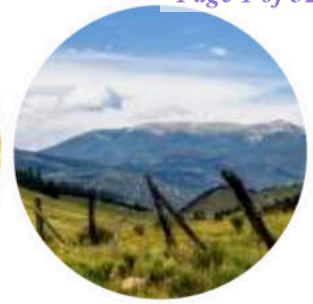


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2024 Annual Groundwater Monitoring Report

Hobbs Junction Mainline
Lea County, New Mexico
SRS # 2003-00017
NMOCD REF. # AP-054, nAPP2109528296

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August 5, 2025



2024 ANNUAL GROUNDWATER MONITORING REPORT

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1. INTRODUCTION AND SITE HISTORY

The Hobbs Junction Mainline (site) is located approximately three (3) miles west of Hobbs, in Unit Letter M, Section 26, Township 18 South and Range 37 East in Lea County, New Mexico. The GPS coordinates of this site are 32.711580 latitude and -103.228061 longitude. The land on the southern portion of the site is owned by the estate of Ms. Faye Klein and the land on the northern portion of the site is owned by the State of New Mexico. A site plan is provided as Figure 1 included in [Appendix A](#).

1.1 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands'. The soil in the upper two (2) feet at the site is composed of gravelly loam that contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleovalley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin has experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.2 Previous Environmental Investigations

Currently, a total of 33 monitor wells have been installed in the vicinity of the release (see Figure 1 in [Appendix A](#)). Initial groundwater delineation activities began on February 13, 2003, by advancing a soil boring (BH-1) in the vicinity of the release point with a hollow-stem auger drilling rig. Refusal occurred 28 feet below ground surface (bgs), in well-indurated caliche. On March 5, 2003, using an air rotary rig, monitor wells MW-1 and MW-2 were installed to groundwater in order to evaluate the presence of phase separated hydrocarbons (PSH). After it was determined that monitor wells MW-1 and MW-2 were impacted with PSH, monitor wells MW-3 through MW-6 were installed in August 2003. PSH was detected in monitor wells MW-3 through MW-6 during the development process. On January 19 and 20, 2004, monitor wells MW-7 through MW-13 were installed in order to delineate the dissolved-phase plume. Subsequent to development, PSH was detected in monitor well MW-12. Monitor wells MW-14 through

MW-17 were installed on May 24, 2004, outside the release perimeter. PSH was detected in monitor wells MW-14 and MW-17. Monitor wells MW-18 through MW-20 were installed in November 2006, and monitor wells MW-21 and MW-22 were installed on December 5, 2007, in order to further delineate the dissolved phase plume. Monitor wells MW-23 and MW-24 were installed on March 17, 2008, as requested by the New Mexico Oil Conservation Division (NMOCD), in order to further delineate the dissolved phase plume down-gradient towards the southeast. Subsequently, monitor wells MW-25, MW-26, and MW-27 were installed in December of 2011 to increase the density of pumping wells in order to increase drawdown of the groundwater level to further impede the migration of the dissolved-phase plume. Six (6) new monitor wells (MW-28 through MW-33) were installed in late April 2015. Two (2) of the wells, MW-29 and MW-30, were completed with 4-inch screen and blank riser to accommodate pneumatic pumps. Four (4) of the wells (MW-28 and MW-31 through MW-33) were completed with 2-inch screen and blank riser to further delineate the benzene, toluene, ethylbenzene, and xylenes (BTEX) contamination located to the north, northeast, south and southeast (downgradient) of the dissolved-phase plume.

A quarterly groundwater monitoring program was implemented for the site that included PSH recovery utilizing an automated eductor system, which operated from March 2004 to March 2007. In March 2007, the eductor system was replaced with an automated pneumatic skimmer and bladder pump PSH recovery system. At that time, a total of eight (8) skimmer pumps were installed in monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-12, MW-14, and MW-17 and a pneumatic total fluid pump was installed in monitor well MW-5. Total fluid pumps were installed in monitor wells MW-25 and MW-26 in 2012.

Currently, there are pneumatic total fluid pumps installed in monitor wells MW-1 through MW-3, MW-5, MW-25, and MW-26. The recovered PSH and water was pumped into a holding tank within a lined secondary containment. As the tank level fills, a high-level head pressure switch engages. Prior to and during the first quarter of 2023, the high-level head pressure switch engaged a fluid transfer pump that moved the recovered fluids to the Occidental Permian North Hobbs Unit Satellite 25 SWD. Currently, the high-level head pressure switch engages and shuts down the recovery system. A vacuum truck is then dispatched and the recovered fluid is physically pumped out of the tank and transported offsite to the Gandy Marley facility for disposal.

During 2024, the recovery system extracted 26.54 barrels (bbls) of PSH and 15593 bbls of groundwater.

Additionally, 11 mobile dual-phase extraction (MDPE) events were conducted at the site on January 9, February 7, March 19, April 22, May 15, June 6, July 16, August 7, September 30, October 24, and December 4, 2024. A total of 109.62 bbls of PSH were recovered, consisting of 48.07 bbls of liquid PSH and 61.55 bbls of vapor PSH. In addition, 262.71 bbls of total fluids were recovered during the MDPE events conducted in 2024.

1.3 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

NMWQCC Groundwater Standards	
Compound	Milligrams per Liter (mg/L)
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]pyrene)	0.0007

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2024. Analytical results for the four (4) sampling events are summarized in Table 2 through Table 5 in [Appendix B](#), and Figures 3a through 3d in [Appendix A](#). Laboratory analytical data reports and chain of custody documentation are included in [Appendix C](#).

2. SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the site during the year 2024. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impact to the groundwater and determining if modifications to the remediation system would improve performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2024. The events occurred in: March, June, September, and December.

During the March 2024 groundwater monitoring event, all 33 monitor wells were gauged. A total of 10 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-31 through MW-33) were purged and sampled. Due to the presence of PSH, 16 monitor wells (MW-1, MW-4 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that two (2) monitor wells (MW-9 and MW-20) were dry when gauged; monitor wells MW-13 and MW-18, MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-2, MW-3, had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in [Section 2.2](#).

During the June 2024 groundwater monitoring event, all 33 monitor wells were gauged. A total of 10 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-31 through MW-33) were purged and sampled. Due to the presence of PSH, 16 monitor wells (MW-1, MW-4 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, and MW-29, MW-30) were not sampled. It was noted that two (2) monitor wells (MW-9 and MW-20) were dry when gauged; monitor wells MW-13, MW-18 and MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-2 and MW-3 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in [Section 2.2](#).

During the September 2024 groundwater monitoring event, all 33 monitor wells were gauged. A total of nine (9) monitor wells (MW-7, MW-21 through MW-24, MW-28, and MW-31 through MW-33) were purged and sampled. Due to the presence of PSH, 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through

MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that three (3) monitor wells (MW-9, MW-18, and MW-20) were dry when gauged; monitor wells MW-13 and MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-25 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in [Section 2.2](#).

During the December 2024 groundwater monitoring event, all 33 monitor wells were gauged. A total of nine (9) monitor wells (MW-7, MW-21 through MW-24, MW-28, MW-31 through MW-33) were purged and sampled. Due to the presence of PSH, 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that two (2) monitor wells (MW-9 and MW-18) were dry when gauged; monitor wells MW-13 and MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-25 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in [Section 2.2](#).

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to monitor the presence and/or absence of PSH accumulations. The top of groundwater elevation was corrected in monitor wells impacted with PSH by the following equation: $\text{Corrected groundwater elevation} = \text{the surveyed top of casing elevation} - (\text{measured depth to water}) - (\text{PSH thickness} \times \text{the specific gravity of the PSH})$. Measured groundwater depths and elevations collected during the 2024 sampling events, along with historical measurements, are presented in Table 1 – Groundwater Gauging Data - Historical in [Appendix B](#).

Subsequent to gauging, all monitor wells with sufficient water volume that did not indicate the presence of PSH were purged a minimum of three (3) well volumes prior to sample collection. All monitor wells were purged utilizing dedicated disposable polyethylene bailers or 12-volt submersible pump and vinyl tubing. The pumps and tubing used to purge the wells were decontaminated with Alconox detergent and rinsed with distilled water prior to initial use and between sample collection events. All recovered groundwater from purging activities and recovered water used in the decontamination process were contained onsite in the system recovery tank until the water was transferred to the Gandy Marley facility for disposal.

Groundwater samples were collected from monitoring wells not impacted with PSH utilizing dedicated disposable polyethylene bailers. The groundwater samples collected were transferred from the disposable bailer into appropriately preserved laboratory supplied sample containers. The groundwater samples were maintained on ice in the custody of Talon/LPE personnel until submittal to Permian Basin Environmental Lab, LP in Midland, Texas for analysis. The collected samples were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method SW-846 8021B.

Groundwater samples collected from MW-21, MW-23, MW-24, and MW-25 were also analyzed for Monitored Natural Attenuation (MNA) parameters. The monitor wells sampled for MNA parameters were purged using low-flow groundwater sampling procedures. Field parameters for dissolved oxygen, oxidation-reduction potential, pH, temperature, and conductivity were collected every three (3) to five (5) minutes during purging activities. When three (3) consecutive, consistent readings were observed, a groundwater sample was taken from the pump's discharge tubing into appropriately preserved, laboratory supplied sample containers. The groundwater samples were maintained on ice in the custody of Talon/LPE personnel until submittal to Permian Basin Environmental Lab, LP in Midland, Texas for analysis of nitrate, sulfate, and alkalinity. Permian Basin Environmental Lab, LP sent samples from these wells to ALS Environmental in Houston, Texas to be analyzed for ethane, ethene, and methane by Method RSK-175 and iron and manganese by Method SW6020A.

2.3 Phase Separated Hydrocarbon Recovery

The crude oil and groundwater recovered with the total fluid pumps was expelled into an onsite frac tank used as a settling tank where the oil and water are gravity separated. The tank is equipped with a head pressure switch, which operates a transfer pump. When the pump is engaged, the recovery system is shut down and a vacuum truck is dispatched. The recovered fluids are pumped out of the the tank and transported offsite to the Gandy Marley facility for disposal.

The depth to water and/or PSH is periodically measured with an oil/water interface probe so that recovered volumes can be calculated. An in-line flow meter is also installed downstream of the transfer pump to quantify the total fluids recovered.

During 2024, the quarterly PSH and groundwater recovery totals for the system are as follows:

1st Quarter – 2.10 bbls PSH and 689 bbls of groundwater
2nd Quarter – 6.29 bbls PSH and 1,896 bbls of groundwater
3rd Quarter – 8.74 bbls PSH and 6,498 bbls of groundwater
4th Quarter – 9.41 bbls PSH and 6,510 bbls of groundwater

Eleven (11) MDPE events, during which liquid and vapor PSH was recovered, were conducted on site during 2024. The individual MDPE event recovery totals are as follows:

January 9, 2024 – 10.08 bbls vapor, 5.64 bbls liquid PSH
February 7, 2024 – 5.45 bbls vapor, 3.01 bbls liquid PSH
March 19, 2024 – 4.36 bbls vapor, 2.66 bbls liquid PSH
April 22, 2024 – 3.72 bbls vapor, 2.71 bbls liquid PSH
May 15, 2024 – 6.78 bbls vapor, 2.08 bbls liquid PSH
June 6, 2024 – 5.48 bbls vapor, 3.64 bbls liquid PSH
July 16, 2024 – 4.80 bbls vapor, 2.09 bbls liquid PSH
August 7, 2024 – 4.05 bbls vapor, 2.63 bbls liquid PSH
September 30, 2024 – 3.03 bbls vapor, 11.21 bbls liquid PSH
October 24, 2024 – 5.68 bbls vapor, 3.85 bbls liquid PSH
December 4, 2024 – 8.13 bbls vapor, 8.53 bbls liquid PSH

An estimated total of approximately 109.62 bbls of PSH was recovered during the MDPE events conducted during 2024.

Approximately 5,623.04 bbls of PSH has been recovered from the site to date.

3. GROUNDWATER MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Groundwater Analytical Data - Current in [Appendix B](#). Laboratory analytical data reports and chain of custody documentation are provided in [Appendix C](#).

The following sections present the results from the monitoring of the first water-bearing zone underlying the site.

3.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, which includes the site, is referred to as the Ogallala Aquifer or High Plains Aquifer. The Southern portion of the Ogallala Aquifer underlies an area of about 29,000 square miles in western Texas and eastern New Mexico, encompassing all or part of 31 counties in Texas and six (6) counties in New Mexico.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but average from zero to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site ranged from 60.59 feet below ground surface (bgs) to 66.05 feet bgs and the groundwater flow direction is to the east northeast. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

The composition of Ogallala groundwater is defined as mixed-cation- HCO_3 , therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements were collected during each of the four (4) groundwater monitoring events during the year 2024. The results of the fluid level measurements are summarized in Table 1 - Groundwater Gauging Data - Historical in [Appendix B](#).

Potentiometric surface maps were constructed from the four (4) quarterly water level measurement data sets:

- March 18, 2024
- June 17, 2024
- September 18, 2024
- December 16, 2024

These maps are Figures 2a, 2b, 2c, and 2d presented in [Appendix A](#).

Based on fluid level measurements collected from the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2024 and December 2024 was southeast with an average gradient of 0.0040 feet per foot (ft/ft), or approximately 20.88 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.03 feet in 2024, which appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbons

Groundwater measurements were obtained using an oil/water interface probe, which was also used to determine the presence of PSH.

During the March 2024 sampling event, PSH was observed in 16 monitor wells (MW-1, MW-4 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30). PSH thicknesses in these wells ranged from 0.01 feet to 4.15 feet.

During the June 2024 sampling event, PSH was observed in 16 monitor wells (MW-1, MW-4 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, and MW-29, MW-30). PSH thicknesses in these wells ranged from 0.01 feet to 3.57 feet.

During the September 2024 sampling event, PSH was observed in 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30). PSH thicknesses in these wells ranged from 0.01 feet to 5.07 feet.

During the December 2024 sampling event, PSH was observed in 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30). PSH thicknesses in these wells ranged from 0.01 feet to 4.27 feet.

PSH plume maps are presented as Figures 3a, 3b, 3c, and 3d in [Appendix A](#).

3.4 Groundwater Sampling Results

During the March 2024 sampling event, 10 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-31 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory method detection limits (MDLs) in all wells with the exception of MW-21 and MW-25, which exhibited benzene concentrations of 0.213 mg/L and 0.018 mg/L, respectively. Benzene concentrations in monitor wells MW-21 and MW-25 exceeded the NMWQCC groundwater standard of 0.010 mg/L. The remainder of the wells sampled during this quarter did not exceed the applicable NMWQCC groundwater standard.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21, which exhibited an ethylbenzene concentration of 0.359 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21, which exhibited a xylene concentration of 0.304 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled during this quarter.
- Methane concentrations ranged from 0.000588 mg/L in MW-24 to 1.57 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23 and MW-24 to 107 mg/L in MW-25.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23 and MW-24 to 0.491 mg/L in MW-25.
- Total Alkalinity concentrations ranged from 250 mg/L in MW-21 to 435 mg/L in MW-25.
- Sulfate concentrations ranged from 16.2 mg/L in MW-21 to 95.5 mg/L in MW-24.

- Nitrate as N concentrations ranged from <0.200 mg/L in MW-21 and MW-25 to 1.50 mg/L in MW-24.

During the June 2024 sampling event, 10 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-31 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21 and MW-25 which exhibited benzene concentrations of 0.146 mg/L and 0.321 mg/L, respectively. Benzene concentrations in monitor wells MW-21 and MW-25 exceeded the NMWQCC groundwater standard of 0.010 mg/L. The remainder of the wells sampled during this quarter did not exceed the applicable NMWQCC groundwater standard.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21 and MW-25 which exhibited ethylbenzene concentrations of 0.243 mg/L and 0.0307 mg/L, respectively. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21 and MW-25 which exhibited xylene concentrations of 0.00846 mg/L and 0.0132 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled during this quarter.
- Methane concentrations ranged from 0.00265 mg/L in MW-24 to 1.33 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23 and MW-24 to 3.03 mg/L in MW-25.
- Manganese concentrations ranged from <0.00500 mg/L in MW-24 to 0.0814 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 69.0 mg/L in MW-21 and MW-23 to 88.0 mg/L in MW-24.
- Sulfate concentrations ranged from 21.6 mg/L in MW-21 to 162 mg/L in MW-23.
- Nitrate as N concentrations ranged from <0.200 mg/L in MW-21 to 2.41 mg/L in MW-24.

During the September 2024 sampling event, nine (9) monitor wells (MW-7, MW-21 through MW-24, MW-28, and MW-31 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21 with a benzene concentration of 0.00515 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21, which exhibited an ethylbenzene concentration of 0.173 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21, which exhibited a xylene concentration of 0.00467 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled during this quarter.
- Methane concentrations ranged from 0.00110 mg/L in MW-24 to 1.09 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23 and MW-24 to 0.659 mg/L in MW-21.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23 and MW-24 to 0.0775 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 260 mg/L in MW-24 to 488 mg/L in MW-21.
- Sulfate concentrations ranged from 28.7 mg/L in MW-25 to 95.1 mg/L in MW-24.
- Nitrate as N concentrations ranged from 0.965 mg/L in MW-21 to 2.87 mg/L in MW-24.

During the December 2024 sampling event, nine (9) monitor wells (MW-7, MW-21 through MW-24, MW-28, MW-31 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled during this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21 which exhibited an ethylbenzene concentration of 0.00137 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled during this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled during this quarter.
- Methane concentrations ranged from 0.00587 mg/L in MW-24 to 0.822 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23 and MW-24 to 0.561 mg/L in MW-21.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23 and MW-24 to 0.0744 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 246 mg/L in MW-24 to 491 mg/L in MW-21.
- Sulfate concentrations ranged from 27.1 mg/L in MW-21 to 97.2 mg/L in MW-23.
- Nitrate as N concentrations ranged from <0.200 mg/L in MW-21 to 2.00 mg/L in MW-24.

The results of the laboratory analyses are summarized in Table 2 – Groundwater Analytical Data - Current in [Appendix B](#). Laboratory analytical data reports and chain of custody documentation are provided in [Appendix C](#).

Benzene concentrations in wells MW-19, MW-21, MW-22, and MW-25 were analyzed using the Mann-Kendall statistical method to quantitatively determine if the concentrations are increasing, decreasing, or stable over time. The Mann-Kendall analysis is a non-parametric statistical procedure that is used for analyzing trends in data over time. The data was analyzed using the GSI Environmental Inc. Mann-Kendall Toolkit software. Based on the analysis, benzene concentrations in wells MW-19, MW-21, MW-22, and MW-25 show a decreasing trend. Results of the Mann-Kendall analysis are included in [Appendix D](#).

4. CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the groundwater monitoring events conducted at the site and provides recommendations for future actions.

4.1 Summary of Findings

- Approximately 26.54 bbls of PSH was recovered by the groundwater system and 109.62 bbls of PSH was recovered via MDPE during 2024. Approximately 5,623.04 bbls of PSH has been recovered from the site to date.
- The groundwater flow direction is generally to the southeast with an average gradient of 0.0040 feet per foot based on the water level measurement data collected in 2024.
- Groundwater levels at the subject site have decreased an average of 0.03 feet for the year 2024.
- PSH has impacted monitor wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-10, MW-11, MW-12, MW-14, MW-15, MW-16, MW-17, MW-26, MW-27, MW-29, and MW-30 in 2024. PSH levels and extent have fluctuated in 2024 between 0.01 feet in all wells to 5.07 feet in MW-4.
- Dissolved-phase concentrations were stable during 2024.

4.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions:

- Install additional monitoring wells to compensate for declining groundwater levels.
- Continue PSH recovery via monthly MDPE events.
- Continue operation and maintenance of the PSH recovery system and transfer system. Adjust pump intake port depths and controller settings to optimize PSH recovery as needed.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.



