024 00:00	22-Nov-2024 09:00	☐

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
Work Order: HS24111403

CASE NARRATIVE

GC Semivolatiles by Method RSK-175**Batch ID: R501082,R501208**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260**Batch ID: R501214**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R501098**Sample ID: VLCSW-241123**

- Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.

Metals by Method SW6020A**Batch ID: 221202**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: 221201

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Wet Chemistry by Method E300**Batch ID: R500812****Sample ID: HS24111390-01MS**

- MS/MSD was performed on an unrelated sample.

Batch ID: R500810**Sample ID: HS24110887-06MS**

- MS/MSD was performed on an unrelated sample.

WetChemistry by Method E410.4**Batch ID: R501507**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM5310B**Batch ID: R501180****Sample ID: 12604537-MW-15-20241120 (HS24111403-13MS)**

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
Work Order: HS24111403

CASE NARRATIVE**WetChemistry by Method SM5310B****Batch ID: R501176****Sample ID: 12604537-MW-4R-20241121 (HS24111403-08MS)**

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.

WetChemistry by Method E300**Batch ID: R500812****Sample ID: 12604537-MW-11-20241121 (HS24111403-06MS)**

- The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Sulfate)

Batch ID: R500810**Sample ID: 12604537-MW-15-20241120 (HS24111403-13)**

- Sample was run out of holding time due to limited time.

Sample ID: HS24111308-01MS

- MS and MSD are for an unrelated sample (Nitrogen, Nitrate (As N), Sulfate)

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
Sample ID: 12604537-MW-1R-20241121
Collection Date: 21-Nov-2024 09:15

ANALYTICAL REPORT

WorkOrder:HS24111403
Lab ID:HS24111403-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 15:29
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 15:29
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 15:29
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 15:29
Surr: 1,2-Dichloroethane-d4	107		70-126	%REC	1	24-Nov-2024 15:29
Surr: 4-Bromofluorobenzene	105		77-113	%REC	1	24-Nov-2024 15:29
Surr: Dibromofluoromethane	103		77-123	%REC	1	24-Nov-2024 15:29
Surr: Toluene-d8	96.3		82-127	%REC	1	24-Nov-2024 15:29
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00226		0.000500	mg/L	1	26-Nov-2024 13:10
Ethane	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:10
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:10
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Manganese	0.625		0.00500	mg/L	1	27-Nov-2024 23:54
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:01
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.790		0.100	mg/L	1	22-Nov-2024 16:52
Sulfate	102		5.00	mg/L	10	22-Nov-2024 17:03
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	8.16		1.00	mg/L	1	26-Nov-2024 21:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client:

Project:

Sample ID:

Collection Date:

GHDHouston

Lovington Gathering WTI SRS #2006

12604537-MW-3R-20241120

20-Nov-2024 09:15

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-02

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	0.063		0.0010	mg/L	1	24-Nov-2024 15:53
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 15:53
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 15:53
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 15:53
Surr: 1,2-Dichloroethane-d4	108		70-126	%REC	1	24-Nov-2024 15:53
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	24-Nov-2024 15:53
Surr: Dibromofluoromethane	102		77-123	%REC	1	24-Nov-2024 15:53
Surr: Toluene-d8	96.7		82-127	%REC	1	24-Nov-2024 15:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-6R-20241121
 Collection Date: 21-Nov-2024 09:54

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-03
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 16:17
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 16:17
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 16:17
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 16:17
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	1	24-Nov-2024 16:17
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	24-Nov-2024 16:17
Surr: Dibromofluoromethane	101		77-123	%REC	1	24-Nov-2024 16:17
Surr: Toluene-d8	96.0		82-127	%REC	1	24-Nov-2024 16:17
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00742		0.000500	mg/L	1	26-Nov-2024 13:23
Ethane	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:23
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:23
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Manganese	0.00817		0.00500	mg/L	1	27-Nov-2024 23:32
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 16:11
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	3.11		0.100	mg/L	1	22-Nov-2024 16:58
Sulfate	105		5.00	mg/L	10	22-Nov-2024 17:09
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	2.74		1.00	mg/L	1	26-Nov-2024 21:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston

Project: Lovington Gathering WTI SRS #2006

Sample ID: 12604537-MW-7-20241120

Collection Date: 20-Nov-2024 09:45

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-04

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	0.0058		0.0010	mg/L	1	24-Nov-2024 16:41
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 16:41
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 16:41
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 16:41
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	1	24-Nov-2024 16:41
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	24-Nov-2024 16:41
Surr: Dibromofluoromethane	99.7		77-123	%REC	1	24-Nov-2024 16:41
Surr: Toluene-d8	98.1		82-127	%REC	1	24-Nov-2024 16:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:12604537-MW-9-20241120

Collection Date:20-Nov-2024 11:11

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-05

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:05
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:05
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:05
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 17:05
Surr: 1,2-Dichloroethane-d4	104		70-126	%REC	1	24-Nov-2024 17:05
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	24-Nov-2024 17:05
Surr: Dibromofluoromethane	102		77-123	%REC	1	24-Nov-2024 17:05
Surr: Toluene-d8	95.3		82-127	%REC	1	24-Nov-2024 17:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-11-20241121
 Collection Date: 21-Nov-2024 10:25

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-06
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:28
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:28
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:28
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 17:28
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	1	24-Nov-2024 17:28
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 17:28
Surr: Dibromofluoromethane	102		77-123	%REC	1	24-Nov-2024 17:28
Surr: Toluene-d8	98.3		82-127	%REC	1	24-Nov-2024 17:28
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00207		0.000500	mg/L	1	26-Nov-2024 13:34
Ethane	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:34
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 13:34
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Manganese	0.0521		0.00500	mg/L	1	27-Nov-2024 23:56
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:03
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	7.86		0.100	mg/L	1	22-Nov-2024 17:15
Sulfate	154		2.50	mg/L	5	22-Nov-2024 18:43
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	4.41		1.00	mg/L	1	26-Nov-2024 21:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:12604537-MW-2R-20241120

Collection Date:20-Nov-2024 10:22

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-07

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:52
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:52
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 17:52
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 17:52
Surr: 1,2-Dichloroethane-d4	106		70-126	%REC	1	24-Nov-2024 17:52
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 17:52
Surr: Dibromofluoromethane	102		77-123	%REC	1	24-Nov-2024 17:52
Surr: Toluene-d8	97.2		82-127	%REC	1	24-Nov-2024 17:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-4R-20241121
 Collection Date: 21-Nov-2024 10:55

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-08
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	0.013		0.0010	mg/L	1	24-Nov-2024 18:16
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 18:16
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 18:16
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 18:16
Surr: 1,2-Dichloroethane-d4	112		70-126	%REC	1	24-Nov-2024 18:16
Surr: 4-Bromofluorobenzene	106		77-113	%REC	1	24-Nov-2024 18:16
Surr: Dibromofluoromethane	103		77-123	%REC	1	24-Nov-2024 18:16
Surr: Toluene-d8	98.1		82-127	%REC	1	24-Nov-2024 18:16
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0384		0.00100	mg/L	2	26-Nov-2024 17:02
Ethane	0.0237		0.00100	mg/L	1	26-Nov-2024 15:00
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 15:00
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Manganese	0.485		0.00500	mg/L	1	27-Nov-2024 23:58
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:05
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	< 0.100		0.100	mg/L	1	22-Nov-2024 17:33
Sulfate	62.7		0.500	mg/L	1	22-Nov-2024 17:33
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	20.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	19.8		1.00	mg/L	1	26-Nov-2024 22:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-5R-20241121
 Collection Date: 21-Nov-2024 11:35

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-09
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: FT
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 18:40
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 18:40
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 18:40
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 18:40
Surr: 1,2-Dichloroethane-d4	106		70-126	%REC	1	24-Nov-2024 18:40
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 18:40
Surr: Dibromofluoromethane	101		77-123	%REC	1	24-Nov-2024 18:40
Surr: Toluene-d8	97.4		82-127	%REC	1	24-Nov-2024 18:40
DISSOLVED GASES BY RSK-175		Method:RSK-175				Analyst: RG
Methane	0.00145		0.000500	mg/L	1	26-Nov-2024 15:19
Ethane	< 0.00100		0.00100	mg/L	1	26-Nov-2024 15:19
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 15:19
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Manganese	0.383		0.00500	mg/L	1	28-Nov-2024 00:00
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:07
ANIONS BY E300.0, REV 2.1, 1993		Method:E300				Analyst: TH
Nitrogen, Nitrate (As N)	4.25		0.100	mg/L	1	22-Nov-2024 17:39
Sulfate	52.6		0.500	mg/L	1	22-Nov-2024 17:39
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4				Analyst: JAC
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B				Analyst: JAC
Organic Carbon, Total	8.66		1.00	mg/L	1	26-Nov-2024 22:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-12-20241121
 Collection Date: 21-Nov-2024 12:25

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-10
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP		
Benzene	2.0		0.050	mg/L	50	27-Nov-2024 13:51
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:04
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:04
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 19:04
Surr: 1,2-Dichloroethane-d4	108		70-126	%REC	1	24-Nov-2024 19:04
Surr: 1,2-Dichloroethane-d4	102		70-126	%REC	50	27-Nov-2024 13:51
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 19:04
Surr: 4-Bromofluorobenzene	98.1		77-113	%REC	50	27-Nov-2024 13:51
Surr: Dibromofluoromethane	101		77-123	%REC	1	24-Nov-2024 19:04
Surr: Dibromofluoromethane	103		77-123	%REC	50	27-Nov-2024 13:51
Surr: Toluene-d8	96.1		82-127	%REC	1	24-Nov-2024 19:04
Surr: Toluene-d8	101		82-127	%REC	50	27-Nov-2024 13:51
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0263		0.000500	mg/L	1	26-Nov-2024 15:33
Ethane	0.0124		0.00100	mg/L	1	26-Nov-2024 15:33
Ethene	< 0.00100		0.00100	mg/L	1	26-Nov-2024 15:33
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Manganese	0.0801		0.00500	mg/L	1	28-Nov-2024 00:02
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:09
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	< 0.100		0.100	mg/L	1	22-Nov-2024 18:20
Sulfate	73.0		0.500	mg/L	1	22-Nov-2024 18:20
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	8.08		1.00	mg/L	1	26-Nov-2024 23:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-13-20241121
 Collection Date: 21-Nov-2024 13:55

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-11
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	0.0093		0.0010	mg/L	1	24-Nov-2024 19:28
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:28
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:28
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 19:28
Surr: 1,2-Dichloroethane-d4	110		70-126	%REC	1	24-Nov-2024 19:28
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	24-Nov-2024 19:28
Surr: Dibromofluoromethane	101		77-123	%REC	1	24-Nov-2024 19:28
Surr: Toluene-d8	95.9		82-127	%REC	1	24-Nov-2024 19:28
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0150		0.000500	mg/L	1	27-Nov-2024 14:09
Ethane	0.00250		0.00100	mg/L	1	27-Nov-2024 14:09
Ethene	< 0.00100		0.00100	mg/L	1	27-Nov-2024 14:09
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Manganese	0.0731		0.00500	mg/L	1	28-Nov-2024 00:10
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 17:11
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.264		0.100	mg/L	1	22-Nov-2024 18:25
Sulfate	59.4		0.500	mg/L	1	22-Nov-2024 18:25
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	6.97		1.00	mg/L	1	26-Nov-2024 23:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-14-20241121
 Collection Date: 21-Nov-2024 13:15

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-12
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	0.14		0.0010	mg/L	1	24-Nov-2024 19:52
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:52
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 19:52
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 19:52
Surr: 1,2-Dichloroethane-d4	103		70-126	%REC	1	24-Nov-2024 19:52
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 19:52
Surr: Dibromofluoromethane	99.8		77-123	%REC	1	24-Nov-2024 19:52
Surr: Toluene-d8	96.9		82-127	%REC	1	24-Nov-2024 19:52
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0524		0.00100	mg/L	2	27-Nov-2024 14:47
Ethane	0.0253		0.00100	mg/L	1	27-Nov-2024 14:17
Ethene	< 0.00100		0.00100	mg/L	1	27-Nov-2024 14:17
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Manganese	0.0737		0.00500	mg/L	1	28-Nov-2024 00:12
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 16:56
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.300		0.100	mg/L	1	22-Nov-2024 18:31
Sulfate	61.0		0.500	mg/L	1	22-Nov-2024 18:31
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	17.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	8.12		1.00	mg/L	1	27-Nov-2024 01:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
 Project: Lovington Gathering WTI SRS #2006
 Sample ID: 12604537-MW-15-20241120
 Collection Date: 20-Nov-2024 13:00

ANALYTICAL REPORT

WorkOrder:HS24111403
 Lab ID:HS24111403-13
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP		
Benzene	1.0		0.050	mg/L	50	27-Nov-2024 14:12
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 20:16
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 20:16
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 20:16
Surr: 1,2-Dichloroethane-d4	109		70-126	%REC	1	24-Nov-2024 20:16
Surr: 1,2-Dichloroethane-d4	99.9		70-126	%REC	50	27-Nov-2024 14:12
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	24-Nov-2024 20:16
Surr: 4-Bromofluorobenzene	99.7		77-113	%REC	50	27-Nov-2024 14:12
Surr: Dibromofluoromethane	99.3		77-123	%REC	1	24-Nov-2024 20:16
Surr: Dibromofluoromethane	99.1		77-123	%REC	50	27-Nov-2024 14:12
Surr: Toluene-d8	96.2		82-127	%REC	1	24-Nov-2024 20:16
Surr: Toluene-d8	101		82-127	%REC	50	27-Nov-2024 14:12
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.0162		0.000500	mg/L	1	27-Nov-2024 14:25
Ethane	0.0124		0.00100	mg/L	1	27-Nov-2024 14:25
Ethene	< 0.00100		0.00100	mg/L	1	27-Nov-2024 14:25
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Manganese	0.0330		0.00500	mg/L	1	28-Nov-2024 00:14
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024 Analyst: JC		
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 16:57
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	0.675	H	0.100	mg/L	1	22-Nov-2024 14:09
Sulfate	77.7		0.500	mg/L	1	22-Nov-2024 14:09
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	17.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	8.50		1.00	mg/L	1	27-Nov-2024 01:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
Sample ID: 12604537-MW-16-20241121
Collection Date: 21-Nov-2024 08:55