APPENDIX A

Figures

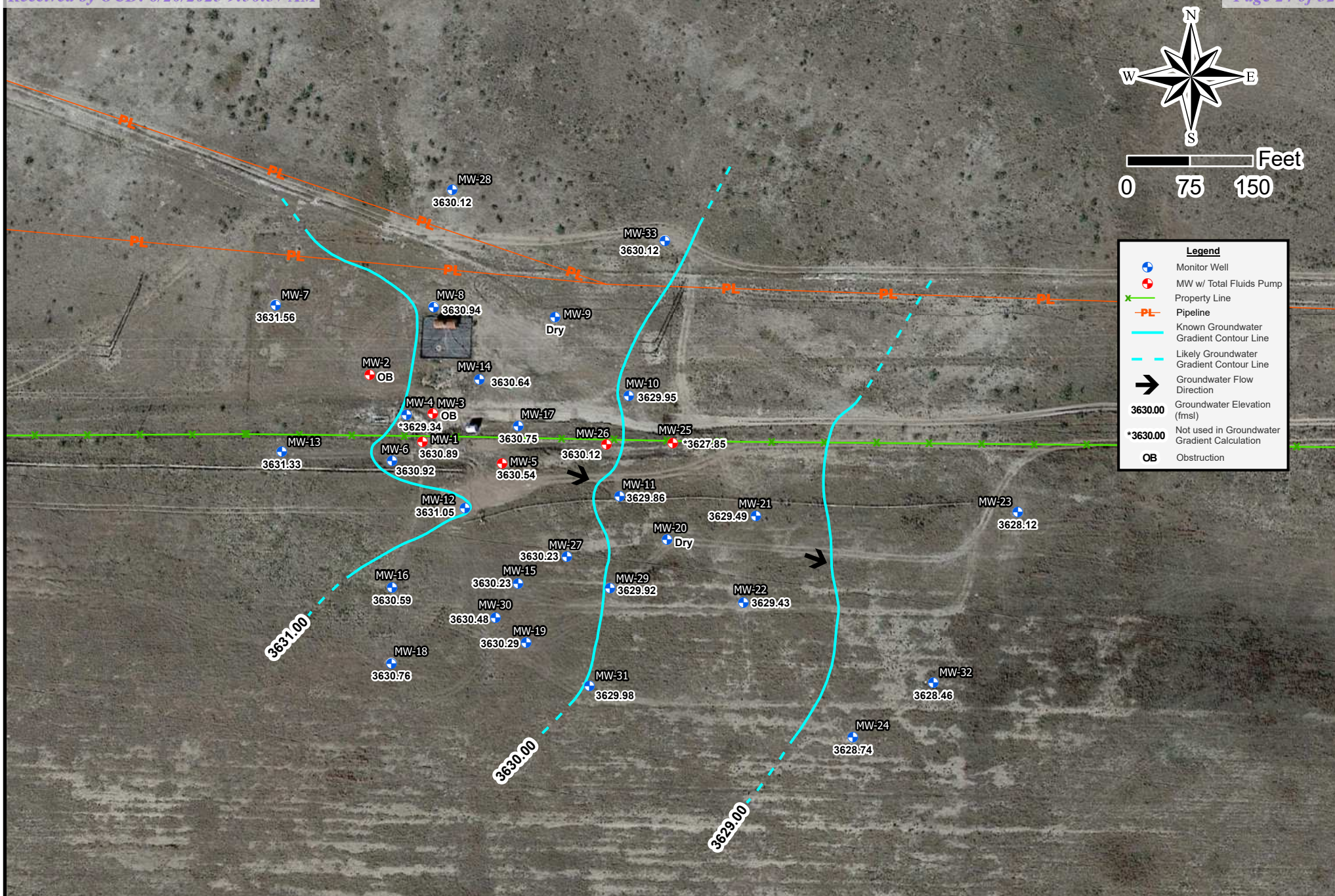


Drafted: 3/17/2025
1 in = 150 ft
Drafted By: IJR

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 1 - Site Plan

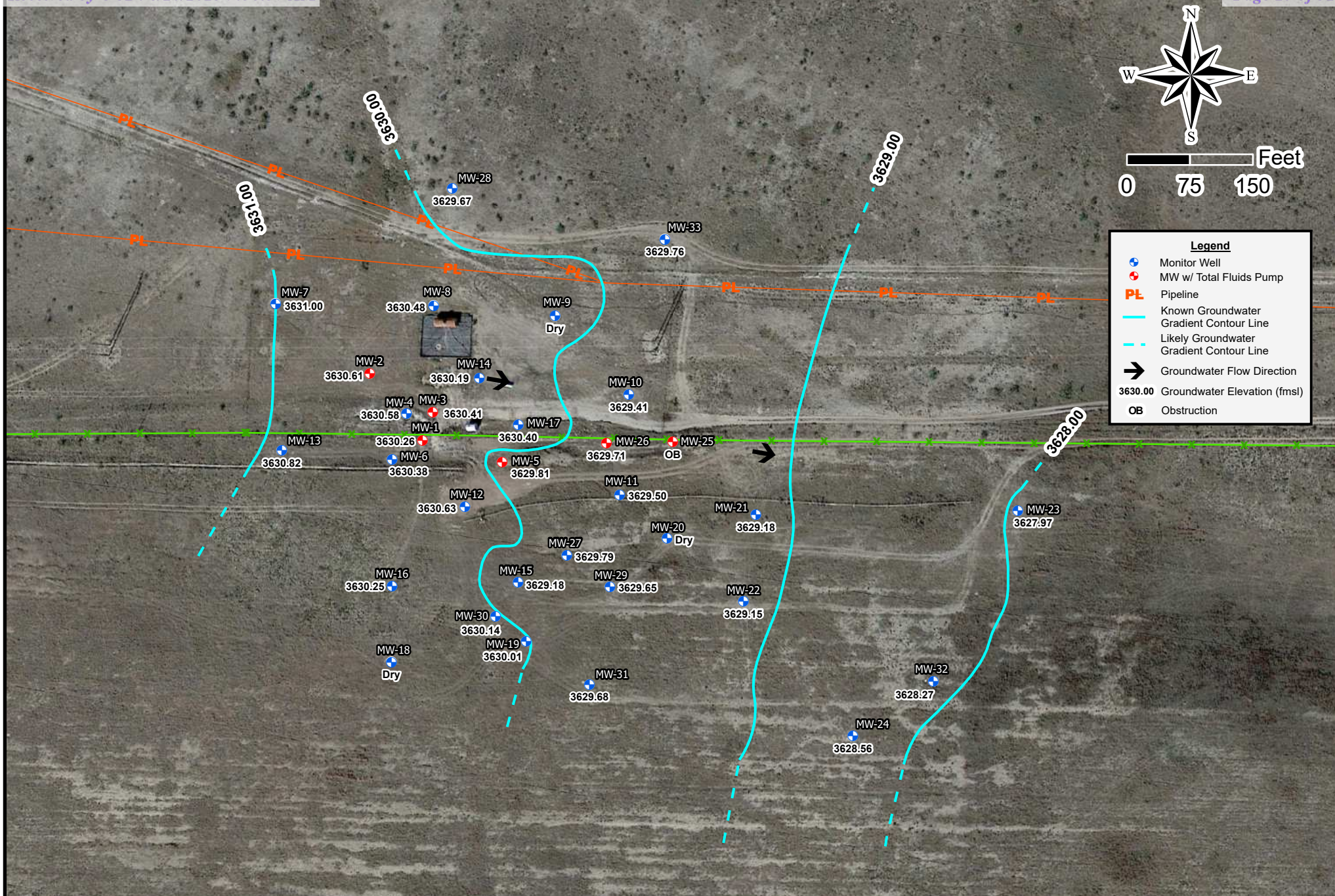


Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2a - Groundwater Gradient Map (03/18/2024)



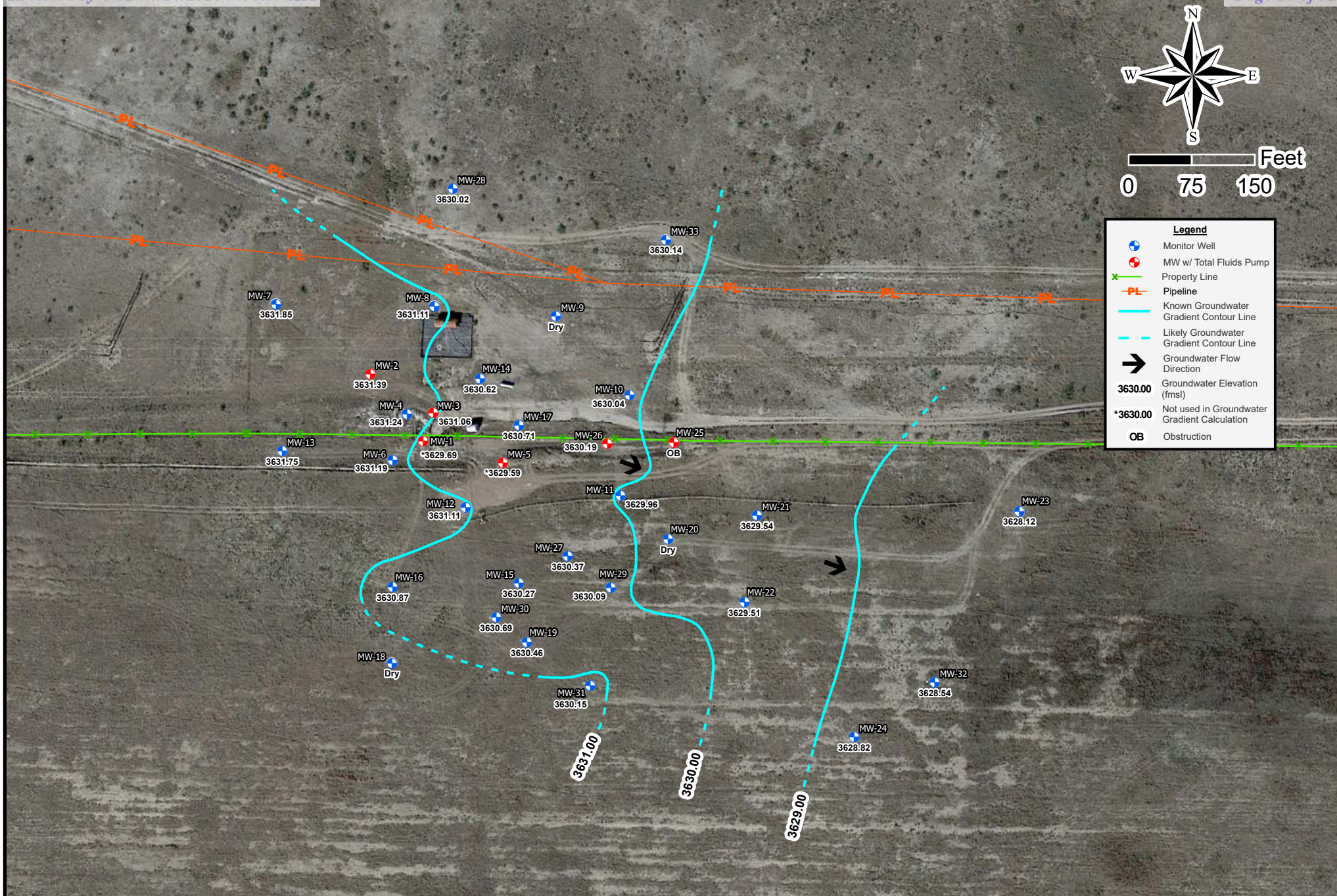
Drafted: 3/17/2025
1 in = 150 ft
Drafted By: JAI

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2b - Groundwater Gradient Map (06/17/2024)



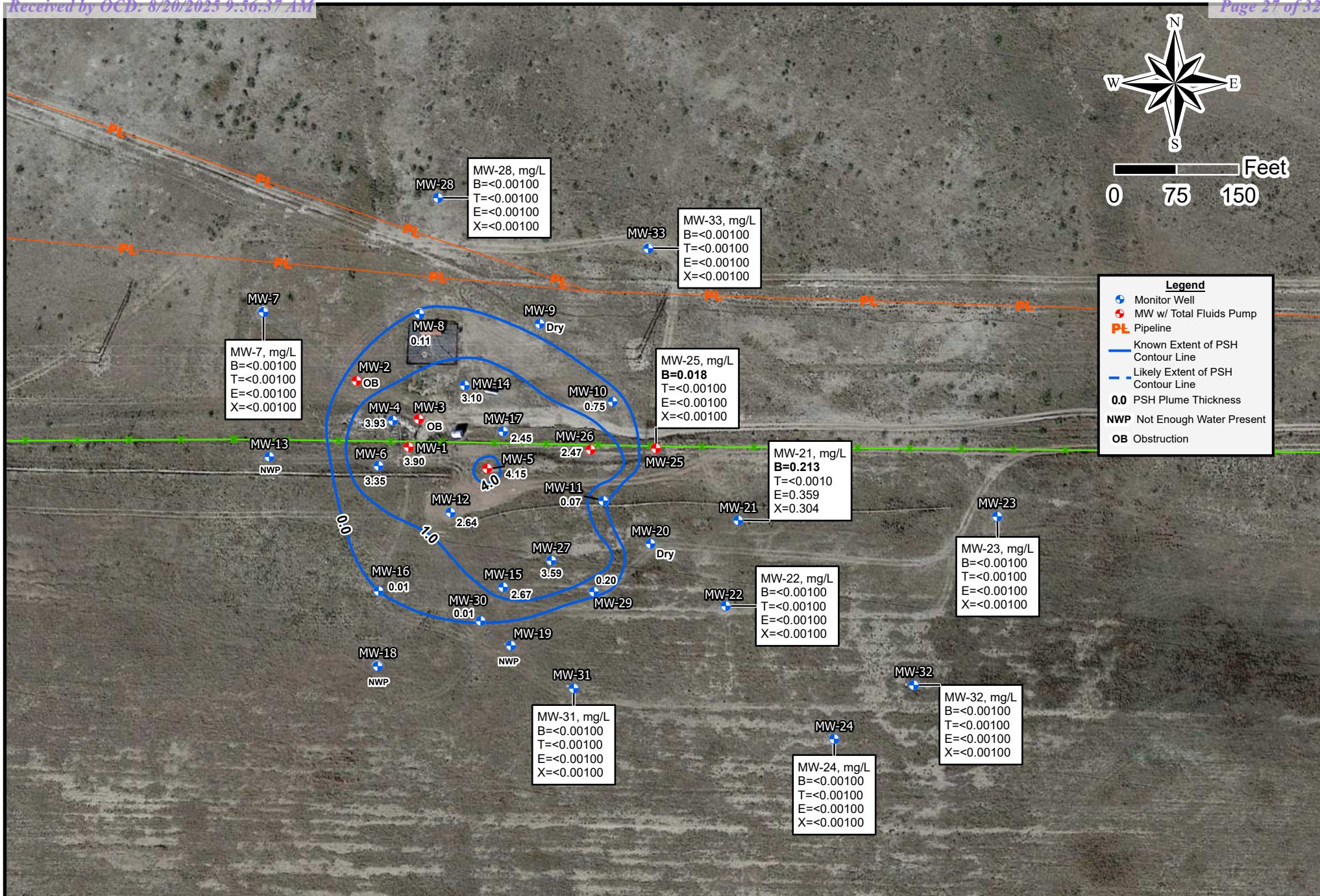
Drafted: 3/17/2025
1 in = 150 ft
Drafted By: JAI

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2c - Groundwater Gradient Map (09/18/2024)



Drafted: 3/17/2025
1 in = 150 ft
Drafted By: JAI

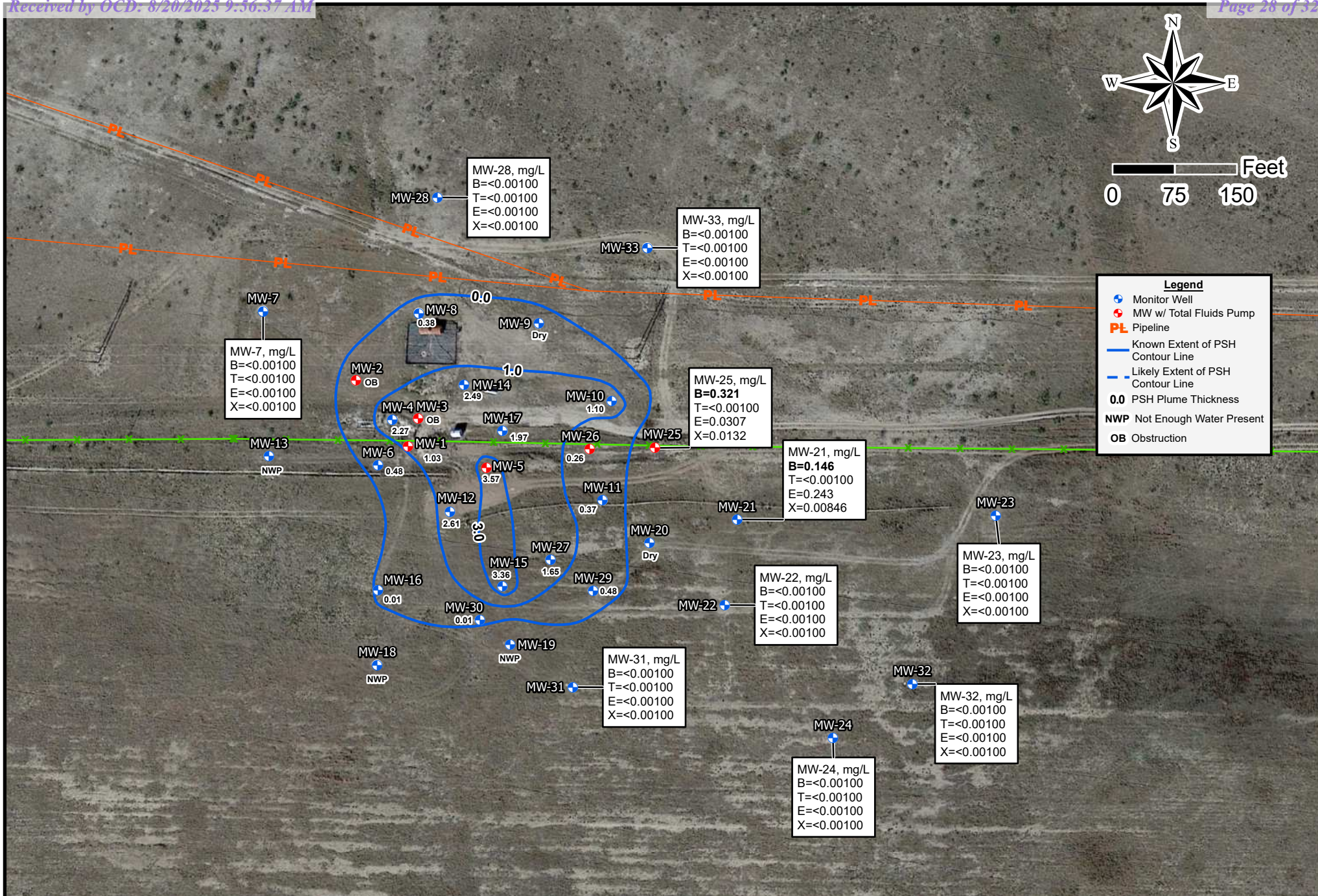
Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2d - Groundwater Gradient Map (12/16/2024)



Drafted: 3/17/2025
1 in = 150 ft
Drafted By: IJR

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061

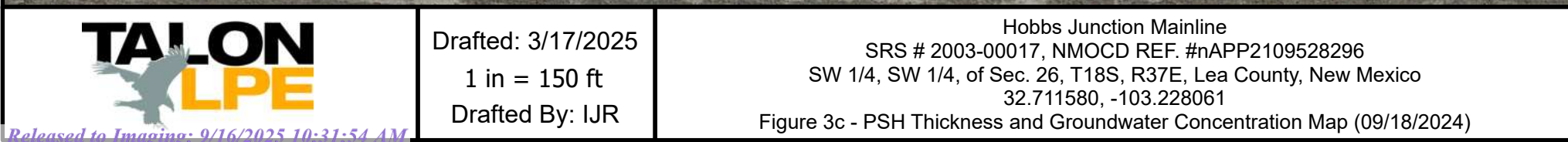
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/18-20/2024)

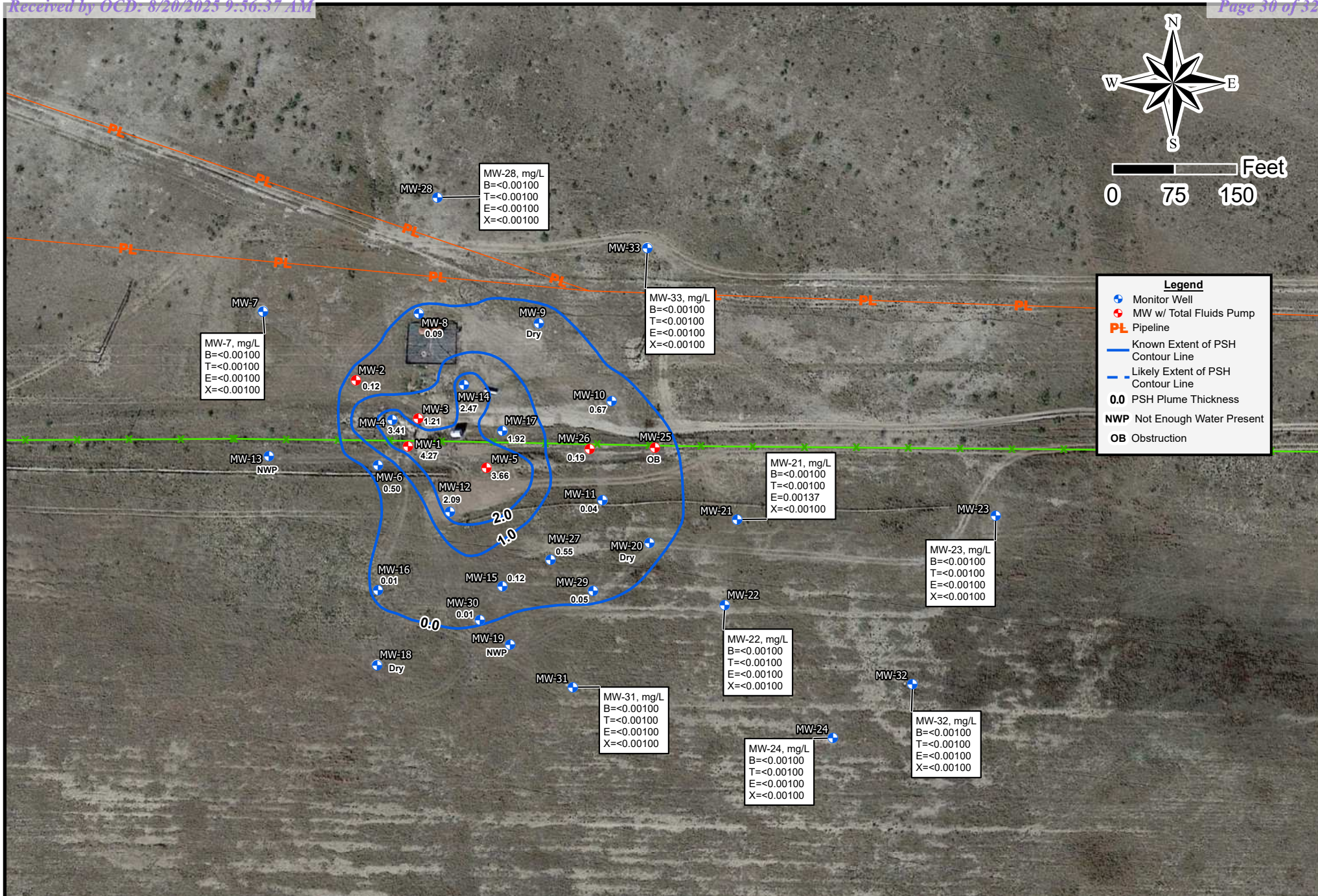


Drafted: 3/17/2025
1 in = 150 ft
Drafted By: IJR

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061

Figure 3b - PSH Thickness and Groundwater Concentration Map (06/17 & 19/2024)





Drafted: 3/17/2025
1 in = 150 ft
Drafted By: IJR

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061

Figure 3d - PSH Thickness and Groundwater Concentration Map (12/16-17/2024)



APPENDIX B

Tables

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1 4"	3678.5	39	54	03/09/2016	45.50	41.71	3.79	3636.16
				06/08/2016	45.79	41.71	4.08	3636.12
				09/21/2016	45.90	41.98	3.92	3635.87
				12/07/2016	44.08	42.81	1.27	3635.48
				03/22/2017	45.95	41.90	4.05	3635.93
				05/24/2017	45.98	42.17	3.81	3635.70
				09/18/2017	46.36	42.30	4.06	3635.53
				12/13/2017	46.02	42.52	3.50	3635.40
				03/29/2018	44.04	43.23	0.81	3635.14
				06/19/2018	47.23	42.64	4.59	3635.10
				09/18/2018	44.10	43.50	0.60	3634.90
				01/16/2019	46.29	42.80	3.49	3635.12
				03/19/2019	46.18	42.92	3.26	3635.04
				06/26/2019	44.42	43.50	0.92	3634.85
				09/20/2019	46.54	43.16	3.38	3634.78
				12/11/2019	47.89	43.02	4.87	3634.68
				03/23/2020	48.00	43.05	4.95	3634.63
				06/24/2020	45.95	44.06	1.89	3634.13
				09/11/2020	49.10	46.60	2.50	3631.49
				12/03/2020	48.80	44.51	4.29	3633.28
				03/24/2021	48.91	44.21	4.70	3633.51
				06/22/2021	47.45	45.63	1.82	3632.57
				09/21/2021	50.38	44.60	5.78	3632.95
				12/15/2021	51.26	45.19	6.07	3632.31
				03/22/2022	50.70	45.00	5.70	3632.56
				06/21/2022	48.62	46.11	2.51	3631.98
				09/26/2022	52.14	45.88	6.26	3631.59
				12/27/2022	49.44	46.08	3.36	3631.87
				03/23/2023	50.33	46.11	4.22	3631.69
				06/20/2023	51.23	46.67	4.56	3631.08
				09/25/2023	51.39	46.72	4.67	3631.01
				12/26/2023	49.00	46.37	2.63	3631.70
				3/18/2024	49.95	46.05	3.90	3631.81
				6/17/2024	48.47	47.44	1.03	3630.89
				9/18/2024	50.60	47.77	2.83	3630.26
				12/16/2024	52.38	48.11	4.27	3629.69

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-2 4"	3679.47	38	53	03/09/2016	43.11	42.75	0.36	3636.66
				06/08/2016	43.60	42.84	0.76	3636.50
				09/21/2016	43.58	43.12	0.46	3636.27
				12/07/2016	43.49	43.48	0.01	3635.99
				03/22/2017	44.06	43.00	1.06	3636.30
				05/24/2017	43.81	43.47	0.34	3635.94
				09/18/2017	43.76	43.46	0.30	3635.96
				12/13/2017	43.74	43.64	0.10	3635.81
				03/29/2018	44.20	43.86	0.34	3635.55
				06/19/2018	44.72	43.82	0.90	3635.50
				09/18/2018	43.83	43.82	0.01	3635.65
				01/16/2019	44.80	43.85	0.95	3635.46
				03/19/2019	45.16	43.83	1.33	3635.42
				06/26/2019	45.70	43.95	1.75	3635.23
				09/20/2019	44.93	44.16	0.77	3635.18
				12/11/2019	45.20	44.30	0.90	3635.02
				03/23/2020	44.50	44.45	0.05	3635.01
				06/24/2020	45.08	45.01	0.07	3634.45
				09/10/2020	45.73	45.57	0.16	3633.87
				12/03/2020	46.72	45.80	0.92	3633.52
				03/24/2021	46.74	45.63	1.11	3633.66
				06/22/2021	48.23	46.38	1.85	3632.78
				09/21/2021	48.22	46.34	1.88	3632.82
				12/15/2021	49.21	46.56	2.65	3632.47
				03/22/2022	49.80	47.60	2.20	3631.51
				06/21/2022	48.75	47.05	1.70	3632.14
				09/26/2022	47.90	47.60	0.30	3631.82
				12/27/2022	47.42	47.29	0.13	3632.16
				03/23/2023	OB	-	-	-
				06/20/2023	OB	-	-	-
				09/25/2023	OB	-	-	-
				12/26/2023	OB	-	-	-
				3/18/2024	OB	-	-	-
				6/17/2024	OB	-	-	-
				9/18/2024	48.96	48.84	0.12	3630.61
				12/16/2024	48.18	48.06	0.12	3631.39

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-3 4"	3679.81	39	54	03/09/2016	45.47	43.32	2.15	3636.14
				06/08/2016	47.00	43.03	3.97	3636.12
				09/21/2016	46.50	43.44	3.06	3635.87
				12/07/2016	44.84	44.26	0.58	3635.45
				03/22/2017	47.42	43.20	4.22	3635.91
				05/24/2017	47.03	43.46	3.57	3635.76
				09/18/2017	46.21	43.89	2.32	3635.54
				12/13/2017	45.35	44.25	1.10	3635.38
				03/29/2018	45.16	44.60	0.56	3635.12
				06/19/2018	47.85	44.09	3.76	3635.10
				09/18/2018	44.63	44.62	0.01	3635.19
				01/16/2019	45.38	44.65	0.73	3635.04
				03/19/2019	46.03	44.58	1.45	3634.99
				06/26/2019	45.13	44.95	0.18	3634.83
				09/20/2019	45.21	44.79	0.42	3634.95
				12/11/2019	46.78	44.88	1.90	3634.62
				03/23/2020	46.25	45.08	1.17	3634.54
				06/24/2020	OB	-	-	-
				09/10/2020	51.50	45.30	6.20	3633.49
				12/03/2020	48.28	46.22	2.06	3633.25
				03/24/2021	50.32	45.72	4.60	3633.33
				06/22/2021	52.02	46.29	5.73	3632.57
				09/21/2021	46.81	46.79	0.02	3633.02
				12/15/2021	52.30	46.58	5.72	3632.29
				03/22/2022	49.65	46.80	2.85	3632.54
				06/21/2022	50.45	47.37	3.08	3631.93
				09/26/2022	52.25	47.46	4.79	3631.56
				12/27/2022	51.99	47.19	4.80	3631.83
				03/23/2023	OB	-	-	-
				06/20/2023	OB	-	-	-
				09/25/2023	OB	-	-	-
				12/26/2023	OB	-	-	-
				3/18/2024	OB	-	-	-
				6/17/2024	OB	-	-	-
				9/18/2024	53.31	48.63	4.68	3630.41
				12/16/2024	49.76	48.55	1.21	3631.06

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-4 4"	3679.64	39	54	03/09/2016	45.58	43.88	1.70	3635.48
				06/08/2016	46.06	42.82	3.24	3636.29
				09/21/2016	46.46	43.03	3.43	3636.04
				12/07/2016	44.81	43.81	1.00	3635.66
				03/22/2017	46.60	42.97	3.63	3636.07
				05/24/2017	47.03	43.32	3.71	3635.71
				09/18/2017	47.06	43.31	3.75	3635.71
				12/13/2017	46.95	43.44	3.51	3635.62
				03/29/2018	48.05	44.58	3.47	3634.49
				06/19/2018	48.05	43.65	4.40	3635.26
				09/18/2018	43.89	43.88	0.01	3635.76
				01/16/2019	46.95	43.85	3.10	3635.28
				03/19/2019	44.74	43.75	0.99	3635.73
				06/26/2019	47.37	44.10	3.27	3635.00
				09/20/2019	46.80	44.05	2.75	3635.14
				12/11/2019	48.44	44.13	4.31	3634.80
				03/23/2020	47.30	44.34	2.96	3634.81
				06/24/2020	47.73	44.96	2.77	3634.22
				09/10/2020	50.50	45.05	5.45	3633.69
				12/03/2020	50.15	45.46	4.69	3633.41
				03/24/2021	50.56	45.28	5.28	3633.49
				06/22/2021	50.95	46.14	4.81	3632.71
				09/21/2021	48.95	46.10	2.85	3633.07
				12/15/2021	52.01	46.27	5.74	3632.42
				03/22/2022	51.12	46.10	5.02	3632.71
				06/21/2022	52.04	46.65	5.39	3632.10
				09/26/2022	52.76	46.97	5.79	3631.71
				12/27/2022	52.17	46.79	5.38	3631.96
				03/23/2023	53.80	46.99	6.81	3631.53
				06/20/2023	53.28	48.50	4.78	3630.35
				09/25/2023	53.00	47.65	5.35	3631.11
				12/26/2023	51.54	47.20	4.34	3631.72
				3/18/2024	50.97	47.04	3.93	3631.95
				6/17/2024	52.20	49.93	2.27	3629.34
				9/18/2024	53.29	48.22	5.07	3630.58
				12/16/2024	51.25	47.84	3.41	3631.24

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-5 4"	3679.26	40	55	03/09/2016	46.00	43.20	2.80	3635.60
				06/08/2016	47.43	42.85	4.58	3635.65
				09/21/2016	47.23	43.27	3.96	3635.34
				12/07/2016	45.38	44.22	1.16	3634.85
				03/22/2017	47.60	43.10	4.50	3635.42
				05/24/2017	47.45	43.45	4.00	3635.15
				09/18/2017	47.18	43.78	3.40	3634.92
				12/13/2017	47.02	43.93	3.09	3634.82
				03/29/2018	45.89	44.49	1.40	3634.54
				06/19/2018	47.53	44.12	3.41	3634.58
				09/18/2018	46.55	44.50	2.05	3634.42
				01/16/2019	48.62	43.91	4.71	3634.57
				03/19/2019	48.20	44.09	4.11	3634.49
				06/26/2019	46.37	44.84	1.53	3634.17
				09/20/2019	47.72	44.37	3.35	3634.34
				12/11/2019	49.20	44.31	4.89	3634.14
				03/23/2020	49.55	44.33	5.22	3634.07
				06/24/2020	49.62	44.76	4.86	3633.70
				09/11/2020	50.30	45.25	5.05	3633.18
				12/03/2020	OB	-	-	-
				03/24/2021	OB	-	-	-
				06/22/2021	OB	-	-	-
				09/21/2021	OB	-	-	-
				09/30/2021	51.10	46.00	5.10	3632.42
				12/15/2021	52.00	46.44	5.56	3631.90
				03/22/2022	51.50	46.30	5.20	3632.10
				06/21/2022	51.12	47.00	4.12	3631.58
				09/26/2022	52.90	47.15	5.75	3631.16
				12/27/2022	52.28	47.01	5.27	3631.38
				03/23/2023	53.40	47.20	6.20	3631.04
				06/20/2023	OB	-	-	-
				09/25/2023	53.40	47.81	5.59	3630.53
				12/26/2023	53.94	47.45	6.49	3630.74
				3/18/2024	51.46	47.31	4.15	3631.27
				6/17/2024	51.70	48.13	3.57	3630.54
				9/18/2024	51.90	48.97	2.93	3629.81
				12/16/2024	52.73	49.07	3.66	3629.59

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-6 4"	3680.63	40	55	03/09/2016	45.49	44.17	1.32	3636.24
				06/08/2016	47.45	43.80	3.65	3636.23
				09/21/2016	47.18	44.15	3.03	3635.98
				12/07/2016	45.51	44.94	0.57	3635.60
				03/22/2017	47.90	43.95	3.95	3636.03
				05/24/2017	47.10	44.40	2.70	3635.78
				09/18/2017	46.92	44.60	2.32	3635.65
				12/13/2017	45.80	44.95	0.85	3635.54
				03/29/2018	45.75	45.28	0.47	3635.27
				06/19/2018	47.85	44.99	2.86	3635.17
				09/18/2018	47.61	45.01	2.60	3635.19
				01/16/2019	47.65	45.00	2.65	3635.19
				03/19/2019	48.09	45.00	3.09	3635.12
				06/26/2019	45.63	45.60	0.03	3635.03
				09/20/2019	48.29	45.25	3.04	3634.88
				12/11/2019	48.35	45.20	3.15	3634.91
				03/23/2020	46.77	45.77	1.00	3634.69
				06/24/2020	47.03	46.31	0.72	3634.20
				09/11/2020	47.95	44.30	3.65	3635.73
				12/03/2020	51.18	46.53	4.65	3633.33
				03/24/2021	50.87	46.47	4.40	3633.43
				06/22/2021	52.10	47.21	4.89	3632.61
				09/21/2021	48.36	47.48	0.88	3633.00
				12/15/2021	52.20	47.49	4.71	3632.36
				03/22/2022	51.90	47.21	4.69	3632.65
				06/21/2022	49.05	48.53	0.52	3632.01
				09/26/2022	51.40	48.54	2.86	3631.62
				12/27/2022	49.07	48.69	0.38	3631.88
				03/23/2023	51.31	48.42	2.89	3631.73
				06/20/2023	49.92	49.52	0.40	3631.04
				09/25/2023	49.70	49.60	0.10	3631.01
				12/26/2023	48.68	48.67	0.01	3631.96
				3/18/2024	51.53	48.18	3.35	3631.90
				6/17/2024	50.11	49.63	0.48	3630.92
				9/18/2024	50.53	50.20	0.33	3630.38
				12/16/2024	49.86	49.36	0.50	3631.19

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7 2"	3679.85	38	53	03/09/2016	42.67	-	-	3637.18
				06/08/2016	42.71	-	-	3637.14
				09/21/2016	42.88	-	-	3636.97
				12/07/2016	43.10	-	-	3636.75
				03/22/2017	43.02	-	-	3636.83
				05/24/2017	43.08	-	-	3636.77
				09/18/2017	43.28	-	-	3636.57
				12/13/2017	43.36	-	-	3636.49
				03/29/2018	43.57	-	-	3636.28
				06/19/2018	43.73	-	-	3636.12
				09/18/2018	43.78	-	-	3636.07
				01/14/2019	43.76	-	-	3636.09
				03/19/2019	43.81	-	-	3636.04
				06/26/2019	43.97	-	-	3635.88
				09/20/2019	44.09	-	-	3635.76
				12/11/2019	44.19	-	-	3635.66
				03/23/2020	44.25	-	-	3635.60
				06/24/2020	44.91	-	-	3634.94
				09/10/2020	45.50	-	-	3634.35
				12/03/2020	45.91	-	-	3633.94
				03/23/2021	45.67	-	-	3634.18
				06/21/2021	46.65	-	-	3633.20
				09/21/2021	46.08	-	-	3633.77
				12/15/2021	46.90	-	-	3632.95
				03/22/2022	46.51	-	-	3633.34
				06/21/2022	47.27	-	-	3632.58
				09/26/2022	47.63	-	-	3632.22
				12/27/2022	47.23	-	-	3632.62
				03/23/2023	47.43	-	-	3632.42
				06/20/2023	48.25	-	-	3631.60
				09/25/2023	48.21	-	-	3631.64
				12/26/2023	47.46	-	-	3632.39
				3/18/2024	47.13	-	-	3632.72
				6/17/2024	48.29	-	-	3631.56
				9/18/2024	48.85	-	-	3,631.00
				12/16/2024	48.00	-	-	3631.85

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-8 2"	3679.07	35	50	03/09/2016	43.74	42.65	1.09	3636.24
				06/08/2016	43.72	42.76	0.96	3636.15
				09/21/2016	44.22	42.94	1.28	3635.92
				12/07/2016	44.80	43.19	1.61	3635.61
				03/22/2017	43.99	42.98	1.01	3635.92
				05/24/2017	43.58	43.43	0.15	3635.62
				09/18/2017	43.59	43.46	0.13	3635.59
				12/13/2017	43.59	-	-	3635.48
				03/29/2018	43.96	43.75	0.21	3635.29
				06/19/2018	44.25	43.82	0.43	3635.18
				09/18/2018	44.32	43.92	0.40	3635.08
				01/16/2019	44.25	43.85	0.40	3635.15
				03/19/2019	44.37	43.91	0.46	3635.08
				06/26/2019	44.65	44.06	0.59	3634.91
				09/20/2019	44.79	44.19	0.60	3634.78
				12/11/2019	45.07	44.25	0.82	3634.68
				03/23/2020	45.05	44.32	0.73	3634.63
				06/24/2020	45.65	44.80	0.85	3634.13
				09/10/2020	46.05	45.33	0.72	3633.62
				12/03/2020	46.52	45.68	0.84	3633.25
				03/24/2021	46.36	45.61	0.75	3633.34
				06/22/2021	47.11	46.30	0.81	3632.64
				09/21/2021	46.40	46.08	0.32	3632.94
				12/15/2021	47.41	46.59	0.82	3632.34
				03/22/2022	46.51	46.50	0.01	3632.57
				06/21/2022	47.60	47.06	0.54	3631.92
				09/26/2022	47.89	47.39	0.50	3631.60
				12/27/2022	47.20	47.19	0.01	3631.88
				03/23/2023	48.76	47.35	1.41	3631.49
				06/20/2023	48.29	47.62	0.67	3631.34
				09/25/2023	48.37	48.03	0.34	3630.98
				12/26/2023	48.62	47.45	1.17	3631.43
				3/18/2024	47.33	47.22	0.11	3631.83
				6/17/2024	48.45	48.07	0.38	3630.94
				9/18/2024	48.80	48.55	0.25	3630.48
				12/16/2024	48.04	47.95	0.09	3631.11

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9 2"	3678.76	37	52	03/09/2016	45.26	43.00	2.26	3635.39
				06/08/2016	45.72	42.92	2.80	3635.38
				09/21/2016	46.00	43.17	2.83	3635.12
				12/07/2016	46.42	43.49	2.93	3634.79
				03/22/2017	46.05	43.12	2.93	3635.16
				05/24/2017	44.30	43.90	0.40	3634.79
				09/18/2017	44.27	43.90	0.37	3634.80
				12/13/2017	44.39	44.04	0.35	3634.66
				03/29/2018	44.67	44.20	0.47	3634.48
				06/19/2018	45.43	44.20	1.23	3634.36
				09/18/2018	44.25	44.24	0.01	3634.52
				01/14/2019	46.20	44.13	2.07	3634.29
				03/19/2019	46.10	44.18	1.92	3634.26
				06/26/2019	46.26	44.32	1.94	3634.12
				09/20/2019	45.76	44.38	1.38	3634.15
				12/11/2019	45.90	44.46	1.44	3634.06
				03/23/2020	46.40	44.53	1.87	3633.92
				06/24/2020	45.92	44.88	1.04	3633.71
				09/10/2020	46.30	45.40	0.90	3633.21
				12/03/2020	45.80	45.68	0.12	3633.06
				03/24/2021	45.90	45.68	0.22	3633.04
				06/22/2021	NG	-	-	-
				09/21/2021	DR	-	-	-
				12/15/2021	DR	-	-	-
				03/22/2022	DR	-	-	-
				06/21/2022	DR	-	-	-
				09/26/2022	DR	-	-	-
				12/27/2022	DR	-	-	-
				03/23/2023	DR	-	-	-
				06/20/2023	DR	-	-	-
				09/25/2023	DR	-	-	-
				12/26/2023	DR	-	-	-
				3/18/2024	DR	-	-	-
				6/17/2024	DR	-	-	-
				9/18/2024	DR	-	-	-
				12/16/2024	DR	-	-	-

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-10 2"	3678.36	37	52	03/09/2016	45.35	43.10	2.25	3634.89
				06/08/2016	44.52	43.25	1.27	3634.90
				09/21/2016	45.02	43.47	1.55	3634.63
				12/07/2016	45.53	43.82	1.71	3634.26
				03/22/2017	45.15	43.41	1.74	3634.66
				05/24/2017	44.85	43.95	0.90	3634.26
				09/18/2017	44.33	44.06	0.27	3634.26
				12/13/2017	44.42	44.18	0.24	3634.14
				03/29/2018	44.69	44.42	0.27	3633.90
				06/19/2018	44.70	44.40	0.30	3633.91
				09/18/2018	44.78	44.59	0.19	3633.74
				01/16/2019	45.90	44.25	1.65	3633.84
				03/19/2019	45.53	44.43	1.10	3633.75
				06/26/2019	46.33	44.48	1.85	3633.57
				09/20/2019	45.29	44.79	0.50	3633.49
				12/11/2019	45.77	44.83	0.94	3633.37
				03/23/2020	45.70	44.87	0.83	3633.35
				06/24/2020	46.54	45.20	1.34	3632.94
				09/10/2020	47.25	45.55	1.70	3632.53
				12/03/2020	47.52	45.87	1.65	3632.22
				03/24/2021	47.56	45.88	1.68	3632.20
				06/22/2021	48.36	46.36	2.00	3631.67
				09/21/2021	48.03	46.34	1.69	3631.74
				12/15/2021	48.75	46.66	2.09	3631.36
				03/22/2022	47.11	46.81	0.30	3631.5
				06/21/2022	48.40	47.20	1.20	3630.96
				09/26/2022	48.97	47.50	1.47	3630.62
				12/27/2022	48.49	47.44	1.05	3630.75
				03/23/2023	49.20	47.57	1.63	3630.52
				06/20/2023	49.20	47.98	1.22	3630.18
				09/25/2023	49.20	48.21	0.99	3629.99
				12/26/2023	48.70	47.82	0.88	3630.39
				3/18/2024	48.38	47.63	0.75	3630.61
				6/17/2024	49.33	48.23	1.10	3629.95
				9/18/2024	49.54	48.83	0.71	3629.41
				12/16/2024	48.88	48.21	0.67	3630.04

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11 4"	3678.03	36	51	03/09/2016	43.29	43.26	0.03	3634.77
				06/08/2016	44.64	43.06	1.58	3634.71
				09/21/2016	43.60	43.54	0.06	3634.48
				12/07/2016	44.01	-	-	3634.02
				03/22/2017	43.67	43.48	0.19	3634.52
				05/24/2017	43.80	43.72	0.08	3634.30
				09/18/2017	43.99	43.94	0.05	3634.08
				12/13/2017	44.13	44.08	0.05	3633.94
				03/29/2018	44.44	44.35	0.09	3633.67
				06/19/2018	44.43	44.32	0.11	3633.69
				09/18/2018	44.45	44.44	0.01	3633.59
				01/16/2019	44.50	44.37	0.13	3633.64
				03/19/2019	44.75	44.36	0.39	3633.61
				06/26/2019	44.60	44.57	0.03	3633.46
				09/20/2019	44.91	44.59	0.32	3633.39
				12/11/2019	45.93	44.64	1.29	3633.18
				03/23/2020	45.30	44.80	0.50	3633.15
				06/24/2020	45.32	45.10	0.22	3632.89
				09/11/2020	46.66	46.50	0.16	3631.50
				12/03/2020	46.02	45.88	0.14	3632.13
				03/24/2021	46.25	45.90	0.35	3632.07
				06/22/2021	46.51	46.46	0.05	3631.56
				09/21/2021	46.76	46.74	0.02	3631.29
				12/15/2021	46.76	46.72	0.04	3631.30
				03/22/2022	47.11	47.10	0.01	3630.93
				06/21/2022	47.15	47.09	0.06	3630.93
				09/26/2022	47.65	47.51	0.14	3630.50
				12/27/2022	47.46	47.38	0.08	3630.64
				03/23/2023	47.59	47.53	0.06	3630.49
				06/20/2023	48.20	47.85	0.35	3630.12
				09/25/2023	48.18	48.16	0.02	3629.87
				12/26/2023	47.80	47.73	0.07	3630.29
				3/18/2024	47.63	47.56	0.07	3630.46
				6/17/2024	48.48	48.11	0.37	3629.86
				9/18/2024	48.56	48.52	0.04	3629.50
				12/16/2024	48.10	48.06	0.04	3629.96