ANALYTICAL REPORT

WorkOrder:HS24111403
Lab ID:HS24111403-14
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 20:40
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 20:40
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 20:40
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 20:40
Surr: 1,2-Dichloroethane-d4	108		70-126	%REC	1	24-Nov-2024 20:40
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	24-Nov-2024 20:40
Surr: Dibromofluoromethane	102		77-123	%REC	1	24-Nov-2024 20:40
Surr: Toluene-d8	95.5		82-127	%REC	1	24-Nov-2024 20:40
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Methane	0.00246		0.000500	mg/L	1	27-Nov-2024 14:39
Ethane	< 0.00100		0.00100	mg/L	1	27-Nov-2024 14:39
Ethene	< 0.00100		0.00100	mg/L	1	27-Nov-2024 14:39
ICP-MS METALS BY SW6020A		Method:SW6020A		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Manganese	0.0180		0.00500	mg/L	1	28-Nov-2024 00:16
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 27-Nov-2024		Analyst: JC
Iron	< 0.200		0.200	mg/L	1	27-Nov-2024 16:59
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH		
Nitrogen, Nitrate (As N)	2.90		0.100	mg/L	1	22-Nov-2024 18:37
Sulfate	121		2.50	mg/L	5	22-Nov-2024 21:26
CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993		Method:E410.4		Analyst: JAC		
Chemical Oxygen Demand	< 15.0		15.0	mg/L	1	03-Dec-2024 14:50
TOTAL ORGANIC CARBON - SM5310B-2011		Method:SM5310B		Analyst: JAC		
Organic Carbon, Total	3.42		1.00	mg/L	1	27-Nov-2024 01:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston

Project: Lovington Gathering WTI SRS #2006

Sample ID: 12604537-JWHouseWell-20241120

Collection Date: 20-Nov-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24111403
Lab ID:HS24111403-15
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:04
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:04
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:04
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 21:04
Surr: 1,2-Dichloroethane-d4	107		70-126	%REC	1	24-Nov-2024 21:04
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	24-Nov-2024 21:04
Surr: Dibromofluoromethane	104		77-123	%REC	1	24-Nov-2024 21:04
Surr: Toluene-d8	96.7		82-127	%REC	1	24-Nov-2024 21:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:12604537-Dup-01-20241121

Collection Date:21-Nov-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-16

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:28
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:28
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:28
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 21:28
Surr: 1,2-Dichloroethane-d4	109		70-126	%REC	1	24-Nov-2024 21:28
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 21:28
Surr: Dibromofluoromethane	99.9		77-123	%REC	1	24-Nov-2024 21:28
Surr: Toluene-d8	95.6		82-127	%REC	1	24-Nov-2024 21:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:12604537-Dup-02-20241121

Collection Date:21-Nov-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-17

Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP		
Benzene	1.0		0.050	mg/L	50	27-Nov-2024 14:33
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:52
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 21:52
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 21:52
Surr: 1,2-Dichloroethane-d4	117		70-126	%REC	1	24-Nov-2024 21:52
Surr: 1,2-Dichloroethane-d4	99.0		70-126	%REC	50	27-Nov-2024 14:33
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 21:52
Surr: 4-Bromofluorobenzene	98.9		77-113	%REC	50	27-Nov-2024 14:33
Surr: Dibromofluoromethane	104		77-123	%REC	1	24-Nov-2024 21:52
Surr: Dibromofluoromethane	97.5		77-123	%REC	50	27-Nov-2024 14:33
Surr: Toluene-d8	96.1		82-127	%REC	1	24-Nov-2024 21:52
Surr: Toluene-d8	99.1		82-127	%REC	50	27-Nov-2024 14:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:Trip Blank

Collection Date:20-Nov-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-18

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:17
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:17
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:17
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 14:17
Surr: 1,2-Dichloroethane-d4	107		70-126	%REC	1	24-Nov-2024 14:17
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	24-Nov-2024 14:17
Surr: Dibromofluoromethane	103		77-123	%REC	1	24-Nov-2024 14:17
Surr: Toluene-d8	96.1		82-127	%REC	1	24-Nov-2024 14:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 03-Dec-24

Client:GHDHouston

Project:Lovington Gathering WTI SRS #2006

Sample ID:Trip Blank

Collection Date:20-Nov-2024 00:00

ANALYTICAL REPORT

WorkOrder:HS24111403

Lab ID:HS24111403-19

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT		
Benzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:41
Ethylbenzene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:41
Toluene	< 0.0010		0.0010	mg/L	1	24-Nov-2024 14:41
Xylenes, Total	< 0.0030		0.0030	mg/L	1	24-Nov-2024 14:41
Surr: 1,2-Dichloroethane-d4	105		70-126	%REC	1	24-Nov-2024 14:41
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	24-Nov-2024 14:41
Surr: Dibromofluoromethane	101		77-123	%REC	1	24-Nov-2024 14:41
Surr: Toluene-d8	97.4		82-127	%REC	1	24-Nov-2024 14:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

Batch ID: 221027	Start Date: 22 Nov 2024 17:30	End Date: 22 Nov 2024 17:30
Method: SAMPLE FILTRATION - 0.45 MICRON FILTER	Prep Code: FILTRATION	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24111403-01		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-03		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-06		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-08		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-09		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-10		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-11		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-12		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-13		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-14		100 (mL)	100 (mL)	1	12mL Nalgene Neat Plastic

Batch ID: 221201	Start Date: 27 Nov 2024 10:00	End Date: 27 Nov 2024 10:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24111403-01		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-03		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-06		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-08		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-09		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-10		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-11		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-12		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-13		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic
HS24111403-14		10 (mL)	10 (mL)	1	12mL Nalgene Neat Plastic

Batch ID: 221202	Start Date: 27 Nov 2024 10:30	End Date: 27 Nov 2024 10:30
Method: WATER - SW3010A	Prep Code: 3010A	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24111403-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-06		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-08		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-09		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-10		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-11		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-12		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-13		10 (mL)	10 (mL)	1	120 plastic HNO3
HS24111403-14		10 (mL)	10 (mL)	1	120 plastic HNO3

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 221201 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15		27 Nov 2024 10:00	27 Nov 2024 17:01	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54		27 Nov 2024 10:00	27 Nov 2024 16:11	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25		27 Nov 2024 10:00	27 Nov 2024 17:03	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55		27 Nov 2024 10:00	27 Nov 2024 17:05	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35		27 Nov 2024 10:00	27 Nov 2024 17:07	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25		27 Nov 2024 10:00	27 Nov 2024 17:09	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55		27 Nov 2024 10:00	27 Nov 2024 17:11	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15		27 Nov 2024 10:00	27 Nov 2024 16:56	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00		27 Nov 2024 10:00	27 Nov 2024 16:57	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55		27 Nov 2024 10:00	27 Nov 2024 16:59	1
Batch ID: 221202 (0)		Test Name : ICP-MS METALS BY SW6020A			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15		27 Nov 2024 10:30	27 Nov 2024 23:54	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54		27 Nov 2024 10:30	27 Nov 2024 23:32	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25		27 Nov 2024 10:30	27 Nov 2024 23:56	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55		27 Nov 2024 10:30	27 Nov 2024 23:58	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35		27 Nov 2024 10:30	28 Nov 2024 00:00	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25		27 Nov 2024 10:30	28 Nov 2024 00:02	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55		27 Nov 2024 10:30	28 Nov 2024 00:10	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15		27 Nov 2024 10:30	28 Nov 2024 00:12	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00		27 Nov 2024 10:30	28 Nov 2024 00:14	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55		27 Nov 2024 10:30	28 Nov 2024 00:16	1
Batch ID: R500810 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			22 Nov 2024 17:03	10
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			22 Nov 2024 16:52	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			22 Nov 2024 17:09	10
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			22 Nov 2024 16:58	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			22 Nov 2024 14:09	1
Batch ID: R500812 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Groundwater	
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			22 Nov 2024 18:43	5
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			22 Nov 2024 17:15	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			22 Nov 2024 17:33	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35			22 Nov 2024 17:39	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			22 Nov 2024 18:20	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55			22 Nov 2024 18:25	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			22 Nov 2024 18:31	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			22 Nov 2024 21:26	5
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			22 Nov 2024 18:37	1