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-12 4"	3679.63	36	51	03/09/2016	45.68	43.58	2.10	3635.70
				06/08/2016	47.40	43.20	4.20	3635.74
				09/21/2016	46.85	43.70	3.15	3635.41
				12/07/2016	45.55	44.56	0.99	3634.91
				03/22/2017	47.70	43.48	4.22	3635.45
				05/24/2017	46.80	43.95	2.85	3635.21
				09/18/2017	46.78	44.16	2.62	3635.04
				12/13/2017	47.24	44.22	3.02	3634.91
				03/29/2018	45.70	44.83	0.87	3634.66
				06/19/2018	46.80	44.59	2.21	3634.68
				09/18/2018	44.87	44.86	0.01	3634.77
				01/16/2019	47.90	44.35	3.55	3634.69
				03/19/2019	46.96	44.65	2.31	3634.60
				06/26/2019	46.17	45.00	1.17	3634.44
				09/20/2019	46.59	44.76	1.83	3634.57
				12/11/2019	49.40	44.65	4.75	3634.20
				03/23/2020	45.80	44.85	0.95	3634.62
				06/24/2020	47.05	45.74	1.31	3633.67
				09/11/2020	46.50	46.30	0.20	3633.30
				12/03/2020	47.20	46.63	0.57	3632.91
				03/24/2021	50.79	45.92	4.87	3632.91
				06/22/2021	49.91	47.23	2.68	3631.96
				09/21/2021	50.41	47.65	2.76	3631.52
				12/15/2021	50.26	46.90	3.36	3632.18
				03/22/2022	50.70	46.60	4.10	3632.35
				06/21/2022	50.30	47.17	3.13	3631.94
				09/26/2022	50.30	47.50	2.80	3631.67
				12/27/2022	50.30	47.34	2.96	3631.80
				03/23/2023	50.30	47.43	2.87	3631.73
				06/20/2023	50.30	48.00	2.30	3631.25
				09/25/2023	50.30	48.22	2.08	3631.07
				12/26/2023	50.27	47.81	2.46	3631.41
				3/18/2024	50.27	47.63	2.64	3631.56
				6/17/2024	50.76	48.15	2.61	3631.05
				9/18/2024	50.92	48.62	2.30	3630.63
				12/16/2024	50.27	48.18	2.09	3631.11

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13 2"	3681.42	36.3	51.3	03/09/2016	44.45	-	-	3636.97
				06/08/2016	44.50	-	-	3636.92
				09/21/2016	44.69	-	-	3636.73
				12/07/2016	44.93	-	-	3636.49
				03/22/2017	44.81	-	-	3636.61
				05/24/2017	44.90	-	-	3636.52
				09/18/2017	45.05	-	-	3636.37
				12/13/2017	45.17	-	-	3636.25
				03/29/2018	45.38	-	-	3636.04
				06/19/2018	45.59	-	-	3635.83
				09/18/2018	45.56	-	-	3635.86
				01/14/2019	45.54	-	-	3635.88
				03/19/2019	45.60	-	-	3635.82
				06/26/2019	45.76	-	-	3635.66
				09/20/2019	45.87	-	-	3635.55
				12/11/2019	45.97	-	-	3635.45
				03/23/2020	46.00	-	-	3635.42
				06/24/2020	46.65	-	-	3634.77
				09/10/2020	47.30	-	-	3634.12
				12/03/2020	47.62	-	-	3633.80
				03/23/2021	47.43	-	-	3633.99
				06/22/2021	48.48	-	-	3632.94
				09/21/2021	47.79	-	-	3633.63
				12/15/2021	48.70	-	-	3632.72
				03/22/2022	48.23	-	-	3633.19
				06/21/2022	48.92	-	-	3632.50
				09/26/2022	49.37	-	-	3632.05
				12/27/2022	48.93	-	-	3632.49
				03/23/2023	49.17	-	-	3632.25
				06/20/2023	50.00	-	-	3631.42
				09/25/2023	49.91	-	-	3631.51
				12/26/2023	49.17	-	-	3632.25
				3/18/2024	48.86	-	-	3632.56
				6/17/2024	50.09	-	-	3631.33
				9/18/2024	50.60	-	-	3630.82
				12/16/2024	49.67	-	-	3631.75

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-14 4"	3679.00	36	51	03/09/2016	44.65	43.15	1.50	3635.60
				06/08/2016	46.78	42.72	4.06	3635.61
				09/21/2016	45.15	43.36	1.79	3635.34
				12/07/2016	44.33	43.99	0.34	3634.95
				03/22/2017	47.10	42.95	4.15	3635.37
				05/24/2017	45.45	43.76	1.69	3634.96
				09/18/2017	44.99	43.81	1.18	3635.00
				12/13/2017	44.58	44.05	0.53	3634.86
				03/29/2018	44.63	44.33	0.30	3634.62
				06/19/2018	45.25	44.26	0.99	3634.58
				09/18/2018	44.83	44.44	0.39	3634.50
				01/16/2019	46.30	44.10	2.20	3634.54
				03/19/2019	48.10	43.83	4.27	3634.47
				06/26/2019	45.08	44.60	0.48	3634.32
				09/20/2019	46.77	44.31	2.46	3634.28
				12/11/2019	48.44	44.20	4.24	3634.10
				03/23/2020	47.50	44.44	3.06	3634.06
				06/24/2020	46.42	45.20	1.22	3633.60
				09/10/2020	46.40	45.83	0.57	3633.08
				12/03/2020	46.69	46.14	0.55	3632.77
				03/24/2021	48.93	45.66	3.27	3632.80
				06/22/2021	48.93	46.37	2.56	3632.21
				09/21/2021	49.81	46.01	3.80	3632.36
				12/15/2021	49.03	46.82	2.21	3631.82
				03/22/2022	48.30	46.39	1.91	3632.29
				06/21/2022	50.45	46.97	3.48	3631.46
				09/26/2022	50.45	47.26	3.19	3631.21
				12/27/2022	50.80	47.13	3.67	3631.26
				03/23/2023	50.45	47.23	3.22	3631.24
				06/20/2023	50.45	47.79	2.66	3630.77
				09/25/2023	50.45	47.98	2.47	3630.61
				12/26/2023	50.44	47.52	2.92	3631.00
				3/18/2024	50.44	47.34	3.10	3631.15
				6/17/2024	50.44	47.95	2.49	3630.64
				9/18/2024	50.44	48.49	1.95	3630.19
				12/16/2024	50.44	47.97	2.47	3630.62

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-15 4"	3674.92	34	49	03/09/2016	40.82	39.72	1.10	3635.02
				06/08/2016	42.91	39.24	3.67	3635.07
				09/21/2016	41.58	39.84	1.74	3634.79
				12/07/2016	41.06	40.53	0.53	3634.30
				03/22/2017	42.70	39.55	3.15	3634.85
				05/24/2017	42.65	39.90	2.75	3634.57
				09/18/2017	42.87	40.03	2.84	3634.42
				12/13/2017	43.17	40.12	3.05	3634.30
				03/29/2018	41.95	40.71	1.24	3634.01
				06/19/2018	43.52	40.35	3.17	3634.05
				09/18/2018	40.69	40.68	0.01	3634.24
				01/16/2019	44.25	40.22	4.03	3634.04
				03/19/2019	43.98	40.37	3.61	3633.95
				06/27/2019	42.85	40.75	2.10	3633.82
				09/20/2019	44.34	40.59	3.75	3633.71
				12/11/2019	43.98	40.80	3.18	3633.60
				03/23/2020	44.85	40.68	4.17	3633.55
				06/24/2020	43.57	41.40	2.17	3633.16
				09/11/2020	43.05	42.05	1.00	3632.70
				12/03/2020	42.81	42.50	0.31	3632.37
				12/06/2020	42.85	42.43	0.42	3632.42
				03/24/2021	45.31	41.94	3.37	3632.42
				06/22/2021	43.73	42.95	0.78	3631.84
				09/21/2021	44.96	43.40	1.56	3631.26
				12/15/2021	45.33	43.04	2.29	3631.50
				03/22/2022	44.70	42.90	1.80	3631.72
				06/21/2022	46.27	43.25	3.02	3631.17
				09/26/2022	46.90	43.62	3.28	3630.76
				12/27/2022	44.36	43.94	0.42	3630.91
				03/23/2023	44.54	44.05	0.49	3630.79
				06/20/2023	45.50	44.45	1.05	3630.30
				09/25/2023	45.72	44.60	1.12	3630.14
				12/26/2023	45.55	44.06	1.49	3630.61
				3/18/2024	46.33	43.66	2.67	3630.82
				6/17/2024	47.50	44.14	3.36	3630.23
				9/18/2024	47.45	45.40	2.05	3629.18
				12/16/2024	44.75	44.63	0.12	3630.27

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-16 4"	3676.86	33	48	03/09/2016	43.81	40.61	3.20	3635.72
				06/08/2016	43.60	40.70	2.90	3635.68
				09/21/2016	44.10	40.89	3.21	3635.44
				12/07/2016	44.20	41.31	2.89	3635.07
				03/22/2017	43.75	40.90	2.85	3635.49
				05/24/2017	44.30	41.10	3.20	3635.23
				09/18/2017	41.30	41.24	0.06	3635.61
				12/13/2017	41.87	41.83	0.04	3635.02
				03/29/2018	42.18	42.08	0.10	3634.76
				06/19/2018	42.28	42.11	0.17	3634.72
				09/18/2018	42.19	42.18	0.01	3634.68
				01/16/2019	42.26	42.12	0.14	3634.72
				03/19/2019	42.24	42.18	0.06	3634.67
				06/27/2019	42.57	42.36	0.21	3634.47
				09/20/2019	42.63	42.42	0.21	3634.41
				12/11/2019	42.79	42.52	0.27	3634.30
				03/23/2020	42.77	42.60	0.17	3634.23
				06/24/2020	43.20	43.09	0.11	3633.75
				09/11/2020	43.70	43.60	0.10	3633.24
				12/03/2020	44.03	43.91	0.12	3632.93
				03/23/2021	43.84	43.77	0.07	3633.08
				06/22/2021	44.66	44.64	0.02	3632.22
				09/21/2021	45.15	45.13	0.02	3631.73
				12/15/2021	44.96	44.88	0.08	3631.97
				03/22/2022	44.60	44.59	0.01	3632.27
				06/21/2022	45.16	45.15	0.01	3631.71
				09/26/2022	45.67	45.56	0.11	3631.28
				12/27/2022	45.43	45.36	0.07	3631.49
				03/23/2023	45.53	45.52	0.01	3631.34
				06/20/2023	46.17	-	-	3630.69
				09/25/2023	46.16	46.15	0.01	3630.71
				12/26/2023	45.62	45.61	0.01	3631.25
				3/18/2024	45.35	45.34	0.01	3631.52
				6/17/2024	46.28	46.27	0.01	3630.59
				9/18/2024	46.62	46.61	0.01	3630.25
				12/16/2024	46.00	45.99	0.01	3630.87

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 4"	3679.01	36	51	03/09/2016	46.20	43.18	3.02	3635.33
				06/08/2016	48.02	42.83	5.19	3635.32
				09/21/2016	48.51	43.12	5.39	3635.00
				12/07/2016	45.56	44.14	1.42	3634.64
				03/22/2017	47.70	43.20	4.50	3635.07
				05/24/2017	48.00	43.58	4.42	3634.70
				09/18/2017	47.00	43.81	3.19	3634.67
				12/13/2017	45.65	44.10	1.55	3634.65
				03/29/2018	45.55	44.54	1.01	3634.30
				06/19/2018	46.75	44.14	2.61	3634.44
				09/18/2018	45.55	45.54	0.01	3633.47
				01/16/2019	47.25	44.05	3.20	3634.43
				03/19/2019	47.04	44.20	2.84	3634.34
				06/26/2019	44.79	44.70	0.09	3634.30
				09/20/2019	46.89	44.43	2.46	3634.17
				12/11/2019	48.87	44.30	4.57	3633.96
				03/23/2020	47.87	44.54	3.33	3633.92
				06/24/2020	47.21	45.32	1.89	3633.38
				09/10/2020	46.60	46.00	0.60	3632.91
				12/03/2020	47.00	46.37	0.63	3632.54
				03/24/2021	50.13	45.68	4.45	3632.60
				06/22/2021	47.10	46.31	0.79	3632.57
				09/21/2021	50.50	47.16	3.34	3631.30
				12/15/2021	49.95	46.60	3.35	3631.86
				03/22/2022	49.60	46.50	3.10	3632.00
				06/21/2022	49.95	47.00	2.95	3631.52
				09/26/2022	49.95	47.33	2.62	3631.25
				12/27/2022	49.95	47.14	2.81	3631.41
				03/23/2023	49.95	47.26	2.69	3631.31
				06/20/2023	49.95	47.71	2.24	3630.93
				09/25/2023	49.95	47.97	1.98	3630.71
				12/26/2023	49.90	47.60	2.30	3631.03
				3/18/2024	49.90	47.45	2.45	3631.16
				6/17/2024	49.90	47.93	1.97	3630.75
				9/18/2024	49.90	48.36	1.54	3630.40
				12/16/2024	49.90	47.98	1.92	3630.71

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-18 2"	3675.68	30	45	03/09/2016	39.79	-	-	3635.89
				06/08/2016	39.78	-	-	3635.90
				09/21/2016	40.00	-	-	3635.68
				12/07/2016	40.31	-	-	3635.37
				03/22/2017	41.13	-	-	3634.55
				05/24/2017	40.21	-	-	3635.47
				09/18/2017	40.39	-	-	3635.29
				12/13/2017	40.50	-	-	3635.18
				03/29/2018	40.75	-	-	3634.93
				06/19/2018	40.88	-	-	3634.80
				09/18/2018	NL	-	-	-
				03/19/2019	40.91	-	-	3634.77
				06/27/2019	41.07	-	-	3634.61
				09/20/2019	41.15	-	-	3634.53
				12/11/2019	41.28	-	-	3634.40
				03/23/2020	41.34	-	-	3634.34
				06/24/2020	41.76	-	-	3633.92
				09/11/2020	42.27	-	-	3633.41
				12/03/2020	42.59	-	-	3633.09
				03/23/2021	42.53	-	-	3633.15
				06/22/2021	43.25	-	-	3632.43
				09/21/2021	42.96	-	-	3632.72
				12/15/2021	43.30	-	-	3632.38
				03/22/2022	45.30	-	-	3630.38
				06/21/2022	43.77	-	-	3631.91
				09/26/2022	44.19	-	-	3631.49
				12/27/2022	43.98	-	-	3631.70
				03/23/2023	44.18	-	-	3631.50
				06/20/2023	44.70	-	-	3630.98
				09/25/2023	44.84	-	-	3630.84
				12/26/2023	44.40	-	-	3631.28
				3/18/2024	44.06	-	-	3631.62
				6/17/2024	44.92	-	-	3630.76
				9/18/2024	DR	-	-	-
				12/16/2024	DR	-	-	-

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-19 2"	3674.96	31	46	03/09/2016	40.30	39.70	0.60	3635.16
				06/08/2016	40.78	39.60	1.18	3635.17
				09/21/2016	40.15	40.08	0.07	3634.87
				12/07/2016	40.52	40.48	0.04	3634.47
				03/22/2017	40.70	40.00	0.70	3634.84
				05/24/2017	40.45	40.20	0.25	3634.72
				09/18/2017	40.40	-	-	3634.56
				12/13/2017	40.52	-	-	3634.44
				03/29/2018	40.78	-	-	3634.18
				06/19/2018	40.73	-	-	3634.23
				09/18/2018	40.88	-	-	3634.08
				01/16/2019	41.77	-	-	3633.19
				03/19/2019	40.88	-	-	3634.08
				06/27/2019	41.15	41.03	0.12	3633.91
				09/20/2019	41.21	41.11	0.10	3633.83
				12/11/2019	41.39	41.20	0.19	3633.73
				03/23/2020	41.32	41.25	0.07	3633.70
				06/24/2020	41.96	41.60	0.36	3633.30
				09/10/2020	42.40	42.03	0.37	3632.87
				12/03/2020	42.93	42.30	0.63	3632.56
				12/06/2020	42.80	42.30	0.50	3632.58
				03/24/2021	42.44	42.40	0.04	3632.55
				06/28/2021	43.05	43.04	0.01	3631.92
				09/21/2021	42.96	-	-	3632.00
				12/15/2021	43.25	-	-	3631.71
				03/22/2022	43.18	-	-	3631.78
				06/21/2022	43.59	-	-	3631.37
				09/26/2022	44.00	-	-	3630.96
				12/27/2022	43.87	-	-	3631.09
				03/23/2023	44.00	-	-	3630.96
				06/20/2023	44.40	-	-	3630.56
				09/25/2023	44.66	-	-	3630.30
				12/26/2023	44.20	-	-	3630.76
				3/18/2024	44.00	-	-	3630.96
				6/17/2024	44.67	-	-	3630.29
				9/18/2024	44.95	-	-	3630.01
				12/16/2024	44.50	-	-	3630.46

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-20 2"	3674.38	31	46	03/09/2016	40.82	39.72	1.10	3634.48
				06/08/2016	43.39	39.18	4.21	3634.51
				09/21/2016	44.17	39.52	4.65	3634.09
				12/07/2016	44.08	39.99	4.09	3633.72
				03/22/2017	44.10	39.50	4.60	3634.12
				05/24/2017	43.96	39.75	4.21	3633.94
				09/18/2017	43.82	40.00	3.82	3633.75
				12/13/2017	46.00	40.15	5.85	3633.26
				03/29/2018	46.00	39.35	6.65	3633.93
				06/19/2018	41.82	40.28	1.54	3633.85
				09/18/2018	40.43	40.42	0.01	3633.96
				01/16/2019	41.60	40.35	1.25	3633.82
				03/19/2019	41.72	40.38	1.34	3633.78
				06/26/2019	42.10	40.47	1.63	3633.64
				09/20/2019	41.53	40.54	0.99	3633.68
				12/11/2019	41.50	40.88	0.62	3633.40
				03/23/2020	42.17	40.73	1.44	3633.41
				06/24/2020	42.02	41.04	0.98	3633.18
				09/10/2020	42.10	41.45	0.65	3632.82
				12/03/2020	45.05	44.72	0.33	3629.61
				03/23/2021	DR	-	-	-
				06/28/2021	44.05	44.04	0.01	3630.34
				09/21/2021	DR	-	-	-
				12/15/2021	DR	-	-	-
				03/22/2022	DR	-	-	-
				06/21/2022	DR	-	-	-
				09/26/2022	44.02	44.01	0.01	3630.37
				12/27/2022	43.77	43.76	0.01	3630.62
				03/23/2023	OB	-	-	-
				06/20/2023	OB	-	-	-
				09/25/2023	43.87	43.85	0.02	3630.53
				12/26/2023	43.92	-	-	3630.46
				3/18/2024	DR	-	-	-
				6/17/2024	DR	-	-	-
				9/18/2024	DR	-	-	-
				12/16/2024	DR	-	-	-

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MW-21 2"	3674.38	23	53	03/09/2016	40.21	-	-	3634.17
				06/08/2016	40.15	-	-	3634.23
				09/21/2016	40.40	-	-	3633.98
				12/07/2016	40.75	-	-	3633.63
				03/22/2017	40.54	-	-	3633.84
				05/24/2017	40.64	-	-	3633.74
				09/18/2017	40.79	-	-	3633.59
				12/13/2017	40.98	-	-	3633.40
				03/29/2018	41.21	-	-	3633.17
				06/19/2018	41.20	-	-	3633.18
				09/18/2018	43.34	-	-	3631.04
				01/16/2019	41.30	-	-	3633.08
				03/19/2019	41.40	-	-	3632.98
				06/27/2019	41.53	-	-	3632.85
				09/20/2019	41.83	-	-	3632.55
				12/11/2019	41.76	-	-	3632.62
				03/23/2020	41.82	-	-	3632.56
				06/24/2020	42.09	-	-	3632.29
				09/11/2020	42.44	-	-	3631.94
				12/03/2020	42.65	-	-	3631.73
				03/23/2021	42.78	-	-	3631.60
				06/22/2021	43.24	-	-	3631.14
				09/21/2021	43.26	-	-	3631.12
				12/15/2021	43.47	-	-	3630.91
				03/22/2022	43.54	-	-	3630.84
				06/21/2022	43.87	-	-	3630.51
				09/26/2022	44.23	-	-	3630.15
				12/27/2022	44.22	-	-	3630.16
				03/23/2023	44.32	-	-	3630.06
				06/20/2023	44.60	-	-	3629.78
				09/25/2023	44.88	-	-	3629.50
				12/26/2023	44.58	-	-	3629.80
				3/18/2024	44.40	-	-	3629.98
				6/17/2024	44.89	-	-	3629.49
				9/18/2024	45.20	-	-	3629.18
				12/16/2024	44.84	-	-	3629.54

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-22 2"	3674.07	20	50	03/09/2016	40.10	-	-	3633.97
				06/08/2016	39.95	-	-	3634.12
				09/21/2016	40.20	-	-	3633.87
				12/07/2016	40.55	-	-	3633.52
				03/22/2017	40.37	-	-	3633.70
				05/24/2017	40.43	-	-	3633.64
				09/18/2017	40.63	-	-	3633.44
				12/13/2017	40.79	-	-	3633.28
				03/29/2018	40.99	-	-	3633.08
				06/19/2018	41.02	-	-	3633.05
				09/18/2018	41.15	-	-	3632.92
				01/16/2019	41.10	-	-	3632.97
				03/19/2019	41.18	-	-	3632.89
				06/27/2019	41.32	-	-	3632.75
				09/20/2019	41.41	-	-	3632.66
				12/11/2019	41.52	-	-	3632.55
				03/23/2020	41.60	-	-	3632.47
				06/24/2020	41.83	-	-	3632.24
				09/11/2020	42.40	-	-	3631.67
				12/03/2020	42.39	-	-	3631.68
				03/23/2021	42.53	-	-	3631.54
				06/22/2021	42.97	-	-	3631.10
				09/21/2021	43.03	-	-	3631.04
				12/15/2021	43.20	-	-	3630.87
				03/22/2022	43.31	-	-	3630.76
				06/21/2022	43.60	-	-	3630.47
				09/26/2022	43.96	-	-	3630.11
				12/27/2022	43.97	-	-	3630.10
				03/23/2023	44.07	-	-	3630.00
				06/20/2023	45.32	-	-	3628.75
				09/25/2023	44.63	-	-	3629.44
				12/26/2023	44.35	-	-	3629.72
				3/18/2024	44.16	-	-	3629.91
				6/17/2024	44.64	-	-	3629.43
				9/18/2024	44.92	-	-	3629.15
				12/16/2024	44.56	-	-	3629.51

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-23 2"	3672.39	29	49	03/09/2016	39.80	-	-	3632.59
				06/08/2016	39.77	-	-	3632.62
				09/21/2016	40.02	-	-	3632.37
				12/07/2016	40.18	-	-	3632.21
				03/22/2017	41.28	-	-	3631.11
				05/24/2017	40.22	-	-	3632.17
				09/18/2017	40.40	-	-	3631.99
				12/13/2017	40.60	-	-	3631.79
				03/29/2018	40.68	-	-	3631.71
				06/19/2018	42.88	-	-	3629.51
				09/18/2018	40.90	-	-	3631.49
				01/16/2019	41.03	-	-	3631.36
				03/19/2019	41.11	-	-	3631.28
				06/26/2019	41.12	-	-	3631.27
				09/20/2019	41.30	-	-	3631.09
				12/10/2019	41.45	-	-	3630.94
				03/23/2020	41.61	-	-	3630.78
				06/24/2020	41.70	-	-	3630.69
				09/11/2020	42.30	-	-	3630.09
				12/03/2020	42.09	-	-	3630.30
				03/23/2021	42.38	-	-	3630.01
				06/21/2021	42.67	-	-	3629.72
				09/21/2021	42.83	-	-	3629.56
				12/15/2021	42.90	-	-	3629.49
				03/22/2022	43.04	-	-	3629.35
				06/21/2022	43.20	-	-	3629.19
				09/26/2022	43.59	-	-	3628.80
				12/27/2022	43.68	-	-	3628.71
				03/23/2023	43.75	-	-	3628.64
				06/20/2023	43.95	-	-	3628.44
				09/25/2023	44.24	-	-	3628.15
				12/26/2023	44.10	-	-	3628.29
				3/18/2024	43.96	-	-	3628.43
				6/17/2024	44.27	-	-	3628.12
				9/18/2024	44.42	-	-	3627.97
				12/16/2024	44.27	-	-	3628.12

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-24 2"	3672.79	30	50	03/09/2016	39.66	-	-	3633.13
				06/08/2016	39.64	-	-	3633.15
				09/21/2016	39.89	-	-	3632.90
				12/07/2016	40.06	-	-	3632.73
				03/22/2017	40.02	-	-	3632.77
				05/24/2017	40.07	-	-	3632.72
				09/18/2017	40.28	-	-	3632.51
				12/13/2017	40.41	-	-	3632.38
				03/29/2018	40.57	-	-	3632.22
				06/19/2018	40.65	-	-	3632.14
				09/18/2018	40.75	-	-	3632.04
				01/16/2019	40.82	-	-	3631.97
				03/19/2019	40.86	-	-	3631.93
				06/27/2019	41.00	-	-	3631.79
				09/20/2019	41.09	-	-	3631.70
				12/10/2019	41.22	-	-	3631.57
				03/23/2020	41.30	-	-	3631.49
				06/24/2020	41.47	-	-	3631.32
				09/11/2020	41.75	-	-	3631.04
				12/03/2020	41.79	-	-	3631.00
				03/23/2021	42.12	-	-	3630.67
				06/22/2021	42.38	-	-	3630.41
				09/21/2021	42.62	-	-	3630.17
				12/15/2021	42.64	-	-	3630.15
				03/22/2022	42.80	-	-	3629.99
				06/21/2022	42.98	-	-	3629.81
				09/26/2022	43.40	-	-	3629.39
				12/27/2022	43.50	-	-	3629.29
				03/23/2023	43.54	-	-	3629.25
				06/20/2023	43.75	-	-	3629.04
				09/25/2023	44.04	-	-	3628.75
				12/26/2023	43.91	-	-	3628.88
				3/18/2024	43.76	-	-	3629.03
				6/17/2024	44.05	-	-	3628.74
				9/18/2024	44.23	-	-	3628.56
				12/16/2024	43.97	-	-	3628.82

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-25 4"	3676.83	37	57	03/09/2016	42.55	42.06	0.49	3634.69
				06/08/2016	NL	-	-	-
				09/21/2016	42.91	42.33	0.58	3634.40
				12/07/2016	42.80	-	-	3634.03
				03/22/2017	42.38	-	-	3634.45
				05/24/2017	42.60	-	-	3634.23
				09/18/2017	42.82	-	-	3634.01
				12/13/2017	42.89	-	-	3633.94
				03/29/2018	43.17	-	-	3633.66
				06/19/2018	43.12	-	-	3633.71
				09/18/2018	43.26	-	-	3633.57
				01/16/2019	43.17	-	-	3633.66
				03/19/2019	43.31	-	-	3633.52
				06/26/2019	43.35	-	-	3633.48
				09/20/2019	43.53	43.52	0.01	3633.31
				12/11/2019	43.67	43.65	0.02	3633.18
				03/23/2020	43.73	-	-	3633.10
				06/24/2020	44.02	-	-	3632.81
				09/11/2020	44.45	-	-	3632.38
				12/03/2020	44.71	44.70	0.01	3632.13
				03/24/2021	44.79	-	-	3632.04
				06/22/2021	45.26	-	-	3631.57
				09/21/2021	45.26	-	-	3631.57
				12/15/2021	45.57	-	-	3631.26
				03/22/2022	45.61	-	-	3631.22
				06/21/2022	45.95	-	-	3630.88
				09/26/2022	46.33	-	-	3630.50
				12/27/2022	46.23	-	-	3630.60
				03/23/2023	46.35	-	-	3630.48
				06/20/2023	46.70	-	-	3630.13
				09/25/2023	46.95	-	-	3629.88
				12/26/2023	46.55	-	-	3630.28
				3/18/2024	46.36	-	-	3630.47
				6/17/2024	48.98	-	-	3627.85
				9/18/2024	OB	-	-	-
				12/16/2024	OB	-	-	-

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-26 4"	3677.17	36.5	56.5	03/09/2016	43.46	41.88	1.58	3635.03
				06/08/2016	44.67	41.56	3.11	3635.10
				09/21/2016	43.50	42.16	1.34	3634.79
				12/07/2016	43.12	42.77	0.35	3634.34
				03/22/2017	43.50	42.15	1.35	3634.80
				05/24/2017	43.30	42.42	0.88	3634.60
				09/18/2017	43.00	42.72	0.28	3634.40
				12/13/2017	43.11	42.83	0.28	3634.29
				03/29/2018	43.23	43.13	0.10	3634.02
				06/19/2018	43.65	43.01	0.64	3634.05
				09/18/2018	43.60	43.21	0.39	3633.90
				01/16/2019	44.56	42.90	1.66	3634.00
				03/19/2019	44.22	43.07	1.15	3633.91
				06/26/2019	43.90	43.32	0.58	3633.75
				09/20/2019	45.28	43.14	2.14	3633.68
				12/11/2019	46.02	43.18	2.84	3633.52
				03/23/2020	45.30	43.37	1.93	3633.48
				06/24/2020	44.62	43.90	0.72	3633.15
				09/11/2020	44.85	44.40	0.45	3632.70
				12/03/2020	45.35	44.65	0.70	3632.40
				03/24/2021	45.28	44.27	1.01	3632.73
				06/22/2021	48.74	44.70	4.04	3631.80
				09/21/2021	48.85	44.61	4.24	3631.86
				12/15/2021	49.30	44.95	4.35	3631.50
				03/22/2022	49.00	44.91	4.09	3631.59
				06/21/2022	49.80	45.34	4.46	3631.09
				09/26/2022	46.79	46.32	0.47	3630.77
				12/27/2022	46.55	46.21	0.34	3630.90
				03/23/2023	47.08	46.29	0.79	3630.75
				06/20/2023	47.70	46.63	1.07	3630.36
				09/25/2023	47.96	46.85	1.11	3630.14
				12/26/2023	47.90	46.34	1.56	3630.57
				3/18/2024	48.47	46.00	2.47	3630.76
				6/17/2024	47.27	47.01	0.26	3630.12
				9/18/2024	48.00	47.35	0.65	3629.71
				12/16/2024	47.14	46.95	0.19	3630.19

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-27 4"	3674.98	34.5	54.5	03/09/2016	41.91	39.41	2.50	3635.16
				06/08/2016	43.25	39.10	4.15	3635.20
				09/21/2016	42.95	39.53	3.42	3634.89
				12/07/2016	41.89	40.34	1.55	3634.38
				03/22/2017	43.10	39.40	3.70	3634.97
				05/24/2017	NL	-	-	-
				09/18/2017	42.50	40.07	2.43	3634.51
				12/13/2017	42.75	40.16	2.59	3634.39
				03/29/2018	42.71	40.52	2.19	3634.10
				06/19/2018	43.35	40.33	3.02	3634.15
				09/18/2018	42.30	40.49	1.81	3634.19
				01/16/2019	47.10	45.20	1.90	3629.47
				03/19/2019	43.26	40.46	2.80	3634.06
				06/27/2019	40.65	40.62	0.03	3634.36
				09/20/2019	44.11	40.57	3.54	3633.83
				12/11/2019	44.20	40.73	3.47	3633.68
				03/23/2020	44.85	40.65	4.20	3633.64
				06/24/2020	46.88	41.00	5.88	3633.01
				09/11/2020	47.00	41.37	5.63	3632.68
				12/03/2020	46.30	41.81	4.49	3632.43
				12/06/2020	46.87	41.70	5.17	3632.43
				03/24/2021	47.06	41.62	5.44	3632.46
				06/22/2021	44.45	42.73	1.72	3631.97
				09/21/2021	48.10	42.36	5.74	3631.67
				12/15/2021	47.41	42.51	4.90	3631.66
				03/22/2022	47.30	42.39	4.91	3631.78
				06/21/2022	45.10	43.41	1.69	3631.29
				09/26/2022	47.77	43.35	4.42	3630.90
				12/27/2022	46.71	43.35	3.36	3631.08
				03/23/2023	47.25	43.50	3.75	3630.86
				06/20/2023	47.90	43.85	4.05	3630.46
				09/25/2023	48.03	44.07	3.96	3630.26
				12/26/2023	47.67	43.63	4.04	3630.68
				3/18/2024	47.26	43.67	3.59	3630.72
				6/17/2024	46.13	44.48	1.65	3630.23
				9/18/2024	46.90	44.85	2.05	3629.79
				12/16/2024	45.07	44.52	0.55	3630.37

Table 1 - Groundwater Gauging Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-28 2"	3678.86	40	60	03/09/2016	43.43	-	-	3635.43
				06/08/2016	43.45	-	-	3635.41
				09/21/2016	43.65	-	-	3635.21
				12/07/2016	43.85	-	-	3635.01
				03/22/2017	43.80	-	-	3635.06
				05/24/2017	43.88	-	-	3634.98
				09/18/2017	44.05	-	-	3634.81
				12/13/2017	44.16	-	-	3634.70
				03/29/2018	44.34	-	-	3634.52
				06/19/2018	44.47	-	-	3634.39
				09/18/2018	44.56	-	-	3634.30
				01/14/2019	44.60	-	-	3634.26
				03/19/2019	44.65	-	-	3634.21
				06/26/2019	44.80	-	-	3634.06
				09/20/2019	44.91	-	-	3633.95
				12/10/2019	45.00	-	-	3633.86
				03/23/2020	45.08	-	-	3633.78
				06/24/2020	45.52	-	-	3633.34
				09/08/2020	46.00	-	-	3632.86
				12/03/2020	46.46	-	-	3632.40
				03/23/2021	46.33	-	-	3632.53
				06/21/2021	47.02	-	-	3631.84
				09/21/2021	46.78	-	-	3632.08
				12/15/2021	47.33	-	-	3631.53
				03/22/2022	47.18	-	-	3631.68
				06/21/2022	47.78	-	-	3631.08
				09/26/2022	48.12	-	-	3630.74
				12/27/2022	47.86	-	-	3631.00
				03/23/2023	48.03	-	-	3630.83
				06/20/2023	48.57	-	-	3630.29
				09/25/2023	48.73	-	-	3630.13
				12/26/2023	48.14	-	-	3630.72
				3/18/2024	47.88	-	-	3630.98
				6/17/2024	48.74	-	-	3630.12
				9/18/2024	49.19	-	-	3629.67
				12/16/2024	48.84	-	-	3630.02

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-29 4"	3674.37	40	60	03/09/2016	39.49	-	-	3634.88
				06/08/2016	41.24	39.18	2.06	3634.85
				09/21/2016	42.91	39.22	3.69	3634.54
				12/07/2016	43.30	39.72	3.58	3634.06
				03/22/2017	42.80	39.30	3.50	3634.49
				05/24/2017	42.15	39.70	2.45	3634.27
				09/18/2017	42.40	39.87	2.53	3634.08
				12/13/2017	40.60	40.35	0.25	3633.98
				03/29/2018	40.64	-	-	3633.73
				06/19/2018	41.15	40.56	0.59	3633.71
				09/18/2018	41.70	40.60	1.10	3633.59
				01/16/2019	40.90	40.67	0.23	3633.66
				03/19/2019	41.17	40.62	0.55	3633.66
				06/27/2019	43.40	40.63	2.77	3633.28
				09/20/2019	41.42	40.83	0.59	3633.44
				12/11/2019	OB	-	-	-
				03/23/2020	41.62	41.02	0.60	3633.25
				06/24/2020	41.94	41.34	0.60	3632.93
				09/11/2020	42.35	41.85	0.50	3632.44
				12/03/2020	42.70	42.05	0.65	3632.21
				12/06/2020	42.44	42.03	0.41	3632.27
				03/24/2021	42.36	42.14	0.22	3632.19
				06/22/2021	42.94	42.62	0.32	3631.70
				09/21/2021	42.99	42.66	0.33	3631.66
				12/15/2021	43.47	42.90	0.57	3631.38
				03/22/2022	43.20	42.89	0.31	3631.43
				06/21/2022	43.75	43.28	0.47	3631.01
				09/26/2022	44.06	43.68	0.38	3630.63
				12/27/2022	43.70	43.60	0.10	3630.75
				03/23/2023	43.79	43.78	0.01	3630.59
				06/20/2023	44.50	44.20	0.30	3630.12
				09/25/2023	44.45	44.35	0.10	3630.00
				12/26/2023	44.00	43.95	0.05	3630.41
				3/18/2024	43.95	43.75	0.20	3630.59
				6/17/2024	44.85	44.37	0.48	3629.92
				9/18/2024	44.95	44.68	0.27	3629.65
				12/16/2024	44.32	44.27	0.05	3630.09

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-30 4"	3675.39	40	60	03/09/2016	39.96	39.95	0.01	3635.44
				06/08/2016	42.30	39.46	2.84	3635.46
				09/21/2016	40.94	40.10	0.84	3635.15
				12/07/2016	41.93	40.58	1.35	3634.59
				03/22/2017	41.15	40.00	1.15	3635.20
				05/24/2017	40.95	40.30	0.65	3634.98
				09/18/2017	41.73	40.33	1.40	3634.83
				12/13/2017	41.23	40.59	0.64	3634.69
				03/29/2018	40.10	39.96	0.14	3635.41
				06/19/2018	41.30	40.90	0.40	3634.42
				09/18/2018	41.04	41.03	0.01	3634.36
				01/16/2019	41.00	40.80	0.20	3634.56
				03/19/2019	42.46	40.76	1.70	3634.35
				06/27/2019	41.33	41.20	0.13	3634.17
				09/20/2019	41.82	41.21	0.61	3634.08
				12/11/2019	41.60	41.40	0.20	3633.96
				03/23/2020	41.64	41.43	0.21	3633.93
				06/24/2020	41.88	41.86	0.02	3633.53
				09/11/2020	42.40	42.33	0.07	3633.05
				12/03/2020	44.03	43.91	0.12	3631.46
				12/06/2020	42.64	42.62	0.02	3632.77
				03/24/2021	42.82	42.58	0.24	3632.77
				06/22/2021	43.25	43.20	0.05	3632.18
				09/21/2021	43.20	43.08	0.12	3632.29
				12/15/2021	43.58	43.48	0.10	3631.89
				03/22/2022	43.40	43.39	0.01	3632.00
				06/21/2022	43.85	43.84	0.01	3631.55
				09/26/2022	44.21	44.20	0.01	3631.19
				12/27/2022	44.06	44.05	0.01	3631.34
				03/23/2023	44.25	44.24	0.01	3631.15
				06/20/2023	44.70	-	-	3630.69
				09/25/2023	44.86	-	-	3630.53
				12/26/2023	44.39	44.38	0.01	3631.01
				3/18/2024	44.16	44.15	0.01	3631.24
				6/17/2024	44.92	44.91	0.01	3630.48
				9/18/2024	45.26	45.25	0.01	3630.14
				12/16/2024	44.71	44.70	0.01	3630.69

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-31 2"	3674.36	40	60	03/09/2016	39.60	-	-	3634.76
				06/08/2016	40.55	-	-	3633.81
				09/21/2016	39.80	-	-	3634.56
				12/07/2016	40.20	-	-	3634.16
				03/22/2017	39.98	-	-	3634.38
				05/24/2017	40.04	-	-	3634.32
				09/18/2017	40.25	-	-	3634.11
				12/13/2017	40.31	-	-	3634.05
				03/29/2018	40.60	-	-	3633.76
				06/19/2018	40.57	-	-	3633.79
				09/18/2018	40.74	-	-	3633.62
				01/16/2019	40.70	-	-	3633.66
				03/19/2019	40.73	-	-	3633.63
				06/27/2019	40.87	-	-	3633.49
				09/20/2019	40.96	-	-	3633.40
				12/11/2019	41.09	-	-	3633.27
				03/23/2020	41.15	-	-	3633.21
				06/24/2020	41.43	-	-	3632.93
				09/10/2020	41.86	-	-	3632.50
				12/03/2020	42.11	-	-	3632.25
				03/23/2021	42.18	-	-	3632.18
				06/22/2021	42.70	-	-	3631.66
				09/21/2021	42.65	-	-	3631.71
				12/15/2021	43.00	-	-	3631.36
				03/22/2022	42.95	-	-	3631.41
				06/21/2022	43.31	-	-	3631.05
				09/26/2022	43.69	-	-	3630.67
				12/27/2022	43.63	-	-	3630.73
				03/23/2023	43.75	-	-	3630.61
				06/20/2023	44.10	-	-	3630.26
				09/25/2023	44.36	-	-	3630.00
				12/26/2023	43.97	-	-	3630.39
				3/18/2024	43.78	-	-	3630.58
				6/17/2024	44.38	-	-	3629.98
				9/18/2024	44.68	-	-	3629.68
				12/16/2024	44.21	-	-	3630.15

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-32 2"	3672.48	40	60	03/09/2016	39.62	-	-	3632.86
				06/08/2016	39.63	-	-	3632.85
				09/21/2016	39.85	-	-	3632.63
				12/07/2016	40.04	-	-	3632.44
				03/22/2017	40.00	-	-	3632.48
				05/24/2017	40.06	-	-	3632.42
				09/18/2017	40.26	-	-	3632.22
				12/13/2017	40.38	-	-	3632.10
				03/29/2018	40.55	-	-	3631.93
				06/19/2018	40.59	-	-	3631.89
				09/18/2018	41.73	-	-	3630.75
				01/16/2019	40.91	-	-	3631.57
				03/19/2019	40.88	-	-	3631.60
				06/27/2019	41.00	-	-	3631.48
				09/20/2019	41.09	-	-	3631.39
				12/10/2019	41.23	-	-	3631.25
				03/23/2020	41.30	-	-	3631.18
				06/24/2020	41.48	-	-	3631.00
				09/11/2020	41.75	-	-	3630.73
				12/03/2020	41.68	-	-	3630.80
				03/23/2021	42.12	-	-	3630.36
				06/22/2021	42.25	-	-	3630.23
				09/21/2021	42.59	-	-	3629.89
				12/15/2021	42.51	-	-	3629.97
				03/22/2022	42.74	-	-	3629.74
				06/21/2022	42.87	-	-	3629.61
				09/26/2022	43.35	-	-	3629.13
				12/27/2022	43.42	-	-	3629.06
				03/23/2023	43.50	-	-	3628.98
				06/20/2023	43.69	-	-	3628.79
				09/25/2023	44.00	-	-	3628.48
				12/26/2023	43.87	-	-	3628.61
				3/18/2024	47.73	-	-	3624.75
				6/17/2024	44.02	-	-	3628.46
				9/18/2024	44.21	-	-	3628.27
				12/16/2024	43.94	-	-	3628.54

Table 1 - Groundwater Gauging Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-33 2"	3679.19	40	60	03/09/2016	44.07	-	-	3635.12
				06/08/2016	44.08	-	-	3635.11
				09/21/2016	44.28	-	-	3634.91
				12/07/2016	44.53	-	-	3634.66
				03/22/2017	44.44	-	-	3634.75
				05/24/2017	44.52	-	-	3634.67
				09/18/2017	43.70	-	-	3635.49
				12/13/2017	44.83	-	-	3634.36
				03/29/2018	45.03	-	-	3634.16
				06/19/2018	45.11	-	-	3634.08
				09/18/2018	45.22	-	-	3633.97
				01/14/2019	45.25	-	-	3633.94
				03/19/2019	45.34	-	-	3633.85
				06/26/2019	45.48	-	-	3633.71
				09/20/2019	45.57	-	-	3633.62
				12/10/2019	45.68	-	-	3633.51
				03/23/2020	45.77	-	-	3633.42
				06/24/2020	46.09	-	-	3633.10
				09/08/2020	46.48	-	-	3632.71
				12/03/2020	46.85	-	-	3632.34
				03/23/2021	46.84	-	-	3632.35
				06/21/2021	47.38	-	-	3631.81
				09/21/2021	47.32	-	-	3631.87
				12/15/2021	47.70	-	-	3631.49
				03/22/2022	47.65	-	-	3631.54
				06/21/2022	48.11	-	-	3631.08
				09/26/2022	48.43	-	-	3630.76
				12/27/2022	48.31	-	-	3630.88
				03/23/2023	48.46	-	-	3630.73
				06/20/2023	48.83	-	-	3630.36
				09/25/2023	49.06	-	-	3630.13
				12/26/2023	48.65	-	-	3630.54
				3/18/2024	48.45	-	-	3630.74
				6/17/2024	49.07	-	-	3630.12
				9/18/2024	49.43	-	-	3629.76
				12/16/2024	49.05	-	-	3630.14

Specific Gravity: 0.75

Notes:

DR = Well dry

DS = Well destroyed

NG = Well not gauged

NL = Well not located

NSA = No access

OB = Obstruction in well

PA = Well plugged and abandoned

Table 2 - Groundwater Analytical Data - Current
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-7	03/24/2023	<0.000408	0.000498 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000510
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-16	06/21/2023	<0.00500	<0.00500	0.0168	<0.0250	-
MW-18	03/24/2023	<0.000408	0.000393 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
MW-21	03/24/2023	0.00844	<0.000367	0.0182	<0.000642	0.0266
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000530
	03/19/2024	0.213	<0.0010	0.359	0.304	0.877
	06/17/2024	0.146	<0.00100	0.243	0.00846	0.398
	09/18/2024	0.00515	<0.00100	0.173	0.00467	0.183
	12/17/2024	<0.00100	<0.00100	0.00137	<0.00100	0.00137
MW-22	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-23	03/27/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-24	03/28/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-25	03/24/2023	0.0137 J	<0.00367	<0.00657	<0.00642	0.0137 J
	06/21/2023	0.0123	<0.00500	0.00657	<0.0250	-
	09/27/2023	0.00140	<0.00100	<0.00100	<0.00100	0.00204
	12/28/2023	0.00209	<0.00100	<0.00100	<0.00100	0.00293
	03/19/2024	0.018	<0.00100	<0.00100	<0.00100	0.0180
	06/17/2024	0.321	<0.00100	0.0307	0.0132	0.365

Table 2 - Groundwater Analytical Data - Current
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-28	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-30	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/21/2023	0.0661	<0.00500	0.0215	0.0302	-
MW-31	09/26/2023	0.0494	<0.00100	0.0133	0.000600	0.0634
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-32	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-33	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2023	<0.000408	0.000412 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Notes:

Lab Flags noted next to values. See lab report for description.