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R501082 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			26 Nov 2024 13:10	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			26 Nov 2024 13:23	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			26 Nov 2024 13:34	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			26 Nov 2024 17:02	2
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			26 Nov 2024 15:00	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35			26 Nov 2024 15:19	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			26 Nov 2024 15:33	1
Batch ID: R501098 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS24111403-18	Trip Blank	20 Nov 2024 00:00			24 Nov 2024 14:17	1
HS24111403-19	Trip Blank	20 Nov 2024 00:00			24 Nov 2024 14:41	1
Batch ID: R501098 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			24 Nov 2024 15:29	1
HS24111403-02	12604537-MW-3R-20241120	20 Nov 2024 09:15			24 Nov 2024 15:53	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			24 Nov 2024 16:17	1
HS24111403-04	12604537-MW-7-20241120	20 Nov 2024 09:45			24 Nov 2024 16:41	1
HS24111403-05	12604537-MW-9-20241120	20 Nov 2024 11:11			24 Nov 2024 17:05	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			24 Nov 2024 17:28	1
HS24111403-07	12604537-MW-2R-20241120	20 Nov 2024 10:22			24 Nov 2024 17:52	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			24 Nov 2024 18:16	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35			24 Nov 2024 18:40	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			24 Nov 2024 19:04	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55			24 Nov 2024 19:28	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			24 Nov 2024 19:52	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			24 Nov 2024 20:16	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			24 Nov 2024 20:40	1
HS24111403-15	12604537-JWHouseWell-20241120	20 Nov 2024 10:15			24 Nov 2024 21:04	1
HS24111403-16	12604537-Dup-01-20241121	21 Nov 2024 00:00			24 Nov 2024 21:28	1
HS24111403-17	12604537-Dup-02-20241121	21 Nov 2024 00:00			24 Nov 2024 21:52	1
Batch ID: R501176 (0)		Test Name : TOTAL ORGANIC CARBON - SM5310B-2011			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			26 Nov 2024 21:17	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			26 Nov 2024 21:30	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			26 Nov 2024 21:42	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			26 Nov 2024 22:35	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35			26 Nov 2024 22:49	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			26 Nov 2024 23:02	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55			26 Nov 2024 23:25	1

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R501180 (0)		Test Name : TOTAL ORGANIC CARBON - SM5310B-2011			Matrix: Groundwater	
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			27 Nov 2024 01:13	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			27 Nov 2024 01:26	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			27 Nov 2024 01:52	1
Batch ID: R501208 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Groundwater	
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55			27 Nov 2024 14:09	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			27 Nov 2024 14:47	2
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			27 Nov 2024 14:17	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			27 Nov 2024 14:25	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			27 Nov 2024 14:39	1
Batch ID: R501214 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			27 Nov 2024 13:51	50
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			27 Nov 2024 14:12	50
HS24111403-17	12604537-Dup-02-20241121	21 Nov 2024 00:00			27 Nov 2024 14:33	50
Batch ID: R501507 (0)		Test Name : CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993			Matrix: Groundwater	
HS24111403-01	12604537-MW-1R-20241121	21 Nov 2024 09:15			03 Dec 2024 14:50	1
HS24111403-03	12604537-MW-6R-20241121	21 Nov 2024 09:54			03 Dec 2024 14:50	1
HS24111403-06	12604537-MW-11-20241121	21 Nov 2024 10:25			03 Dec 2024 14:50	1
HS24111403-08	12604537-MW-4R-20241121	21 Nov 2024 10:55			03 Dec 2024 14:50	1
HS24111403-09	12604537-MW-5R-20241121	21 Nov 2024 11:35			03 Dec 2024 14:50	1
HS24111403-10	12604537-MW-12-20241121	21 Nov 2024 12:25			03 Dec 2024 14:50	1
HS24111403-11	12604537-MW-13-20241121	21 Nov 2024 13:55			03 Dec 2024 14:50	1
HS24111403-12	12604537-MW-14-20241121	21 Nov 2024 13:15			03 Dec 2024 14:50	1
HS24111403-13	12604537-MW-15-20241120	20 Nov 2024 13:00			03 Dec 2024 14:50	1
HS24111403-14	12604537-MW-16-20241121	21 Nov 2024 08:55			03 Dec 2024 14:50	1

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501082 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241126	Units: ug/L		Analysis Date: 26-Nov-2024 09:49					
Client ID:	Run ID: FID-4_501082		SeqNo: 8553762		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	< 1.00	1.00							
Ethene	< 1.00	1.00							
Methane	< 0.500	0.500							

LCS	Sample ID: LCS-241126	Units: ug/L		Analysis Date: 26-Nov-2024 09:57					
Client ID:	Run ID: FID-4_501082		SeqNo: 8553763		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.3	1.00	18.04	0	95.9	75 - 125			
Ethene	13.87	1.00	16.8	0	82.6	75 - 125			
Methane	9.35	0.500	9.647	0	96.9	75 - 125			

LCSD	Sample ID: LCSD-241126	Units: ug/L		Analysis Date: 26-Nov-2024 10:07					
Client ID:	Run ID: FID-4_501082		SeqNo: 8553764		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.3	1.00	18.04	0	90.3	75 - 125	17.3	5.99	30
Ethene	13.78	1.00	16.8	0	82.0	75 - 125	13.87	0.63	30
Methane	9.523	0.500	9.647	0	98.7	75 - 125	9.35	1.84	30

The following samples were analyzed in this batch:

HS24111403-01	HS24111403-03	HS24111403-06	HS24111403-08
HS24111403-09	HS24111403-10		

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501208 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241127	Units: ug/L		Analysis Date: 27-Nov-2024 11:45					
Client ID:	Run ID: FID-4_501208		SeqNo: 8556752		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	< 1.00	1.00							
Ethene	< 1.00	1.00							
Methane	< 0.500	0.500							

LCS	Sample ID: LCS-241127	Units: ug/L		Analysis Date: 27-Nov-2024 11:56					
Client ID:	Run ID: FID-4_501208		SeqNo: 8557262		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.94	1.00	18.04	0	93.9	75 - 125			
Ethene	16.79	1.00	16.8	0	100.0	75 - 125			
Methane	9.772	0.500	9.647	0	101	75 - 125			

LCSD	Sample ID: LCSD-241127	Units: ug/L		Analysis Date: 27-Nov-2024 12:04					
Client ID:	Run ID: FID-4_501208		SeqNo: 8557263		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.81	1.00	18.04	0	93.1	75 - 125	16.94	0.815	30
Ethene	16.76	1.00	16.8	0	99.8	75 - 125	16.79	0.19	30
Methane	9.99	0.500	9.647	0	104	75 - 125	9.772	2.2	30

The following samples were analyzed in this batch:

HS24111403-11	HS24111403-12	HS24111403-13	HS24111403-14
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ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: 221201 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
MBLK	Sample ID: MBLKF1-221201	Units: mg/L		Analysis Date: 27-Nov-2024 16:03						
Client ID:	Run ID: ICPMS06_501203		SeqNo: 8557925		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	< 0.200	0.200								
MBLK	Sample ID: MBLK-221201	Units: mg/L		Analysis Date: 27-Nov-2024 16:01						
Client ID:	Run ID: ICPMS06_501203		SeqNo: 8557924		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	< 0.200	0.200								
LCS	Sample ID: LCS-221201	Units: mg/L		Analysis Date: 27-Nov-2024 16:05						
Client ID:	Run ID: ICPMS06_501203		SeqNo: 8557926		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	4.666	0.200	5	0	93.3	80 - 120				
MS	Sample ID: HS24111403-03MS	Units: mg/L		Analysis Date: 27-Nov-2024 16:13						
Client ID: 12604537-MW-6R-20241121	Run ID: ICPMS06_501203		SeqNo: 8557930		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	4.479	0.200	5	0.001151	89.6	75 - 125				
MSD	Sample ID: HS24111403-03MSD	Units: mg/L		Analysis Date: 27-Nov-2024 16:15						
Client ID: 12604537-MW-6R-20241121	Run ID: ICPMS06_501203		SeqNo: 8557931		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	4.642	0.200	5	0.001151	92.8	75 - 125	4.479	3.56	20	
PDS	Sample ID: HS24111403-03PDS	Units: mg/L		Analysis Date: 27-Nov-2024 16:16						
Client ID: 12604537-MW-6R-20241121	Run ID: ICPMS06_501203		SeqNo: 8557932		PrepDate: 27-Nov-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	RPD Qual
Iron	9.145	0.200	10	0.001151	91.4	75 - 125				