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

< = Analyte not detected.

Analyte concentration exceeds the standard for:

NMWQCC Groundwater Standards

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-7	03/09/2016	0.000400 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00728	<0.000367	<0.000657	<0.000630	0.00728
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	0.000910 J	<0.00100	<0.000657	<0.000630	0.000910 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00379	0.000780 J	<0.000657	<0.000630	0.00457
	06/19/2018	0.00337	<0.000367	0.00138 J	<0.000630	0.00475
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/26/2019	0.000560	0.000420	<0.000657	<0.00063	0.000980
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/25/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/03/2020	0.00135 J	0.00111 J	0.000760 J	0.0008700 J	0.004090
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.000553 J B	<0.00200	0.000699 J	<0.00400	0.00125 J B
	09/21/2021	<0.00200 U F2 F1	<0.00200 U	<0.00200 U	<0.00400 U	<0.00200 U
	12/16/2021	0.00147 J B	<0.00200	<0.00200	<0.00400	0.00147 J
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.000657
	09/27/2022	0.00195 J B	<0.000367	<0.000657	<0.000642	0.00195 J
	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	0.000498 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000510
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/20/2017	0.130	0.0133	0.0904	0.203	0.437
MW-13	03/09/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	0.000504 J	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	0.000900 J	0.00130	0.00210	0.00300	0.00730
	03/19/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/26/2019	0.00176	<0.000367	<0.000657	<0.00063	0.00176
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/25/2020	0.0148	<0.000512	0.00830	0.00460	0.0277
	09/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/03/2020	0.000730 J	0.00107 J	0.000740 J	0.001530 J	0.004070
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	0.00723	<0.00200	0.00609	0.00130 J	0.0146
	06/23/2022	0.00405 B	<0.000367	<0.000657 *1	<0.000642 *1	0.00405
MW-16	06/21/2023	<0.00500	<0.00500	0.0168	<0.0250	-

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-18	03/09/2016	0.000400 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	0.0335	<0.00100	0.00463	0.00209	0.0402
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00435	0.000840 J	<0.000657	<0.000630	0.00519
	06/19/2018	0.00352	<0.000367	<0.000657	<0.000630	0.00352
	03/19/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/27/2019	0.00126	0.000490	<0.000657	0.000770	0.00252
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/25/2020	0.00590	<0.000512	0.00470	0.00490	0.0155
	06/25/2020	0.00854	0.00193 J	0.0678	0.114	0.192
	09/11/2020	0.0112	<0.000367	0.00741	0.00137 J	0.0200
	12/03/2020	0.00124 J	0.000700 J	0.000870 J	0.0009200 J	0.003730
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.00266 B	<0.00200	0.000696 J	<0.00400	0.00336 J B
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	0.000393 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
MW-19	09/19/2017	0.283	0.286	0.429 D	0.585	1.58
	12/19/2017	0.324	1.03 D	0.662 D	0.983	3.00
	03/29/2018	0.0389	0.186	0.176	0.385	0.786
	06/19/2018	0.0258	0.159	0.149	0.222	0.555
	09/19/2018	0.0897	0.256	0.756 D	1.16	2.26
	12/19/2018	0.0106	0.00570	0.177	0.261	0.454
	03/19/2019	0.00387	0.00208	0.29	0.281	0.577
	09/21/2021	0.00810	<0.00200	0.0634	0.00768	0.0792
	03/23/2022	0.0110	<0.000367	0.0880	0.00490	0.104
	06/22/2022	0.0266 *1	0.00962 *1	0.298	0.160	0.494

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-21	03/09/2016	1.75	<0.00476	0.294	0.0383	-
	06/08/2016	1.74	<0.0248	0.280	0.0467	-
	09/21/2016	3.38	<0.0329	0.364	0.158	-
	12/07/2016	5.32	<0.0250	0.485	0.344	-
	03/22/2017	0.371	<0.000367	0.0460	0.0124	0.429
	05/24/2017	11.6	<0.0500	1.31	<0.0321	12.9
	09/19/2017	8.34 D	<0.00100	1.28 D	0.234	9.85
	12/19/2017	1.96 D	<0.000367	0.0338	0.00700	2.00
	03/29/2018	0.358	0.000850 J	0.0653	0.0109	0.435
	06/19/2018	1.60 D	<0.000367	0.258	0.0508	1.91
	09/19/2018	1.18 D	0.000650 J	0.141	0.0170	1.34
	12/19/2018	0.374	<0.000512	0.0639	0.0140	0.452
	03/20/2019	1.22	<0.0005	0.185	0.0335	1.44
	06/27/2019	1.67	<0.00184	0.517	0.0190	2.21
	09/23/2019	7.46	<0.000367	0.117	0.0102	7.59
	12/11/2019	1.45	<0.000367	0.126	0.0430	1.62
	03/25/2020	0.0699	<0.000512	0.00670	0.00170	0.0783
	06/24/2020	2.38 D	<0.000367	0.399	0.0589	2.84
	09/11/2020	4.55	<0.00734	0.777	0.0926	5.42
	12/03/2020	11.9 D	0.00236	1.92 D	0.2209	14.04
	03/25/2021	12.9	0.0685	1.07	0.258	15.6
	06/22/2021	0.0383 B	0.000559 J	0.390	0.0631 B	0.492 B
	09/21/2021	5.17	<0.100 U	1.52	0.3839	7.07
	12/15/2021	4.06	<0.00200	1.39	0.115	5.57
	03/23/2022	1.91 J	0.574 J	<0.657	0.730 J	3.21 J
	06/22/2022	0.119 *1 F2	0.000367 *1 F	0.121 F2	0.00544 F2	0.245
	09/28/2022	<0.000408	<0.000367	0.00102 J	<0.000642	0.00102 J
	12/29/2022	0.613	<0.000367	0.211	0.0274	0.851
	03/24/2023	0.00844	<0.000367	0.0182	<0.000642	0.0266
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000530
	03/19/2024	0.213	<0.0010	0.359	0.304	0.877
	06/17/2024	0.146	<0.00100	0.243	0.00846	0.398
	09/18/2024	0.00515	<0.00100	0.173	0.00467	0.183
	12/17/2024	<0.00100	<0.00100	0.00137	<0.00100	0.00137

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-22	03/09/2016	2.05	<0.00476	0.304	<0.00486	-
	06/08/2016	1.88	<0.0248	0.247	<0.0102	-
	09/21/2016	3.20	<0.0329	0.452	0.109	-
	12/07/2016	1.28	<0.0200	0.152	<0.0128	-
	03/22/2017	0.373	<0.000367	0.0477	<0.000630	0.421
	05/24/2017	1.23	<0.00500	0.113	<0.00321	1.34
	09/19/2017	0.928 D	<0.00100	0.289	<0.000630	1.22
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00392	0.000750 J	<0.000657	<0.000630	0.00467
	06/19/2018	0.00404	0.00121 J	0.000860 J	<0.000630	0.00611
	09/19/2018	0.000910 J	<0.000367	0.000760 J	0.00175 J	0.00342
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	0.00136	<0.0005	0.00323	<0.0005	0.00459
	06/27/2019	0.00447	<0.000367	0.0225	<0.00063	0.0270
	09/23/2019	0.0471	<0.000367	0.0507	<0.00063	0.0978
	12/11/2019	0.0154	0.000500	0.0264	<0.000630	0.0423
	03/25/2020	0.0592	<0.000512	0.0134	0.00450	0.0771
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.108	0.000820 J	0.0317	0.00410	0.145
	12/03/2020	0.0302	0.00125 J	0.0166	0.0007500 J	0.04880
	03/26/2021	0.0545	<0.00200	0.0305	<0.00400	0.0857
	06/22/2021	0.00114 J B	<0.00200	0.00172 J	<0.00400	0.00286 J B
	09/21/2021	<0.00200	<0.00200	0.00963	<0.00400	0.00963
	12/16/2021	0.000754 J B	<0.00200	<0.00200	<0.00400	0.000754 J
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/29/2022	0.00291	<0.000367	<0.000657	<0.000642	0.00291 J
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-23	03/09/2016	0.000500 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00647	0.000630 J	<0.000657	<0.000630	0.00710
	06/19/2018	0.00521	0.00104 J	0.00209	0.00143 J	0.00977
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/26/2019	0.00130	0.00100	<0.000657	0.000760	0.00306
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00435	<0.000367	0.00235	0.000810	0.00751
	03/25/2020	0.0109	<0.000512	0.00450	0.00180	0.0172
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.0161	<0.000367	0.0103	0.00130 J	0.0277
	12/03/2020	0.00131 J	0.000870 J	0.000840 J	0.0007800 J	0.003800
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.000928 J B	<0.00200	0.000660 J	<0.00400	0.00159 J B
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/16/2021	0.000813 J B	<0.00200	<0.00200	<0.00400	0.000813 J
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/22/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.000657
	09/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/27/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-24	03/09/2016	0.000300 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00480	<0.000367	<0.000657	<0.000630	0.00480
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	0.000930 J	<0.00100	<0.000657	<0.000630	0.000930 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00399	0.000790 J	<0.000657	0.000650 J	0.00543
	06/19/2018	0.00130 J	<0.000367	0.00197 J	0.000850 J	0.00412
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/27/2019	0.000510	<0.000367	<0.000657	<0.00063	0.000510
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.0178	<0.000367	0.00685	0.00217	0.0268
	03/25/2020	0.0164	<0.000512	0.00690	0.00220	0.0255
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.0122	<0.000367	0.00856	0.00176 J	0.0225
	12/03/2020	0.000860 J	0.000890 J	<0.002000	<0.002000	0.001750 J
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.0195 B	<0.00200	0.000929 J	<0.00400	0.0204 B
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/22/2022	<0.000408 *1	<0.000367 *1	0.00241	0.001070 J	0.00348 J
	09/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/29/2022	0.00140 J	<0.000367	0.000889 J	<0.000642	0.00229 J
	03/28/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/28/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-25	09/19/2017	7.91	0.204	0.852	1.00	9.97
	12/20/2017	4.95 D	0.0112	0.243	0.176	5.38
	03/29/2018	1.15 D	0.00367	0.0851	0.0889	1.33
	06/19/2018	1.48 D	0.000810 J	0.134	0.109	1.72
	09/19/2018	1.40 D	0.00158 J	0.00371	0.0681	1.47
	12/19/2018	3.64	<0.0051	0.330	0.320	4.29
	03/20/2019	2.45	0.000820	0.397	0.253	3.10
	06/26/2019	4.67	<0.0367	0.776	0.513	5.96
	03/25/2020	0.434	<0.00256	0.104	0.0830	0.621
	06/25/2020	0.137	0.00105 J	0.0324	0.0464	0.217
	09/11/2020	0.146	<0.000367	0.0165	0.00572	0.168
	03/25/2021	0.170	<0.00200	0.0403	0.0288	0.239
	06/22/2021	0.00431 B	0.000407 J	0.0478	0.0141 B	0.0666 B
	09/21/2021	0.833	0.000406 J	0.130	0.104	1.07
	12/15/2021	2.02	<0.00200	0.0732	0.0317	2.12
	03/23/2022	1.26	<0.000367	0.0676	0.0501	1.38
	06/23/2022	0.268 F2 F1 B	<0.000367	0.0117 F2 F1 *	0.00653 F2 F1 *	0.286
	09/27/2022	0.392 B	0.000603 J B	0.00666	0.00321 J B	0.402
	12/29/2022	0.00333	0.000607 J	0.00189 J	<0.000642	0.00583
	03/24/2023	0.0137 J	<0.00367	<0.00657	<0.00642	0.0137 J
	06/21/2023	0.0123	<0.00500	0.00657	<0.0250	-
	09/27/2023	0.00140	<0.00100	<0.00100	<0.00100	0.00204
	12/28/2023	0.00209	<0.00100	<0.00100	<0.00100	0.00293
	03/19/2024	0.018	<0.00100	<0.00100	<0.00100	0.0180
	06/17/2024	0.321	<0.00100	0.0307	0.0132	0.365

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-28	03/09/2016	0.000900 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	0.00130	<0.000621	<0.000763	<0.000256	-
	12/07/2016	0.00485	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00392	<0.000367	<0.000657	<0.000630	0.00392
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	0.0171	<0.00100	0.00191 J	0.00130 J	0.0203
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00558	0.00101 J	<0.000657	0.000800 J	0.00739
	06/19/2018	0.000960 J	<0.000367	<0.000657	<0.000630	0.000960 J
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	0.00496	<0.0005	0.000760	<0.0005	0.00572
	06/26/2019	0.000660	0.000520	<0.000657	<0.00063	0.00118
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00226	<0.000367	0.00151	0.000680	0.00445
	03/25/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/10/2020	<0.000408	<0.000367	<0.000657	0.00112 J	0.00112 J
	12/03/2020	0.00103 J	0.00160 J	0.00100 J	0.001370 J	0.005000
	03/25/2021	0.000755 J	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/16/2021	0.00323 B	<0.00200	0.00164 J	<0.00400	0.00487
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.000657
	09/27/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-29	03/29/2018	1.12 D	0.212	0.134	0.219	1.68
MW-30	06/21/2023	0.0661	<0.00500	0.0215	0.0302	-
	09/26/2023	0.0494	<0.00100	0.0133	0.000600	0.0634

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-31	03/09/2016	0.000500 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00279	<0.000367	<0.000657	<0.000630	0.00279
	05/24/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	0.0448	0.00429	0.00745	0.00791	0.0645
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00168 J	0.000890 J	<0.000657	<0.000630	0.00257
	06/19/2018	0.000860 J	<0.000367	0.000750 J	<0.000630	0.00161 J
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	0.000600 J	0.00100 J	0.00210	0.00370
	03/20/2019	0.0109	<0.0005	0.00103	<0.0005	0.0119
	06/27/2019	0.00107	0.000630	<0.000657	<0.00063	0.00170
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/25/2020	0.0352	<0.000512	0.00940	0.00310	0.0477
	06/25/2020	0.0154	<0.000367	0.00766	<0.000630	0.0231
	09/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/03/2020	0.00244	0.000990 J	0.00116 J	0.001130 J	0.005720
	03/25/2021	0.000624 J	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.00146 J B	<0.00200	<0.00200	<0.00400	0.00146 J B
	09/21/2021	<0.00200	<0.00200	0.000816 J	<0.00400	<0.00200
	12/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-32	03/09/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00533	<0.000367	<0.000657	<0.000630	0.00533
	05/24/2017	0.00440	<0.00100	<0.000657	<0.000642	0.00440
	09/19/2017	0.0100	<0.00100	0.00133 J	0.000860 J	0.0122
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/19/2018	0.000640 J	<0.000367	<0.000657	<0.000630	0.000640 J
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/27/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00538	<0.000367	0.00262	0.000900	0.00890
	03/25/2020	0.0158	<0.000512	0.00560	0.00200	0.0234
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.0125	<0.000367	0.00917	0.00164 J	0.0233
	12/03/2020	0.000590 J	0.000750 J	0.000850 J	0.0009700 J	0.003160
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	0.00319	0.000431 J	0.00349	0.00130 J	0.00866 *+
	12/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/23/2022	0.00115 J	0.000388 J	<0.000657	<0.000642	0.00154 J
	06/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/27/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/20/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 3 - Groundwater Analytical Data - Historical
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-33	03/09/2016	0.000700 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00619	<0.000367	<0.000657	<0.000630	0.00619
	05/24/2017	0.00267	<0.00100	<0.000657	<0.000642	0.00267
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00466	0.000880 J	<0.000657	<0.000630	0.00554
	06/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	0.00519	<0.0005	0.000570	<0.0005	0.00576
	06/26/2019	0.000470	0.000400	<0.000657	<0.00063	0.000870
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00160	0.000380	0.00105	<0.000630	0.00303
	03/25/2020	<0.000480	<0.000512	<0.000616	0.000600 J	0.000600 J
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/03/2020	0.000470 J	0.00123 J	0.00114 J	0.0007700 J	0.003610
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.000636 J B	0.000647 J	0.000870 J	0.000764 J B	0.00292 J B
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/16/2021	0.00197 J B	<0.00200	0.000815 J	<0.00400	0.00279 J
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/21/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.000657
	09/27/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/24/2023	<0.000408	0.000412 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.0250	-
	09/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/26/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/18/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Notes:

Lab Flags noted next to values. See lab report for description.

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

< = Analyte not detected.

Analyte concentration exceeds the standard for:

NMWQCC Groundwater Standards

Table 4 - Groundwater Analytical - Historical - PAH Supplement
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Date Sampled	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC - Groundwater		-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.03	0.001	0.001
MW-18	08/21/2008	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	08/12/2009	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
	03/25/2020	<0.000108	<0.0000911	<0.0000938	<0.000146	<0.0000618	<0.0000770	<0.000123	<0.000126	<0.000169	<0.0000823	-	<0.000170	<0.000109	<0.0000989	0.000197 J	<0.0000921	<0.000141
	03/24/2023	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.0001550	<0.0000999	<0.0000903	<0.0000962	<0.0000841	<0.000129
MW-21	03/09/2016	<0.0000410	<0.0000718	<0.0000396	<0.0000890	<0.0000516	<0.0000877	<0.0000641	<0.0000693	<0.000100	<0.0000694	0.000199 J	<0.0000788	<0.0000973	<0.0000663	0.000362	<0.0000637	<0.0000512
	03/29/2018	0.0000263 J	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000317	<0.0000090	0.000182	<0.0000049	0.00143	0.000135	<0.0000092
	03/20/2019	0.0000454	<0.0000072	<0.0000075	<0.0000063	<0.0000095	<0.0000090	<0.0000079	<0.0000077	<0.0000087	<0.0000049	0.000453	<0.0000089	0.000270	<0.0000049	0.00111	0.000178	<0.0000091
	03/25/2020	<0.000113	<0.0000951	<0.0000979	<0.000152	<0.0000645	<0.0000803	<0.000128	<0.000131	<0.000176	<0.0000859	-	<0.000178	0.000376	<0.000103	0.00128	0.000389	<0.000147
MW-22	03/09/2016	<0.0000335	<0.0000587	<0.0000324	<0.0000728	<0.0000422	<0.0000717	<0.0000524	<0.0000567	<0.0000819	<0.0000568	<0.0000613	<0.0000644	<0.0000796	<0.0000542	0.000138 J	<0.0000521	<0.0000419
	03/29/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.0000630	<0.0000090	<0.0000055	<0.0000049	0.000285 J	<0.0000055	<0.0000092
	03/20/2019	0.0000462	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.0000720	<0.0000090	<0.0000055	<0.0000049	0.000143	<0.0000055	<0.0000092
	03/25/2020	<0.000103	<0.0000870	<0.0000895	<0.000139	<0.0000589	<0.0000734	<0.000117	<0.000120	<0.000161	<0.0000785	-	<0.000162	<0.000104	<0.0000943	0.000225 J	<0.0000879	<0.000135
MW-28	03/09/2016	<0.0000373	<0.0000653	<0.0000361	<0.0000810	<0.0000470	<0.0000798	<0.0000583	<0.0000630	<0.0000912	<0.0000632	<0.0000682	<0.0000717	<0.0000886	<0.0000604	<0.0000737	<0.0000580	<0.0000466
	03/29/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.000128 J	<0.0000055	<0.0000092
	03/20/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/25/2020	<0.000108	<0.0000908	<0.0000934	<0.000145	<0.0000615	<0.0000767	<0.000122	<0.000125	<0.000168	<0.0000820	-	<0.000170	<0.000109	<0.0000985	<0.000105	<0.0000917	<0.000141
MW-31	03/09/2016	<0.0000361	<0.0000632	<0.0000349	<0.0000784	<0.0000454	<0.0000772	<0.0000564	<0.0000610	<0.0000882	<0.0000611	<0.0000660	<0.0000694	<0.0000856	<0.0000584	<0.0000713	<0.0000561	<0.0000451
	03/29/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000973 J	<0.0000055	<0.0000092
	03/20/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/25/2020	<0.000102	<0.0000860	<0.0000885	<0.000137	<0.0000583	<0.0000726	<0.000116	<0.000119	<0.000159	<0.0000776	-	<0.000161	<0.000103	<0.0000933	0.000153 J	<0.0000869	<0.000133
MW-32	03/09/2016	<0.0000426	<0.0000745	<0.0000412	<0.0000924	<0.0000536	<0.0000910	<0.0000665	<0.0000719	<0.000104	<0.0000720	<0.0000778	<0.0000818	<0.000101	<0.0000688	<0.0000841	<0.0000662	<0.0000532
	03/29/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/20/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000671	<0.0000056	<0.0000093
MW-33	03/09/2016	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000604	<0.0000635	<0.0000784	<0.0000534	<0.0000653	<0.0000513	<0.0000413
	03/29/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000980 J	<0.0000055	<0.0000092
	03/20/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/25/2020	<0.000103	<0.0000869	<0.0000894	<0.000139	<0.0000589	<0.0000734	<0.000117	<0.000120	<0.000161	<0.0000784	-	<0.000162	<0.000104	<0.0000942	<0.000100	<0.0000878	<0.000134

Notes:

Lab Flags noted next to values. See lab report for description.

BRL = Below Reporting Limits

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

< = Analyte not detected.