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston

Project: Lovington Gathering WTI SRS #2006

WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: 221201 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)	
SD	Sample ID: HS24111403-03SD	Units: mg/L		Analysis Date: 27-Nov-2024 16:06	
Client ID: 12604537-MW-6R-20241121	Run ID: ICPMS06_501203		SeqNo: 8557927	PrepDate: 27-Nov-2024	DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %D %D Limit Qual
Iron	< 1.00	1.00			0.001151 0 10
The following samples were analyzed in this batch:					
		HS24111403-01	HS24111403-03	HS24111403-06	HS24111403-08
		HS24111403-09	HS24111403-10	HS24111403-11	HS24111403-12
		HS24111403-13	HS24111403-14		

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: 221202 (0)		Instrument: ICPMS06		Method: ICP-MS METALS BY SW6020A					
MBLK	Sample ID: MBLK-221202	Units: mg/L		Analysis Date: 27-Nov-2024 23:28					
Client ID:		Run ID: ICPMS06_501203		SeqNo: 8559350		PrepDate: 27-Nov-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Manganese	< 0.00500	0.00500							
LCS	Sample ID: LCS-221202	Units: mg/L		Analysis Date: 27-Nov-2024 23:30					
Client ID:		Run ID: ICPMS06_501203		SeqNo: 8559351		PrepDate: 27-Nov-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Manganese	0.04381	0.00500	0.05	0	87.6	80 - 120			
MS	Sample ID: HS24111403-03MS	Units: mg/L		Analysis Date: 27-Nov-2024 23:36					
Client ID: 12604537-MW-6R-20241121		Run ID: ICPMS06_501203		SeqNo: 8559354		PrepDate: 27-Nov-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Manganese	0.04976	0.00500	0.05	0.008171	83.2	80 - 120			
MSD	Sample ID: HS24111403-03MSD	Units: mg/L		Analysis Date: 27-Nov-2024 23:38					
Client ID: 12604537-MW-6R-20241121		Run ID: ICPMS06_501203		SeqNo: 8559355		PrepDate: 27-Nov-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Manganese	0.05073	0.00500	0.05	0.008171	85.1	80 - 120	0.04976	1.93	20
PDS	Sample ID: HS24111403-03PDS	Units: mg/L		Analysis Date: 27-Nov-2024 23:40					
Client ID: 12604537-MW-6R-20241121		Run ID: ICPMS06_501203		SeqNo: 8559356		PrepDate: 27-Nov-2024		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Manganese	0.09497	0.00500	0.1	0.008171	86.8	75 - 125			
SD	Sample ID: HS24111403-03SD	Units: mg/L		Analysis Date: 27-Nov-2024 23:34					
Client ID: 12604537-MW-6R-20241121		Run ID: ICPMS06_501203		SeqNo: 8559353		PrepDate: 27-Nov-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Manganese	0.008244	0.0250					0.008171	0	10
The following samples were analyzed in this batch:		HS24111403-01		HS24111403-03		HS24111403-06		HS24111403-08	
		HS24111403-09		HS24111403-10		HS24111403-11		HS24111403-12	
		HS24111403-13		HS24111403-14					

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501098 (0)		Instrument: VOA14		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-241123	Units: ug/L		Analysis Date: 24-Nov-2024 13:53					
Client ID:	Run ID: VOA14_501098	SeqNo: 8554155		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Ethylbenzene	< 1.0	1.0							
Toluene	< 1.0	1.0							
Xylenes, Total	< 3.0	3.0							
Surr: 1,2-Dichloroethane-d4	51.29	1.0	50	0	103	70 - 123			
Surr: 4-Bromofluorobenzene	51.91	1.0	50	0	104	77 - 113			
Surr: Dibromofluoromethane	50.07	1.0	50	0	100	73 - 126			
Surr: Toluene-d8	48.75	1.0	50	0	97.5	81 - 120			

LCS	Sample ID: VLCSW-241123	Units: ug/L		Analysis Date: 24-Nov-2024 12:41					
Client ID:	Run ID: VOA14_501098	SeqNo: 8554153		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.89	1.0	20	0	99.5	74 - 120			
Ethylbenzene	20.23	1.0	20	0	101	77 - 117			
Toluene	19.3	1.0	20	0	96.5	77 - 118			
Xylenes, Total	59.75	3.0	60	0	99.6	75 - 122			
Surr: 1,2-Dichloroethane-d4	52.59	1.0	50	0	105	70 - 123			
Surr: 4-Bromofluorobenzene	50.24	1.0	50	0	100	77 - 113			
Surr: Dibromofluoromethane	51.22	1.0	50	0	102	73 - 126			
Surr: Toluene-d8	49.57	1.0	50	0	99.1	81 - 120			

LCSD	Sample ID: VLCSDW-241123	Units: ug/L		Analysis Date: 24-Nov-2024 13:05					
Client ID:	Run ID: VOA14_501098	SeqNo: 8554154		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.58	1.0	20	0	92.9	74 - 120	19.89	6.85	20
Ethylbenzene	18.21	1.0	20	0	91.1	77 - 117	20.23	10.5	20
Toluene	17.76	1.0	20	0	88.8	77 - 118	19.3	8.29	20
Xylenes, Total	55.23	3.0	60	0	92.0	75 - 122	59.75	7.87	20
Surr: 1,2-Dichloroethane-d4	52.47	1.0	50	0	105	70 - 123	52.59	0.226	20
Surr: 4-Bromofluorobenzene	50.62	1.0	50	0	101	77 - 113	50.24	0.752	20
Surr: Dibromofluoromethane	50.86	1.0	50	0	102	73 - 126	51.22	0.697	20
Surr: Toluene-d8	49.5	1.0	50	0	99.0	81 - 120	49.57	0.154	20

ALS Houston, US

Date: 03-Dec-24

Client:

Project:

WorkOrder:

GHDHouston
Lovington Gathering WTI SRS #2006
HS24111403

QC BATCH REPORT

Batch ID: R501098 (0)	Instrument: VOA14	Method: LOW LEVEL VOLATILES BY SW8260C		
The following samples were analyzed in this batch:	HS24111403-01	HS24111403-02	HS24111403-03	HS24111403-04
	HS24111403-05	HS24111403-06	HS24111403-07	HS24111403-08
	HS24111403-09	HS24111403-10	HS24111403-11	HS24111403-12
	HS24111403-13	HS24111403-14	HS24111403-15	HS24111403-16
	HS24111403-17	HS24111403-18	HS24111403-19	

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501214 (0)		Instrument: VOA6		Method: LOW LEVEL VOLATILES BY SW8260C					
MBLK	Sample ID: VBLKW-241127	Units: ug/L		Analysis Date: 27-Nov-2024 11:43					
Client ID:	Run ID: VOA6_501214	SeqNo: 8556876		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 1.0	1.0							
Surr: 1,2-Dichloroethane-d4	49.92	1.0	50	0	99.8	70 - 123			
Surr: 4-Bromofluorobenzene	51.86	1.0	50	0	104	77 - 113			
Surr: Dibromofluoromethane	50.64	1.0	50	0	101	73 - 126			
Surr: Toluene-d8	47.11	1.0	50	0	94.2	81 - 120			

LCS	Sample ID: VLCSW-241127	Units: ug/L		Analysis Date: 27-Nov-2024 10:39					
Client ID:	Run ID: VOA6_501214	SeqNo: 8556874		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.12	1.0	20	0	95.6	74 - 120			
Surr: 1,2-Dichloroethane-d4	50.13	1.0	50	0	100	70 - 123			
Surr: 4-Bromofluorobenzene	50.38	1.0	50	0	101	77 - 113			
Surr: Dibromofluoromethane	51.12	1.0	50	0	102	73 - 126			
Surr: Toluene-d8	50.1	1.0	50	0	100	81 - 120			

LCSD	Sample ID: VLCSDW-241127	Units: ug/L		Analysis Date: 27-Nov-2024 11:00					
Client ID:	Run ID: VOA6_501214	SeqNo: 8556875		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.74	1.0	20	0	88.7	74 - 120	19.12	7.49	20
Surr: 1,2-Dichloroethane-d4	49.75	1.0	50	0	99.5	70 - 123	50.13	0.745	20
Surr: 4-Bromofluorobenzene	50.29	1.0	50	0	101	77 - 113	50.38	0.169	20
Surr: Dibromofluoromethane	50.42	1.0	50	0	101	73 - 126	51.12	1.38	20
Surr: Toluene-d8	48.49	1.0	50	0	97.0	81 - 120	50.1	3.26	20

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501214 (0)		Instrument: VOA6		Method: LOW LEVEL VOLATILES BY SW8260C					
MS		Sample ID: HS24111412-01MS		Units: ug/L		Analysis Date: 27-Nov-2024 17:05			
Client ID:		Run ID: VOA6_501214		SeqNo: 8559223		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.94	1.0	20	0	99.7	70 - 127			
Surr: 1,2-Dichloroethane-d4	50.75	1.0	50	0	101	70 - 126			
Surr: 4-Bromofluorobenzene	49.04	1.0	50	0	98.1	77 - 113			
Surr: Dibromofluoromethane	50.08	1.0	50	0	100	77 - 123			
Surr: Toluene-d8	49.68	1.0	50	0	99.4	82 - 127			

MSD		Sample ID: HS24111412-01MSD		Units: ug/L		Analysis Date: 27-Nov-2024 17:26			
Client ID:		Run ID: VOA6_501214		SeqNo: 8559224		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	21.05	1.0	20	0	105	70 - 127	19.94	5.42	20
Surr: 1,2-Dichloroethane-d4	49.4	1.0	50	0	98.8	70 - 126	50.75	2.69	20
Surr: 4-Bromofluorobenzene	49.5	1.0	50	0	99.0	77 - 113	49.04	0.938	20
Surr: Dibromofluoromethane	50.17	1.0	50	0	100	77 - 123	50.08	0.188	20
Surr: Toluene-d8	49.48	1.0	50	0	99.0	82 - 127	49.68	0.399	20

The following samples were analyzed in this batch:

HS24111403-10	HS24111403-13	HS24111403-17
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ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R500810 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 22-Nov-2024 12:24					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547515		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	< 0.100	0.100							
Sulfate	< 0.500	0.500							

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 22-Nov-2024 12:53					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547516		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	3.871	0.100	4	0	96.8	90 - 110			
Sulfate	20.08	0.500	20	0	100	90 - 110			

MS	Sample ID: HS24111308-01MS	Units: mg/L		Analysis Date: 22-Nov-2024 13:04					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547518		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	20.1	0.100	2	17.49	131	80 - 120			SEO
Sulfate	57.63	0.500	10	52.94	46.9	80 - 120			SO

MS	Sample ID: HS24110887-06MS	Units: mg/L		Analysis Date: 22-Nov-2024 16:11					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547547		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	19.5	1.00	20	0	97.5	80 - 120			
Sulfate	156.9	5.00	100	61.32	95.6	80 - 120			

MSD	Sample ID: HS24111308-01MSD	Units: mg/L		Analysis Date: 22-Nov-2024 13:10					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547519		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	20.12	0.100	2	17.49	132	80 - 120	20.1	0.113	20 SEO
Sulfate	57.53	0.500	10	52.94	45.9	80 - 120	57.63	0.169	20 SO

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston

Project: Lovington Gathering WTI SRS #2006

WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R500810 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD	Sample ID: HS24110887-06MSD	Units: mg/L		Analysis Date: 22-Nov-2024 16:17					
Client ID:	Run ID: ICS-Integrion_500810		SeqNo: 8547548		PrepDate:		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	19.92	1.00	20	0	99.6	80 - 120	19.5	2.15	20
Sulfate	157.6	5.00	100	61.32	96.2	80 - 120	156.9	0.415	20
The following samples were analyzed in this batch:									
HS24111403-01HS24111403-03HS24111403-13									

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R500812 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L		Analysis Date: 22-Nov-2024 18:02					
Client ID:	Run ID: ICS-Integrion_500812		SeqNo: 8547608		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Nitrogen, Nitrate (As N) < 0.100 0.100

Sulfate < 0.500 0.500

LCS	Sample ID: LCS	Units: mg/L		Analysis Date: 22-Nov-2024 18:14					
Client ID:	Run ID: ICS-Integrion_500812		SeqNo: 8547609		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Nitrogen, Nitrate (As N) 3.805 0.100 4 0 95.1 90 - 110

Sulfate 20.12 0.500 20 0 101 90 - 110

MS	Sample ID: HS24111403-06MS	Units: mg/L		Analysis Date: 22-Nov-2024 17:21					
Client ID: 12604537-MW-11-20241121	Run ID: ICS-Integrion_500812		SeqNo: 8547602		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Nitrogen, Nitrate (As N) 10.21 0.100 2 7.865 117 80 - 120

Sulfate 157.6 0.500 10 150 76.8 80 - 120 SEO

MS	Sample ID: HS24111390-01MS	Units: mg/L		Analysis Date: 22-Nov-2024 20:04					
Client ID:	Run ID: ICS-Integrion_500812		SeqNo: 8547626		PrepDate:		DF: 50		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Nitrogen, Nitrate (As N) 97.74 5.00 100 2.025 95.7 80 - 120

Sulfate 2902 25.0 500 2646 51.1 80 - 120 SO

MSD	Sample ID: HS24111403-06MSD	Units: mg/L		Analysis Date: 22-Nov-2024 17:27					
Client ID: 12604537-MW-11-20241121	Run ID: ICS-Integrion_500812		SeqNo: 8547603		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Nitrogen, Nitrate (As N) 10.18 0.100 2 7.865 116 80 - 120 10.21 0.213 20

Sulfate 157.4 0.500 10 150 74.1 80 - 120 157.6 0.177 20 SEO

ALS Houston, US

Date: 03-Dec-24

Client:

Project:

WorkOrder:

GHDHouston
Lovington Gathering WTI SRS #2006
HS24111403

QC BATCH REPORT

Batch ID: R500812 (0)		Instrument: ICS-Integrion		Method: ANIONS BY E300.0, REV 2.1, 1993					
MSD	Sample ID: HS24111390-01MSD	Units: mg/L			Analysis Date: 22-Nov-2024 20:10				
Client ID:	Run ID: ICS-Integrion_500812	SeqNo: 8547627		PrepDate:		DF: 50			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Nitrogen, Nitrate (As N)	95.88	5.00	100	2.025	93.9	80 - 120	97.74	1.92	20
Sulfate	2898	25.0	500	2646	50.4	80 - 120	2902	0.109	20
The following samples were analyzed in this batch:									
HS24111403-06		HS24111403-08		HS24111403-09		HS24111403-10			
HS24111403-11		HS24111403-12		HS24111403-14					