Analyte concentration exceeds the standard for:

NMWQCC Groundwater Standards

Table 5 - Groundwater Analytical Data - MNA Supplement
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Date Sampled	Ethane (mg/L)	Ethene (mg/L)	Methane (mg/L)*	Ferrous Iron (mg/L)	Manganese (mg/L)	Phenolphthalein Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Hydroxide Alkalinity (mg/L)	Carbonate Alkalinity (mg/L)	Alkalinity (mg/L)	Sulfate (mg/L)	Nitrate as N (mg/L)
MW-6	03/31/2008	-	-	-	-	BRL	-	-	-	-	-	66.7	3.50
MW-19	12/15/2021	-	-	4180	<0.0500 HF	0.123	<4.00	575	<4.00	<4.00	575	17.8	0.193
	06/22/2022	-	-	486	<0.0280 HF	0.0887 B	<4.00	496	<4.00	<4.00	496	21.8	0.273
MW-21	06/22/2022	-	-	1270	0.0300 J HF	0.0625 B	<4.00	364	<4.00	<4.00	364	43.0	0.210
	09/28/2022	-	-	627	0.0900	0.0691	<4.00	231	<4.00	<4.00	231	56.0	0.496
	12/29/2022	-	-	1860	0.510	0.0611	<4.00	394	<4.00	<4.00	394	26.7	0.352
	03/24/2023	-	-	625	0.170 HF	0.0582	<4.00	300	<4.00	<4.00	300	41.4	0.227
	06/21/2023	-	-	<2.50	0.451	0.0378	-	<10.0	<10.0	<10.0	260	58.6	0.365
	09/27/2023	-	-	119	0.254	0.0385	-	<10.0	<10.0	<10.0	250	60.2	0.359
	12/28/2023	-	-	1480	0.499	0.0534	-	<10.0	<10.0	<10.0	270	55.8	0.313
	03/19/2024	0.0118	<0.00100	1.57	0.520	0.0755	-	<10.0	<10.0	<10.0	250	16.2	<0.200
	06/17/2024	<0.00100	<0.00100	1.33	0.685	0.0814	-	69.0	<10.0	<10.0	69.0	21.6	<0.200
	09/18/2024	<0.00100	<0.00100	1.09	0.659	0.0775	-	488	<10.0	<10.0	488	28.7	0.965
	12/17/2024	<0.00100	<0.00100	0.822	0.561	0.0744	-	-	-	-	491	27.1	<0.200
MW-23	06/20/2008	-	-	-	-	0.0430	-	198	BRL	BRL	198	158	3.70
	03/23/2022	-	-	1500	<0.0280 HF	0.0478	<4.00	276	<4.00	<4.00	276	62.3	0.810
	06/22/2022	-	-	0.813 J	0.660	0.0232 B	<4.00	285	<4.00	<4.00	285	121	2.36
	09/29/2022	-	-	<0.453	0.470	0.00507	<4.00	268	<4.00	<4.00	268	121	1.95
	12/28/2022	-	-	<0.453	0.160	0.00528	<4.00	295	<4.00	<4.00	295	109	1.65
	03/27/2023	-	-	<0.453	0.230 HF	0.00122 J	<4.00	280	<4.00	<4.00	280	115	1.73
	06/21/2023	-	-	0.863	<0.200	<0.00500	-	<10.0	<10.0	<10.0	330	107	1.94
	09/27/2023	-	-	0.642	<0.200	<0.00500	-	<10.0	<10.0	<10.0	240	104	1.74
	12/28/2023	-	-	3.10	<0.200	<0.00500	-	<10.0	<10.0	<10.0	340	106	2.50
	03/19/2024	<0.00100	<0.00100	0.0150	<0.200	<0.00500	-	<10.0	<10.0	<10.0	320	84.8	0.616
	06/19/2024	<0.00100	<0.00100	0.0377	<0.200	0.0120	-	69.0	<10.0	<10.0	69.0	162	1.15
	09/18/2024	<0.00100	<0.00100	0.0636	<0.200	<0.00500	-	342	<10.0	<10.0	342	89.3	1.78
	12/17/2024	<0.00500	<0.00100	0.104	<0.200	<0.00500	-	-	-	-	296	97.2	1.13

Table 5 - Groundwater Analytical Data - MNA Supplement
Hobbs Junction Main Line
Hobbs, NM
SRS#: 2003-00017

Sample ID	Date Sampled	Ethane (mg/L)	Ethene (mg/L)	Methane (mg/L)*	Ferrous Iron (mg/L)	Manganese (mg/L)	Phenolphthalein Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Hydroxide Alkalinity (mg/L)	Carbonate Alkalinity (mg/L)	Alkalinity (mg/L)	Sulfate (mg/L)	Nitrate as N (mg/L)
MW-24	06/20/2008	-	-	-	-	0.0280	-	238	BRL	BRL	238	154	5.27
	12/16/2021	-	-	<5.00	<0.0500 HF	0.00746	<4.00	220	<4.00	<4.00	220	105	2.31
	03/23/2022	-	-	<0.453	<0.0280 HF	0.00472	<4.00	215	<4.00	<4.00	215	125	2.35
	06/22/2022	-	-	0.979 J	0.0600	0.0130 B	<4.00	235	<4.00	<4.00	235	105	2.25
	09/29/2022	-	-	<0.453	0.280	0.00509	<4.00	227	<4.00	<4.00	227	108	2.26
	12/29/2022	-	-	0.554 J	0.160	0.00545	<4.00	234	<4.00	<4.00	234	95.4	2.30
	03/28/2023	-	-	<0.453	0.0800 HF	0.00669	<4.00	231	<4.00	<4.00	231	105	2.07
	06/21/2023	-	-	0.503	<0.200	<0.00500	-	<10.0	<10.0	<10.0	280	98.7	2.46
	09/27/2023	-	-	0.767	<0.200	<0.00500	-	<10.0	<10.0	<10.0	220	95.6	2.26
	12/28/2023	-	-	7.87	<0.200	<0.00500	-	<10.0	<10.0	<10.0	370	116	1.66
	03/20/2024	<0.00100	<0.00100	0.000588	<0.200	<0.00500	-	<10.0	<10.0	<10.0	268	95.5	1.50
	06/19/2024	<0.00100	<0.00100	0.00265	<0.200	<0.00500	-	88.0	<10.0	<10.0	88.0	123	2.41
MW-25	09/18/2024	<0.00100	<0.00100	0.00110	<0.200	<0.00500	-	260	<10.0	<10.0	260	95.1	2.87
	12/17/2024	<0.00100	<0.00100	0.00587	<0.200	<0.00500	-	-	-	-	246	97.0	2.00
	12/15/2021	-	-	2970	0.0300 J HF	0.0783	<4.00	350	<4.00	<4.00	350	49.3	0.754
	03/23/2022	-	-	<0.453	<0.0280 HF	0.0215	<4.00	256	<4.00	<4.00	256	105	2.56
	09/27/2022	-	-	753	0.520	0.121	<4.00	259	<4.00	<4.00	259	74.9	0.678
	12/29/2022	-	-	1330	0.0500	0.0267	<4.00	293	<4.00	<4.00	293	66.0	0.342
	03/24/2023	-	-	1900	0.100 HF	0.0268	<4.00	321	<4.00	<4.00	321	66.0	0.379
	06/21/2023	-	-	1140	0.643	0.0401	-	<10.0	<10.0	<10.0	440	58.0	<0.200
	09/27/2023	-	-	625	<0.200	0.0250	-	<10.0	<10.0	<10.0	420	52.6	0.419
	12/28/2023	-	-	646	<0.200	<0.00500	-	<10.0	<10.0	<10.0	360	76.9	1.03
	03/19/2024	0.00388	<0.00100	0.813	107	0.491	-	<10.0	<10.0	<10.0	435	69.2	<0.200
	06/17/2024	<0.00100	<0.00100	1.20	3.03	0.0471	-	<10.0	<10.0	<10.0	73.0	53.6	0.513

Notes:

Lab Flags noted next to values. See lab report for description.

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

< = Analyte not detected.

(mg/L)* = Data prior to 2024 reported in µg/L



APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: Plains All American Pipeline

Lab Order Number: 4C19016



Current Certification

Report Date: 04/15/24

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-25	4C19016-01	Water	03/19/24 09:51	03-19-2024 16:35
MW-21	4C19016-02	Water	03/19/24 11:10	03-19-2024 16:35
MW-23	4C19016-03	Water	03/19/24 12:30	03-19-2024 16:35

Dissolved Metals and RSK175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-25
4C19016-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	0.00388	0.00100	mg/L	1	P4C2706	03/25/24 10:32	03/25/24 20:56	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4C2706	03/25/24 10:32	03/25/24 20:56	8015M	SUB-13
Methane	0.813	0.0250	mg/L	1	P4C2706	03/25/24 10:32	03/25/24 14:19	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	435	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 13:49	EPA 300.0	
Sulfate	69.2	5.00	mg/L	5	P4C2015	03/20/24 16:01	03/21/24 14:00	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	107	0.200	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 10:32	EPA 6020A	SUB-13
Manganese	0.491	0.00500	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 10:32	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4C19016-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	0.0118	0.00100	mg/L	1	P4C2706	03/25/24 11:38	03/25/24 11:38	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4C2706	03/25/24 11:38	03/25/24 11:38	8015M	SUB-13
Methane	1.57	0.0500	mg/L	1	P4C2706	03/25/24 11:38	03/25/24 14:33	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	250	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Nitrate as N	ND	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 14:47	EPA 300.0	
Sulfate	16.2	10.0	mg/L	10	P4C2015	03/20/24 16:01	03/21/24 14:58	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.520	0.200	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 21:14	EPA 6020A	SUB-13
Manganese	0.0755	0.00500	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 21:14	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-23
4C19016-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4C2706	03/25/24 11:48	03/25/24 11:48	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4C2706	03/25/24 11:48	03/25/24 11:48	8015M	SUB-13
Methane	0.0150	0.000500	mg/L	1	P4C2706	03/25/24 11:48	03/25/24 11:48	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	320	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Nitrate as N	0.616	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 15:07	EPA 300.0	
Sulfate	84.8	10.0	mg/L	10	P4C2015	03/20/24 16:01	03/21/24 15:18	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 21:16	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4C2706	03/25/24 10:30	03/25/24 21:16	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4C2013 - * DEFAULT PREP *****

Blank (P4C2013-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	ND	0.200	mg/L							
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LCS (P4C2013-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0		91.0	90-110			
--------------	------	--	------	------	--	------	--------	--	--	--

LCS Dup (P4C2013-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0		90.8	90-110	0.303	10	
--------------	------	--	------	------	--	------	--------	-------	----	--

Calibration Check (P4C2013-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	19.7		mg/L	20.0		98.4	90-110			
--------------	------	--	------	------	--	------	--------	--	--	--

Matrix Spike (P4C2013-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.2	80-120			
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Matrix Spike Dup (P4C2013-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.6	80-120	0.399	20	
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Batch P4C2015 - * DEFAULT PREP *****

Blank (P4C2015-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	ND	1.00	mg/L							
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LCS (P4C2015-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0		101	90-110			
---------	------	--	------	------	--	-----	--------	--	--	--

LCS Dup (P4C2015-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0		101	90-110	0.148	10	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4C2015 - * DEFAULT PREP *****

Calibration Check (P4C2015-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.8		mg/L	18.0		99.0	90-110			
---------	------	--	------	------	--	------	--------	--	--	--

Calibration Check (P4C2015-CCV2)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.7		mg/L	18.0		98.5	90-110			
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Matrix Spike (P4C2015-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	107		mg/L	100	13.8	93.2	80-120			
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Matrix Spike Dup (P4C2015-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	106		mg/L	100	13.8	91.9	80-120	1.24	20	
---------	-----	--	------	-----	------	------	--------	------	----	--

Batch P4C2608 - * DEFAULT PREP *****

Blank (P4C2608-BLK1)

Prepared & Analyzed: 04/15/24

Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P4C2608-BS1)

Prepared & Analyzed: 04/15/24

Total Alkalinity	217		mg/L	250		86.8	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	ND	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Duplicate (P4C2608-DUP1)

Source: 4C13012-01

Prepared & Analyzed: 04/15/24

Total Alkalinity	222	10.0	mg/L		138			46.7	20	
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	ND	10.0	"		ND				20	
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/15/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



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

March 26, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24031300**

Laboratory Results for: **4C19016**

Dear Brent Barron,

ALS Environmental received 3 sample(s) on Mar 21, 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
Anna Kinchen
Project Manager

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
Work Order: HS24031300

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031300-01	4C19016-01	Water		19-Mar-2024 09:51	21-Mar-2024 09:50	☐
HS24031300-02	4C19016-02	Water		19-Mar-2024 11:10	21-Mar-2024 09:50	☐
HS24031300-03	4C19016-03	Water		19-Mar-2024 12:30	21-Mar-2024 09:50	☐

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
Work Order: HS24031300

CASE NARRATIVE

Work Order Comments

- Log In Comments:
pH lot: 30010709702. COC states 5 bottles for all samples. Lab received 4.

GC Semivolatiles by Method RSK-175

Batch ID: R462208

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

Metals by Method SW6020A

Batch ID: 209351

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

ALS Houston, US

Date: 26-Mar-24

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4C19016	WorkOrder:HS24031300
Sample ID:	4C19016-01	Lab ID:HS24031300-01
Collection Date:	19-Mar-2024 09:51	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	3.88		1.00	ug/L	1	25-Mar-2024 10:32
Ethene	ND		1.00	ug/L	1	25-Mar-2024 10:32
Methane	813		25.0	ug/L	50	25-Mar-2024 14:19
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	1.07		0.200	mg/L	1	25-Mar-2024 20:56
Manganese	0.0491		0.00500	mg/L	1	25-Mar-2024 20:56

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

ALS Houston, US

Date: 26-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C19016

Sample ID:4C19016-02

Collection Date:19-Mar-2024 11:10

ANALYTICAL REPORT

WorkOrder:HS24031300

Lab ID:HS24031300-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	11.8		1.00	ug/L	1	25-Mar-2024 11:38
Ethene	ND		1.00	ug/L	1	25-Mar-2024 11:38
Methane	1,570		50.0	ug/L	100	25-Mar-2024 14:33
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	0.520		0.200	mg/L	1	25-Mar-2024 21:14
Manganese	0.0755		0.00500	mg/L	1	25-Mar-2024 21:14

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

ALS Houston, US

Date: 26-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C19016

Sample ID:4C19016-03

Collection Date:19-Mar-2024 12:30

ANALYTICAL REPORT

WorkOrder:HS24031300

Lab ID:HS24031300-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	ND		1.00	ug/L	1	25-Mar-2024 11:48
Ethene	ND		1.00	ug/L	1	25-Mar-2024 11:48
Methane	15.0		0.500	ug/L	1	25-Mar-2024 11:48
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	25-Mar-2024 21:16
Manganese	ND		0.00500	mg/L	1	25-Mar-2024 21:16

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
WorkOrder: HS24031300

Batch ID: 209351	Start Date: 25 Mar 2024 10:30	End Date: 25 Mar 2024 10:30
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031300-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031300-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24031300-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
WorkOrder: HS24031300

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 209351 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24031300-01	4C19016-01	19 Mar 2024 09:51		25 Mar 2024 10:30	25 Mar 2024 20:56	1
HS24031300-02	4C19016-02	19 Mar 2024 11:10		25 Mar 2024 10:30	25 Mar 2024 21:14	1
HS24031300-03	4C19016-03	19 Mar 2024 12:30		25 Mar 2024 10:30	25 Mar 2024 21:16	1
Batch ID: R462208 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24031300-01	4C19016-01	19 Mar 2024 09:51			25 Mar 2024 14:19	50
HS24031300-01	4C19016-01	19 Mar 2024 09:51			25 Mar 2024 10:32	1
HS24031300-02	4C19016-02	19 Mar 2024 11:10			25 Mar 2024 14:33	100
HS24031300-02	4C19016-02	19 Mar 2024 11:10			25 Mar 2024 11:38	1
HS24031300-03	4C19016-03	19 Mar 2024 12:30			25 Mar 2024 11:48	1

Client:Permian Basin Environmental Lab, LP

Project:4C19016

WorkOrder:HS24031300

QC BATCH REPORT

Batch ID: R462208 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240325	Units: ug/L		Analysis Date: 25-Mar-2024 07:52					
Client ID:	Run ID: FID-4_462208		SeqNo: 7907868		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240325	Units: ug/L		Analysis Date: 25-Mar-2024 08:01					
Client ID:	Run ID: FID-4_462208		SeqNo: 7907869		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	18	1.00	18.04	0	99.8	75 - 125			
Ethene	15.8	1.00	16.8	0	94.1	75 - 125			
Methane	9.39	0.500	9.647	0	97.3	75 - 125			

LCSD	Sample ID: LCSD-240325	Units: ug/L		Analysis Date: 25-Mar-2024 08:09					
Client ID:	Run ID: FID-4_462208		SeqNo: 7907870		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.37	1.00	18.04	0	96.3	75 - 125	18	3.59	30
Ethene	14.39	1.00	16.8	0	85.6	75 - 125	15.8	9.37	30
Methane	9.128	0.500	9.647	0	94.6	75 - 125	9.39	2.82	30

The following samples were analyzed in this batch:		HS24031300-01	HS24031300-02	HS24031300-03
--	--	---------------	---------------	---------------

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
WorkOrder: HS24031300

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:53					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906807		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:55					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906808		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.985	0.200	5	0	99.7	80 - 120			
Manganese	0.04711	0.00500	0.05	0	94.2	80 - 120			
MS	Sample ID: HS24031300-01MS	Units: mg/L		Analysis Date: 25-Mar-2024 21:00					
Client ID: 4C19016-01	Run ID: ICPMS06_462098	SeqNo: 7906811		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.584	0.200	5	1.074	90.2	75 - 125			
Manganese	0.09428	0.00500	0.05	0.04907	90.4	75 - 125			
MSD	Sample ID: HS24031300-01MSD	Units: mg/L		Analysis Date: 25-Mar-2024 21:02					
Client ID: 4C19016-01	Run ID: ICPMS06_462098	SeqNo: 7906812		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.402	0.200	5	1.074	86.6	75 - 125	5.584	3.32	20
Manganese	0.09099	0.00500	0.05	0.04907	83.8	75 - 125	0.09428	3.56	20
PDS	Sample ID: HS24031300-01PDS	Units: mg/L		Analysis Date: 25-Mar-2024 21:04					
Client ID: 4C19016-01	Run ID: ICPMS06_462098	SeqNo: 7906813		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.44	0.200	10	1.074	93.7	75 - 125			
Manganese	0.1353	0.00500	0.1	0.04907	86.2	75 - 125			

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
WorkOrder: HS24031300

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS24031300-01SD		Units: mg/L		Analysis Date: 25-Mar-2024 20:58			
Client ID: 4C19016-01		Run ID: ICPMS06_462098		SeqNo: 7906810		PrepDate: 25-Mar-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Iron	1.151	1.00					1.074	7.11	10
Manganese	0.0508	0.0250					0.04907	3.52	10
The following samples were analyzed in this batch:									
HS24031300-01HS24031300-02HS24031300-03									

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C19016
WorkOrder: HS24031300

**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

ALS Houston, US

Date: 26-Mar-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 26-Mar-24

Sample Receipt Checklist

Work Order ID: HS24031300

Date/Time Received: 21-Mar-2024 09:50

Client Name: Permian Basin Lab

Received by: Si Ma

Completed By: /S/ Michael Lucio	22-Mar-2024 17:50	Reviewed by: /S/ Jessica Monfore	25-Mar-2024 07:57
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 ☐	1 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):

1.2uc/1.1c IR31

Cooler(s)/Kit(s):

red

Date/Time sample(s) sent to storage:

03/22/2024 17:51

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: pH lot: 30010709702

COC states 5 bottles for all samples. Lab received 4.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

HS24031300

Permian Basin Environmental Lab, LP
4C19016

[illegible]

ORIGIN: D.M.A.F.A. BRIGHT BARRON PDE LAB 1400 RANVIN HWY MIDLAND, TX 79701 UNITED STATES US	14321 886-7235	SHIP DATE: 20MAR24 ACTWG: 35.00 LB GAD: 107130846/NET4535 DIMS: 15x12x3 IN BILL RECIPIENT:
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD HOUSTON TX 77099		
(781) 530 5855 REF: INV: PO: DEPT:		
		
		
THU - 21 MAR 5:00P STANDARD OVERNIGHT		
TRKW ORIG 7756 2576 1903	77099 TX-US IAH	
		

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report Rev. 1

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4C19017



Current Certification

Report Date: 03/21/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-28	4C19017-01	Water	03/18/24 13:15	03-19-2024 16:35
MW-33	4C19017-02	Water	03/18/24 13:33	03-19-2024 16:35
MW-7	4C19017-03	Water	03/18/24 12:43	03-19-2024 16:35
MW-25	4C19017-04	Water	03/19/24 09:51	03-19-2024 16:35
MW-21	4C19017-05	Water	03/19/24 11:10	03-19-2024 16:35
MW-23	4C19017-06	Water	03/19/24 12:30	03-19-2024 16:35

This revised report reflects the correction of a rounding error for the Total Xylenes .