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501176 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON - SM5310B-2011						
MBLK	Sample ID: MBLK-11262024	Units: mg/L		Analysis Date: 26-Nov-2024 19:52						
Client ID:	Run ID: TOC_05_501176		SeqNo: 8556232		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	< 1.00	1.00								

LCS	Sample ID: LCS-11262024	Units: mg/L		Analysis Date: 26-Nov-2024 20:05						
Client ID:	Run ID: TOC_05_501176		SeqNo: 8556233		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.03	1.00	10	0	100	91 - 109				

LCSD	Sample ID: LCSD-11262024	Units: mg/L		Analysis Date: 26-Nov-2024 20:18						
Client ID:	Run ID: TOC_05_501176		SeqNo: 8556234		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.14	1.00	10	0	101	91 - 109	10.03	1.09	20	

MS	Sample ID: HS24111403-08MS	Units: mg/L		Analysis Date: 26-Nov-2024 22:22						
Client ID: 12604537-MW-4R-20241121	Run ID: TOC_05_501176		SeqNo: 8556243		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	25.18	1.00	10	19.8	53.8	86 - 117				S

The following samples were analyzed in this batch:

HS24111403-01	HS24111403-03	HS24111403-06	HS24111403-08
HS24111403-09	HS24111403-10	HS24111403-11	

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501180 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON - SM5310B-2011						
MBLK	Sample ID: MBLK-11262024	Units: mg/L		Analysis Date: 27-Nov-2024 00:22						
Client ID:	Run ID: TOC_05_501180		SeqNo: 8556290		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	< 1.00	1.00								
LCS	Sample ID: LCS-11262024	Units: mg/L		Analysis Date: 27-Nov-2024 00:36						
Client ID:	Run ID: TOC_05_501180		SeqNo: 8556291		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.01	1.00	10	0	100	91 - 109				
LCSD	Sample ID: LCSD-11262024	Units: mg/L		Analysis Date: 27-Nov-2024 00:49						
Client ID:	Run ID: TOC_05_501180		SeqNo: 8556292		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.962	1.00	10	0	99.6	91 - 109	10.01	0.481	20	
MS	Sample ID: HS24111403-13MS	Units: mg/L		Analysis Date: 27-Nov-2024 01:40						
Client ID: 12604537-MW-15-20241120	Run ID: TOC_05_501180		SeqNo: 8556295		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	15.31	1.00	10	8.496	68.1	86 - 117				S
The following samples were analyzed in this batch:										
HS24111403-12			HS24111403-13			HS24111403-14				

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

QC BATCH REPORT

Batch ID: R501507 (0)		Instrument: WetChem_HS		Method: CHEMICAL OXYGEN DEMAND BY E410.4, REV 2.0, 1993						
MBLK	Sample ID: MBLK-R501507	Units: mg/L			Analysis Date: 03-Dec-2024 14:50					
Client ID:	Run ID: WetChem_HS_501507		SeqNo: 8562574		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chemical Oxygen Demand	< 15.0	15.0								

LCS	Sample ID: LCS-R501507	Units: mg/L			Analysis Date: 03-Dec-2024 14:50					
Client ID:	Run ID: WetChem_HS_501507		SeqNo: 8562573		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chemical Oxygen Demand	97	15.0	100	0	97.0	90 - 110				

MS	Sample ID: HS24111224-01MS	Units: mg/L			Analysis Date: 03-Dec-2024 14:50					
Client ID:	Run ID: WetChem_HS_501507		SeqNo: 8562576		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chemical Oxygen Demand	54	15.0	50	8	92.0	90 - 110				

MSD	Sample ID: HS24111224-01MSD	Units: mg/L			Analysis Date: 03-Dec-2024 14:50					
Client ID:	Run ID: WetChem_HS_501507		SeqNo: 8562575		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chemical Oxygen Demand	55	15.0	50	8	94.0	90 - 110	54	1.83	20	

The following samples were analyzed in this batch:										
HS24111403-01			HS24111403-03			HS24111403-06			HS24111403-08	
HS24111403-09			HS24111403-10			HS24111403-11			HS24111403-12	
HS24111403-13			HS24111403-14							

ALS Houston, US

Date: 03-Dec-24

Client: GHDHouston
Project: Lovington Gathering WTI SRS #2006
WorkOrder: HS24111403

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 03-Dec-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 03-Dec-24

Sample Receipt Checklist

Work Order ID: HS24111403

Date/Time Received: 22-Nov-2024 09:00

Client Name: GHDHouston

Received by: Jacob Coronado

Completed By: /S/ Jacob Coronado	22-Nov-2024 12:54	Reviewed by: /S/ Alexis Dorenbosch	25-Nov-2024 11:39
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒No ☐Not Present ☐

Custody seals intact on sample bottles?

Yes ☐No ☐Not Present ☒

VOA/TX1005/TX1006 Solids in hermetically sealed vials?

Yes ☐No ☐Not Present ☒

Chain of custody present?

Yes ☒No ☐

2 Page(s)

Chain of custody signed when relinquished and received?

Yes ☒No ☐

COC IDs:327515, 327514

Samplers name present on COC?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☒No ☐

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

1.3UC/1.3C, 1.5UC/1.5C

IR34

Cooler(s)/Kit(s):

52429, 51811

Date/Time sample(s) sent to storage:

11/22/2024 1254

Water - VOA vials have zero headspace?

Yes ☒No ☐No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☐No ☒N/A ☐

pH adjusted?

Yes ☒No ☐N/A ☐

pH adjusted by:

Si Ma

Login Notes: MW-1R, MW-4R, MW-5R Metals presd. w/ 0.5ml HNO3 Lot#325153103 Final pH (1)

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

Cincinnati, OH
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+1 425 356 2600Fort Collins, CO
+1 970 490 1511Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 327515

11/24/11/1403

GHDHouston

Lovington Gathering WTI SRS #2006



Customer Information			Project Information			ALS Project Manager:												
Purchase Order	SRS #2006-142 SRS O/W 12604537-20	Project Name	Lovington Gathering WTI SRS #2006	A	8260_LL_W (8260 BTEX)													
Work Order		Project Number	SRS #2006-142	B	300_W (300 NO3, SC4)													
Company Name	GHD	Bill To Company	Plains All American Pipeline, LP	C	COD (410.4 COD)													
Send Report To	Chris Knight	Invoice Attn	Kerolanne Hudgens	D	ICP_DISS (6020 Diss Iron (LabFiltr))													
Address	11451 Katy Fwy Suite 400	Address	c/o ENV-00, Accounts Payable P.O. Box 4648	E	ICP_TV (6020 Mn)													
				F	RSK175 (RSK-175 Dissolved gasses (M.E, E))													
City/State/Zip	Houston, TX 77079	City/State/Zip	Houston TX 77210-4548	G	TOC_WW													
Phone	(713) 734-3090	Phone	(713) 646-4610	H														
Fax	(713) 734-3391	Fax	(713) 646-4199	I														
e-Mail Address	Christopher.Knight@ghd.com	e-Mail Address	Kerolanne.hudgens@plains.com	J														

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	12604537-MW-1R-20241121	11-21-24	09:15	GW	Ice	12	X	X	X	X	X	X	X				
2	12604537-MW-3R-20241120	11-20-24	09:15	GW	Ice	3	X										
3	12604537-MW-6R-20241121	11-21-24	09:54	GW	Ice	12	X	X	X	X	X	X	X				
4	12604537-MW-7-20241120	11-20-24	09:45	GW	Ice	3	X										
5	12604537-MW-9-20241120	11-20-24	11:11	GW	Ice	3	X										
6	12604537-MW-11-20241121	11-21-24	10:25	GW	Ice	12	X	X	X	X	X	X	X				
7	12604537-MW-2R-20241120	11-20-24	10:22	GW	Ice	3	X										
8	12604537-MW-4R-20241121	11-21-24	10:55	GW	Ice	12	X	X	X	X	X	X	X				
9	12604537-MW-5R-20241121	11-21-24	11:35	GW	Ice	12	X	X	X	X	X	X	X				
10	12604537-MW-12-20241121	11-21-24	12:25	GW	Ice	12	X	X	X	X	X	X	X				

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)				Results Due Date:					
Jairo Flores Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Logged by (Laboratory):		Date: 11-21-24 Time: 15:30 Date: 11/22/24 Time: 0900		Received by: Received by (Laboratory): Checked by (Laboratory):		☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hours				Notes: 12604537 Lovington Gathering WTI Cooler ID: 52429 Cooler Temp: 1.3 QC Package: (Check One Box Below) ☒ ICP-DISS (6020 Diss Iron (LabFiltr)) ☐ ICP-TV (6020 Mn) ☐ RSK175 (RSK-175 Dissolved gasses (M.E, E)) ☐ TOC_WW			

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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+1 970 490 1511Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 327514

11024111400

GHDHouston

Lovington Gathering WTI SRS #2006



ALS Project Manager:

Customer Information		Project Information	
Purchase Order	SRS #2006-142 SEOW 12604537-20	Project Name	Lovington Gathering WTI SRS #2006
Work Order		Project Number	SRS #2006-142
Company Name	GHD	Bill To Company	Plains All American Pipeline, LP
Send Report To	Chris Knight	Invoice Attn	Karolanne Hudgens
Address	11451 Katy Fwy Suite 400	Address	606 ENV-00 Accounts Payable P.O. Box 4648
City/State/Zip	Houston, TX 77079	City/State/Zip	Houston TX 77210-4648
Phone	(713) 734-3090	Phone	(713) 646-4510
Fax	(713) 734-3391	Fax	(713) 646-4199
e-Mail Address	Christopher.Knight@ghd.com	e-Mail Address	Karolanne.hudgens@plains.com

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	12604537-MW-13-20241121	11-21-24	13:55	GW	Ice	12	x	x	x	x	x	x	x				
2	12604537-MW-14-20241121	11-21-24	13:15	GW	Ice	12	x	x	x	x	x	x	x				
3	12604537-MW-15-20241120	11-20-24	13:00	GW	Ice	12	x	x	x	x	x	x	x				
4	12604537-MW-16-20241121	11-21-24	08:55	GW	Ice	12	x	x	x	x	x	x	x				
5	12604537-JW House Well-20241120	11-20-24	10:15	GW	Ice	3	x										
6	12604537-Dup-01-20241121	11-21-24	-	GW	Ice	3	x										
7	12604537-Dup-02-20241121	11-21-24	-	GW	Ice	3	x										
8	Trip Blank				Ice	2	x										
9	Trip Blank				Ice	2	x										
10																	

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:	
Jairo Flores Relinquished by: <i>JM</i> Date: 11-21-24 Time: 15:30 Received by: <i>Raylon Miller</i> Date: 11-21-24 Time: 15:30 Received by (Laboratory): Checked by (Laboratory): Logged by (Laboratory):				☒ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hrs			
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035		Cooler ID		Cooler Temp.		QC Package: (Check One Box Below)	
		52424		1.3		☒ Level I ME/CX ☐ Level II CAL/OU/RAW Data ☐ Level IV SAM/AC/CLP ☐ Other	
		51811		9.5		☐ TRRP Checked ☐ TRRP Level II	

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: SM
	Date: 11-21-24	Time: 15:30	Date: 11/22/24
	Name: Jairo Flores	Company: GHD	

51811 NOV 22 2024

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: SM
	Date: 11-21-24	Time: 15:30	Date: 11/22/24
	Name: Jairo Flores	Company: GHD	



Must Deliver Next Business Day
Time and Temperature Sensitive!

51811

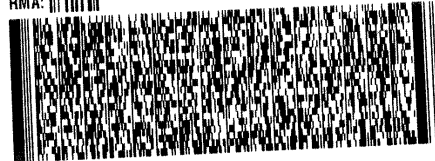
ORIGIN ID: SGRA (505) 546-2198
 HANK MCCONNELL
 GHD
 2135 S LOOP 250 WEST
 MIDLAND, TX 79703
 UNITED STATES US

SHIP DATE: 14NOV24
 ACTWGT: 1.00 LB MAN
 CAD: 0221247/DAFE3855
 DIMS: 26x14x14 IN

TO **SAMPLE RECEIVING**
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(281) 530-5656
 REF: 12604537 - LOVINGTON WTI=BO 104471-AD

RMA: 111111



FedEx
 TRK# 7386 7929 1036
 0221

FRI - 22 NOV 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US IAH



 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>gm</i>
	Date: <i>11-21-24</i> Time: <i>15:30</i> Name: <i>Jairo F.</i> Company: <i>GHD</i>		Date: <i>11/22/24</i>

52429

NOV 22 2024

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>gm</i>
	Date: <i>11-21-24</i> Time: <i>15:30</i> Name: <i>Jairo F.</i> Company: <i>GHD</i>		Date: <i>11/22/24</i>



Must Deliver Next Business Day
Time and Temperature Sensitive!

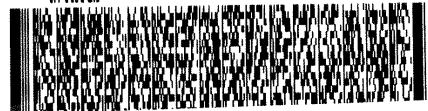
ORIGIN ID:SG
HANK MCCONNELL
GHD
2135 S LOOP 250
MIDLAND, TX 79706
UNITED STATES US

TO **SAMPLE REC.**
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(281) 530-5656

REF: 12604537 - LOVINGTON WTI=BO 104471-AD

RMA: 11111111



FedEx
TRK# 7386 7929 1047
0221

AB SGRA

FRI - 22 NOV 10:30A
PRIORITY OVERNIGHT

77099
TX-US IAH



#20265 11/21 58CJ8/3903/C6C4



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

CONDITIONS

Action 511196

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 511196
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, update Stage 2 Abatement Plan dated August 2010. Plan will be submitted as a report by November 4, 2025, that meets all the requirements of 19.15.30.13 NMAC. Include a proposed timeline to fully delineate groundwater impacts.	10/2/2025
shanna.smith	Survey in newly installed monitor wells.	10/2/2025
shanna.smith	2024 AGWMR was rejected due to report states Goff Dairy Well and Goff Dairy Center Pivot Irrigation System was sampled during the March quarterly monitoring event. This correction was NOT made. Per COC's these wells were sampled in May.	10/2/2025
shanna.smith	Continue submitting quarterly monitoring and sampling reports into OCD permitting. Goff Dairy Well, Center Pivot and JW House Well will be sampled twice a year.	10/2/2025
shanna.smith	Continue to sample for BTEX EPA Method 8260 and add Total Dissolved Solids (TDS) and pH to sampling events/plan for all wells applicable.	10/2/2025
shanna.smith	2025 AGWMR will be submitted by April 1, 2026.	10/2/2025
shanna.smith	2024 AGWMR approval does not relieve the owner/operator of responsibility for compliance with OCD, federal, state, or local laws and/or regulations.	10/2/2025