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-28
4C19017-01 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Surrogate: 4-Bromofluorobenzene	88.0 %	80-120		P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.0 %	80-120		P4C2009	03/20/24 09:11	03/20/24 15:53	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/20/24 15:53	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/20/24 15:53	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-33
4C19017-02 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Surrogate: 4-Bromofluorobenzene	89.2 %	80-120			P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Surrogate: 1,4-Difluorobenzene	98.8 %	80-120			P4C2009	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 09:29	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 09:29	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-7
4C19017-03 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Surrogate: 4-Bromofluorobenzene	88.6 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Surrogate: 1,4-Difluorobenzene	95.9 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:09	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:09	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-25
4C19017-04 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	0.0180	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Surrogate: 4-Bromofluorobenzene	87.4 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Surrogate: 1,4-Difluorobenzene	98.5 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Total BTEX	0.0180	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:31	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:31	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4C19017-05 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	0.213	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Ethylbenzene	0.359	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Xylene (p/m)	0.304	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Surrogate: 4-Bromofluorobenzene	87.2 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Surrogate: 1,4-Difluorobenzene	99.1 %	80-120			P4C2009	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Total BTEX	0.877	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:53	EPA 8021B
Xylenes (total)	0.304	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/21/24 10:53	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-23
4C19017-06 (Water)

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Surrogate: 4-Bromofluorobenzene	89.5 %	80-120		P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %	80-120		P4C2009	03/20/24 09:11	03/20/24 18:28	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/20/24 18:28	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/20/24 09:11	03/20/24 18:28	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2009 - * DEFAULT PREP *****

Blank (P4C2009-BLK1)

Prepared & Analyzed: 03/20/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

LCS (P4C2009-BS1)

Prepared & Analyzed: 03/20/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.0998	0.00100	"	0.100		99.8	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0955	0.00100	"	0.100		95.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

LCS Dup (P4C2009-BSD1)

Prepared & Analyzed: 03/20/24

Benzene	0.112	0.00100	mg/L	0.100		112	80-120	3.40	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	2.83	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	2.96	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	2.68	20	
Xylene (o)	0.0984	0.00100	"	0.100		98.4	80-120	3.03	20	
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			

Calibration Blank (P4C2009-CCB1)

Prepared & Analyzed: 03/20/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2009 - *** DEFAULT PREP ***

Calibration Blank (P4C2009-CCB2)				Prepared & Analyzed: 03/20/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			
Calibration Check (P4C2009-CCV1)				Prepared & Analyzed: 03/20/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0981	0.00100	"	0.100		98.1	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0996	0.00100	"	0.100		99.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	80-120			
Calibration Check (P4C2009-CCV2)				Prepared & Analyzed: 03/20/24						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.0977	0.00100	"	0.100		97.7	80-120			
Ethylbenzene	0.0923	0.00100	"	0.100		92.3	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200		97.1	80-120			
Xylene (o)	0.0942	0.00100	"	0.100		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			
Calibration Check (P4C2009-CCV3)				Prepared & Analyzed: 03/20/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		109	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2009 - * DEFAULT PREP *****

Matrix Spike (P4C2009-MS1)

Source: 4C14016-11

Prepared & Analyzed: 03/20/24

Benzene	0.108	0.00100	mg/L	0.100	ND	108	80-120			
Toluene	0.0974	0.00100	"	0.100	ND	97.4	80-120			
Ethylbenzene	0.0996	0.00100	"	0.100	ND	99.6	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200	ND	99.4	80-120			
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.9	80-120			

Matrix Spike Dup (P4C2009-MSD1)

Source: 4C14016-11

Prepared & Analyzed: 03/20/24

Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	5.98	20	
Toluene	0.0909	0.00100	"	0.100	ND	90.9	80-120	6.95	20	
Ethylbenzene	0.0935	0.00100	"	0.100	ND	93.5	80-120	6.38	20	
Xylene (p/m)	0.188	0.00200	"	0.200	ND	94.2	80-120	5.46	20	
Xylene (o)	0.0862	0.00100	"	0.100	ND	86.2	80-120	6.89	20	
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 3/21/2024

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Pennian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

Phone: 432-686-7235

Project Manager:
David Adkins

Company Name: Talon LPE

Company Address: 408 Texas St

City/State/Zip: Artesia, NM 88210

Telephone No: 575-441-4835

Fax No:

Sampler Signature: Bartlett Medley

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

Report Format: ☒ Standard ☐ TRIP ☐ NPDES

PO #: SRS# 2003-00017

Project Loc: Lea County, NM

Project #: Plains All American Pipeline

Project Name: Hobbs Junction Mainline (HJM)

Page 13 of 13

[illegible]

Special Instructions:

Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHJuggens@paalp.com

Relinquished by:

Bartlett modules

Relinquished by:

Editorial Board

760

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 9-21-21

15 JULY 2005

100

1

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Page

1 of 1

4

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep. or Courier? 11B5

Temperature Upon Receipt

Received:	5.8	°C
Adjusted:		°C

100

Page 1 of 1

4

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: Plains All American Pipeline

Lab Order Number: 4C20021



Current Certification

Report Date: 04/15/24

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-24	4C20021-01	Water	03/20/24 09:38	03-20-2024 14:56

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-24
4C20021-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4C2710	03/25/24 10:24	03/25/24 10:24	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4C2710	03/25/24 10:24	03/25/24 10:24	8015M	SUB-13
Methane	0.000588	0.000500	mg/L	1	P4C2710	03/25/24 10:24	03/25/24 10:24	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	268	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4C2608	04/15/24 13:44	04/15/24 13:44	EPA 310.1M	
Nitrate as N	1.50	0.200	mg/L	1	P4C2013	03/20/24 15:54	03/21/24 17:22	EPA 300.0	
Sulfate	95.5	5.00	mg/L	5	P4C2015	03/20/24 16:01	03/21/24 17:33	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4C2710	03/25/24 10:30	03/25/24 21:12	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4C2710	03/25/24 10:30	03/25/24 21:12	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4C2013 - * DEFAULT PREP *****

Blank (P4C2013-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	ND	0.200	mg/L							
--------------	----	-------	------	--	--	--	--	--	--	--

LCS (P4C2013-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0		91.0	90-110			
--------------	------	--	------	------	--	------	--------	--	--	--

LCS Dup (P4C2013-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.2		mg/L	20.0		90.8	90-110	0.303	10	
--------------	------	--	------	------	--	------	--------	-------	----	--

Calibration Check (P4C2013-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	19.7		mg/L	20.0		98.4	90-110			
--------------	------	--	------	------	--	------	--------	--	--	--

Matrix Spike (P4C2013-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.2	80-120			
--------------	------	--	------	------	-------	------	--------	--	--	--

Matrix Spike Dup (P4C2013-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Nitrate as N	18.8		mg/L	20.0	0.135	93.6	80-120	0.399	20	
--------------	------	--	------	------	-------	------	--------	-------	----	--

Batch P4C2015 - * DEFAULT PREP *****

Blank (P4C2015-BLK1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	ND	1.00	mg/L							
---------	----	------	------	--	--	--	--	--	--	--

LCS (P4C2015-BS1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0		101	90-110			
---------	------	--	------	------	--	-----	--------	--	--	--

LCS Dup (P4C2015-BSD1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	18.2		mg/L	18.0		101	90-110	0.148	10	
---------	------	--	------	------	--	-----	--------	-------	----	--

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4C2015 - * DEFAULT PREP *****

Calibration Check (P4C2015-CCV1)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.8		mg/L	18.0		99.0	90-110			
---------	------	--	------	------	--	------	--------	--	--	--

Calibration Check (P4C2015-CCV2)

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	17.7		mg/L	18.0		98.5	90-110			
---------	------	--	------	------	--	------	--------	--	--	--

Matrix Spike (P4C2015-MS1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	107		mg/L	100	13.8	93.2	80-120			
---------	-----	--	------	-----	------	------	--------	--	--	--

Matrix Spike Dup (P4C2015-MSD1)

Source: 4C19016-01

Prepared: 03/20/24 Analyzed: 03/21/24

Sulfate	106		mg/L	100	13.8	91.9	80-120	1.24	20	
---------	-----	--	------	-----	------	------	--------	------	----	--

Batch P4C2608 - * DEFAULT PREP *****

Blank (P4C2608-BLK1)

Prepared & Analyzed: 04/15/24

Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P4C2608-BS1)

Prepared & Analyzed: 04/15/24

Total Alkalinity	217		mg/L	250		86.8	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	ND	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Duplicate (P4C2608-DUP1)

Source: 4C13012-01

Prepared & Analyzed: 04/15/24

Total Alkalinity	222	10.0	mg/L		138			46.7	20	
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	ND	10.0	"		ND				20	
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

4/15/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

PBBI LAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____

W: _____ Phone: 432-686-7235

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Project Manager: David Adkins

Company Name: Talon LPE

Company Address: 408 Texas St.

City/State/Zip: Artesia, NM 88210

Telephone No: 575-441-4835

Fax No: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDESSampler Signature: Bartlett Medley

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)

ORDER #: 402002-1

LAB # (lab use only)

FIELD CODE

MW-24

Beginning Depth

Ending Depth

Date Sampled

3-20-24

Time Sampled

9:38

Field Filtered

Total #. of Containers

5

Ice

5

HNO₃

1

HCl

3

H₂SO₄

NaOH

Na₂S₂O₃

None

1

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1006 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8280

MNA Parameters

X

RUSH TAT (Pre-Schedule) 24, 48, 72 h

X

Standard TAT

Preservation & # of Containers

Matrix

TOLP:

TOTAL:

Analyze For:

Special Instructions:

Email Analyticals to: CJBryant@paalp.com, Maachoa@paalp.com, and Ktludgens@paalp.com

Relinquished by:

Relinquished by:

Relinquished by:

Date

Date

Date

Time

Time

Time

Received by:

Received by:

Received by:

Date

Date

Date

Time

Time

Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Courier? UPS DHL FedEx

Temperature Upon Receipt

Adjusted: 5.3

Page 7 of 22



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A

Fax No:
e-mail:

brentbarron@pbelab.com

Report Format: X Standard

☐ TRRP

☐ NPDES

Project #:

Project Loc:

PO#

Project Name: SUBCONTRACT

Page 8 of 22

[illegible]



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

March 26, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24031294**

Laboratory Results for: **4C20021**

Dear Brent Barron,

ALS Environmental received 1 sample(s) on Mar 20, 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

Anna Kinchen
Project Manager

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
Work Order: HS24031294

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031294-01	4C20021-01	Water		20-Mar-2024 09:38	20-Mar-2024 17:00	☐

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
Work Order: HS24031294

CASE NARRATIVE

Work Order Comments

- Log In Comments:
Ph Lot: 30010709702. COC states 5 bottles but we only received 4.

GC Semivolatiles by Method RSK-175

Batch ID: R462208

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

Metals by Method SW6020A

Batch ID: 209351

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

ALS Houston, US

Date: 26-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20021

Sample ID:4C20021-01

Collection Date:20-Mar-2024 09:38

ANALYTICAL REPORT

WorkOrder:HS24031294

Lab ID:HS24031294-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: E.H.		
Ethane	ND		1.00	ug/L	1	25-Mar-2024 10:24
Ethene	ND		1.00	ug/L	1	25-Mar-2024 10:24
Methane	0.588		0.500	ug/L	1	25-Mar-2024 10:24
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 25-Mar-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	25-Mar-2024 21:12
Manganese	ND		0.00500	mg/L	1	25-Mar-2024 21:12

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
WorkOrder: HS24031294

Batch ID: 209351	Start Date: 25 Mar 2024 10:30	End Date: 25 Mar 2024 10:30
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24031294-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
WorkOrder: HS24031294

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 209351 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24031294-01	4C20021-01	20 Mar 2024 09:38		25 Mar 2024 10:30	25 Mar 2024 21:12	1
Batch ID: R462208 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24031294-01	4C20021-01	20 Mar 2024 09:38			25 Mar 2024 10:24	1

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
WorkOrder: HS24031294

QC BATCH REPORT

Batch ID: R462208 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240325	Units: ug/L		Analysis Date: 25-Mar-2024 07:52					
Client ID:	Run ID: FID-4_462208	SeqNo: 7907868		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240325	Units: ug/L		Analysis Date: 25-Mar-2024 08:01					
Client ID:	Run ID: FID-4_462208	SeqNo: 7907869		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	18	1.00	18.04	0	99.8	75 - 125			
Ethene	15.8	1.00	16.8	0	94.1	75 - 125			
Methane	9.39	0.500	9.647	0	97.3	75 - 125			

LCSD	Sample ID: LCSD-240325	Units: ug/L		Analysis Date: 25-Mar-2024 08:09					
Client ID:	Run ID: FID-4_462208	SeqNo: 7907870		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	17.37	1.00	18.04	0	96.3	75 - 125	18	3.59	30
Ethene	14.39	1.00	16.8	0	85.6	75 - 125	15.8	9.37	30
Methane	9.128	0.500	9.647	0	94.6	75 - 125	9.39	2.82	30

The following samples were analyzed in this batch: HS24031294-01

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
WorkOrder: HS24031294

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:53					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906807		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-209351	Units: mg/L		Analysis Date: 25-Mar-2024 20:55					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906808		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.985	0.200	5	0	99.7	80 - 120			
Manganese	0.04711	0.00500	0.05	0	94.2	80 - 120			
MS	Sample ID: HS24031300-01MS	Units: mg/L		Analysis Date: 25-Mar-2024 21:00					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906811		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.584	0.200	5	1.074	90.2	75 - 125			
Manganese	0.09428	0.00500	0.05	0.04907	90.4	75 - 125			
MSD	Sample ID: HS24031300-01MSD	Units: mg/L		Analysis Date: 25-Mar-2024 21:02					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906812		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.402	0.200	5	1.074	86.6	75 - 125	5.584	3.32	20
Manganese	0.09099	0.00500	0.05	0.04907	83.8	75 - 125	0.09428	3.56	20
PDS	Sample ID: HS24031300-01PDS	Units: mg/L		Analysis Date: 25-Mar-2024 21:04					
Client ID:	Run ID: ICPMS06_462098	SeqNo: 7906813		PrepDate: 25-Mar-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.44	0.200	10	1.074	93.7	75 - 125			
Manganese	0.1353	0.00500	0.1	0.04907	86.2	75 - 125			

ALS Houston, US

Date: 26-Mar-24

Client:Permian Basin Environmental Lab, LP

Project:4C20021

WorkOrder:HS24031294

QC BATCH REPORT

Batch ID: 209351 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
SD		Sample ID: HS24031300-01SD		Units: mg/L		Analysis Date: 25-Mar-2024 20:58			
Client ID:		Run ID: ICPMS06_462098		SeqNo: 7906810		PrepDate: 25-Mar-2024		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Iron	1.151	1.00					1.074	7.11	10
Manganese	0.0508	0.0250					0.04907	3.52	10

The following samples were analyzed in this batch:HS24031294-01

ALS Houston, US

Date: 26-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C20021
WorkOrder: HS24031294

**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

ALS Houston, US

Date: 26-Mar-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 26-Mar-24

Sample Receipt Checklist

Work Order ID: HS24031294

Date/Time Received: 20-Mar-2024 17:00

Client Name: Permian Basin Lab

Received by: Si Ma

Completed By: /S/ Michael Lucio	22-Mar-2024 17:30	Reviewed by: /S/ Jessica Monfore	25-Mar-2024 07:52
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 ☐	1 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):

1.21uc/1.1c IR31

Cooler(s)/Kit(s):

red

Date/Time sample(s) sent to storage:

03/22/2024 17:32

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: Ph Lot: 30010709702

COC states 5 bottles but we only received 4.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

Page 21 of 22

ORIGIN: DAAFA BENT BARNON PBE LAB 1450 RANKIN HWY MCKINNEY, TX 75069 UNITED STATES, US	(432) 688-7235	SHIP DATE: 20 MAR 24 ACTWGT: 35.00 LB CAD: 10713584611NET4535 DIMPS: 15x17x9 IN BILL RECIPIENT
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD		
HOUSTON TX 77099		
(281) 530-5811 REF		
SHIP TO: 0521		
		
		FedEx Express 
THU - 21 MAR 5:00P STANDARD OVERNIGHT		
TRK# 0201	7756 2576 1903	77099
AB SGRA		TX-US IAH
		

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4C20022



Current Certification

Report Date: 03/25/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-24	4C20022-01	Water	03/20/24 09:38	03-20-2024 14:56
MW-32	4C20022-02	Water	03/20/24 10:13	03-20-2024 14:56
MW-22	4C20022-03	Water	03/20/24 10:29	03-20-2024 14:56
MW-31	4C20022-04	Water	03/20/24 10:49	03-20-2024 14:56

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-24
4C20022-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.9 %		80-120		P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.2 %		80-120		P4C2106	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/22/24 11:31	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/22/24 11:31	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-32
4C20022-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.4 %		80-120		P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.2 %		80-120		P4C2106	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 19:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 19:13	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-22
4C20022-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	86.5 %		80-120		P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P4C2106	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 19:35	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 19:35	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-31
4C20022-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.4 %		80-120		P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.5 %		80-120		P4C2106	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 20:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/21/24 12:14	03/21/24 20:42	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Blank (P4C2106-BLK1)

Prepared & Analyzed: 03/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	80-120			

LCS (P4C2106-BS1)

Prepared & Analyzed: 03/21/24

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.0971	0.00100	"	0.100		97.1	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.199	0.00200	"	0.200		99.6	80-120			
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.3	80-120			

LCS Dup (P4C2106-BSD1)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120	4.22	20	
Toluene	0.0898	0.00100	"	0.100		89.8	80-120	7.79	20	
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120	8.07	20	
Xylene (p/m)	0.185	0.00200	"	0.200		92.7	80-120	7.15	20	
Xylene (o)	0.0862	0.00100	"	0.100		86.2	80-120	8.42	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P4C2106-CCB1)

Prepared & Analyzed: 03/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Calibration Blank (P4C2106-CCB2)

Prepared & Analyzed: 03/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.510		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.7	80-120			

Calibration Blank (P4C2106-CCB3)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	80-120			

Calibration Check (P4C2106-CCV1)

Prepared & Analyzed: 03/21/24

Benzene	0.111	0.00100	mg/L				80-120			
Toluene	0.102	0.00100	"				80-120			
Ethylbenzene	0.0984	0.00100	"				80-120			
Xylene (p/m)	0.208	0.00200	"				80-120			
Xylene (o)	0.0989	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Check (P4C2106-CCV2)

Prepared & Analyzed: 03/21/24

Benzene	0.111	0.00100	mg/L				80-120			
Toluene	0.101	0.00100	"				80-120			
Ethylbenzene	0.0962	0.00100	"				80-120			
Xylene (p/m)	0.204	0.00200	"				80-120			
Xylene (o)	0.0978	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4C2106 - * DEFAULT PREP *****

Calibration Check (P4C2106-CCV3)

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.109	0.00100	mg/L				80-120			
Toluene	0.0956	0.00100	"				80-120			
Ethylbenzene	0.0908	0.00100	"				80-120			
Xylene (p/m)	0.196	0.00200	"				80-120			
Xylene (o)	0.0927	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Matrix Spike (P4C2106-MS1)

Source: 4C20015-05

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.425	0.00100	mg/L	0.100	0.238	187	80-120			
Toluene	0.0966	0.00100	"	0.100	0.00983	86.8	80-120			
Ethylbenzene	0.138	0.00100	"	0.100	0.0231	114	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200	0.0247	93.7	80-120			
Xylene (o)	0.0833	0.00100	"	0.100	0.00820	75.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Matrix Spike Dup (P4C2106-MSD1)

Source: 4C20015-05

Prepared: 03/21/24 Analyzed: 03/22/24

Benzene	0.424	0.00100	mg/L	0.100	0.238	186	80-120	0.627	20	
Toluene	0.0894	0.00100	"	0.100	0.00983	79.6	80-120	8.66	20	
Ethylbenzene	0.132	0.00100	"	0.100	0.0231	109	80-120	5.01	20	
Xylene (p/m)	0.201	0.00200	"	0.200	0.0247	88.0	80-120	6.31	20	
Xylene (o)	0.0780	0.00100	"	0.100	0.00820	69.8	80-120	7.25	20	
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 3/25/2024

Brent Barron, Laboratory Director/Technical Director

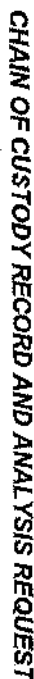
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



—

Phone: 432-686-7235

**Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

David Adkins

Talon LPE

408 Texas St.

Artesia, NM 88210

575-441-4835

e-mail: dackins@talonipe.com, mgomez@talonipe.com

□ **TRR**

SRS# 2003-00017

Hobbs Junction Mainline (HJM)

Plains All American Pipeline

Lea County, NM

SRS# 2003-00017

Boston Melrose

e-mail: daadkins@ralonhpe.com, mgomez@ralonhpe.com

ORDER #: 4610022

Analyze for:

[illegible]

E-mail Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

Relinquished by

Date 3/13/2014

Time

Received by

PBEL: 00

—

1

Def

Time

Temperature

Structure Upon Re-

weight

25. 11

Sample Containers Intact

VOCs Free of Headspace?

Labels on containers)
Gaskets/seals on containers

Custody seals on cooler(s)

Sample Hand Delivered

by Courier? UPS

Temperature Upon Re-

Adjusted: 5.3

1. *Journal of the American Medical Association*, 1997; 277: 1033-1038.

Page 11 of 11

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4F17030



Current Certification

Report Date: 06/24/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-25	4F17030-01	Water	06/17/24 11:22	06-17-2024 15:51
MW-21	4F17030-02	Water	06/17/24 12:16	06-17-2024 15:51

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-25
4F17030-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Total BTEX	0.365	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Xylenes (total)	0.0132	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 12:54	EPA 8021B	

Organics by GC

Benzene	0.321	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Ethylbenzene	0.0307	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Xylene (p/m)	0.0132	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.8 %		80-120		P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4F2015	06/20/24 13:58	06/21/24 12:54	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4F17030-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Total BTEX	0.398	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Xylenes (total)	0.00846	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 13:16	EPA 8021B	

Organics by GC

Benzene	0.146	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Ethylbenzene	0.243	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Xylene (p/m)	0.00716	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Xylene (o)	0.00130	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.4 %		80-120		P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4F2015	06/20/24 13:58	06/21/24 13:16	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Blank (P4F2015-BLK1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			

LCS (P4F2015-BS1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0895	0.00100	"	0.100		89.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS Dup (P4F2015-BSD1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120	8.24	20	
Toluene	0.0882	0.00100	"	0.100		88.2	80-120	11.0	20	
Ethylbenzene	0.0911	0.00100	"	0.100		91.1	80-120	10.9	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.5	80-120	10.9	20	
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120	11.2	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Blank (P4F2015-CCB1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.150		ug/l							
Toluene	0.330		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Calibration Blank (P4F2015-CCB2)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.00		ug/l							
Toluene	0.270		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

Calibration Check (P4F2015-CCV1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	80-120			

Calibration Check (P4F2015-CCV2)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4F2015-CCV3)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		109	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Matrix Spike (P4F2015-MS1)		Source: 4F17030-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.232	0.00100	mg/L	0.100	0.321	NR	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	0.000550	114	80-120			
Ethylbenzene	0.355	0.00100	"	0.100	0.0307	324	80-120			QM-05
Xylene (p/m)	0.245	0.00200	"	0.200	0.0132	116	80-120			
Xylene (o)	0.109	0.00100	"	0.100	ND	109	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Matrix Spike Dup (P4F2015-MSD1)		Source: 4F17030-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.365	0.00100	mg/L	0.100	0.321	44.1	80-120	NR	20	QM-05
Toluene	0.108	0.00100	"	0.100	0.000550	107	80-120	6.45	20	
Ethylbenzene	0.159	0.00100	"	0.100	0.0307	129	80-120	86.2	20	QM-05
Xylene (p/m)	0.234	0.00200	"	0.200	0.0132	110	80-120	4.91	20	
Xylene (o)	0.0966	0.00100	"	0.100	ND	96.6	80-120	11.7	20	
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 6/24/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____

W: _____

Phone: 432-686-7235

 Permian Basin Environmental Lab, LP
 1400 Rankin HWY
 Midland, Texas 79701

 Project Name: Hobbs Junction Mainline (HJM)
 Project #: Plains All American Pipeline

 Project Loc: Lea County, NM
 PO #: SRS# 2003-00017

Page 9 of 9

Project Manager:

David Adkins

Company Name:

Talon LPE

Company Address:

408 Texas St.

City/State/Zip:

Artesia, NM 88210

Telephone No:

575-441-4835

Fax No:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

Kaula Taylor

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)

ORDER #: 4417030

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO ₄ , Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-25			6-17-24	11:22		3	3		3							GW				X
2	MW-21			6-17-24	12:16		3	3		3							GW				X

Special Instructions:

Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

Relinquished by:

Kaula Taylor

Date

6/17/24

Time

15:51

Received by:

Kaula Taylor

Date

6/17/24

Time

15:51

Relinquished by:

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 9-21-21

Page ___ of ___

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Sample Hand Delivered

by Counter? UPS

Temperature Upon Receipt

Adjusted: 5.1 °C

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

ZZZZZZZZ

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: LEA COUNTY, NM

Lab Order Number: 4F17032



Current Certification

Report Date: 07/05/24

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-25	4F17032-01	Water	06/17/24 11:22	06-17-2024 15:51
MW-21	4F17032-02	Water	06/17/24 12:16	06-17-2024 15:51

Dissolved Iron and Manganese, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-25
4F17032-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13
Methane	1.20	0.0250	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	73.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Bicarbonate Alkalinity	73.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Nitrate as N	0.513	0.200	mg/L	1	P4F2011	06/20/24 10:31	06/21/24 11:44	EPA 300.0	
Sulfate	53.6	10.0	mg/L	10	P4G0304	07/03/24 10:33	07/03/24 12:15	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	3.03	0.200	mg/L	1	P4G0112	06/21/24 07:00	07/01/24 13:07	EPA 6010B	SUB-13
Manganese	0.0471	0.00500	mg/L	1	P4G0112	06/21/24 07:00	07/01/24 13:07	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-21
4F17032-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13
Methane	1.33	0.0250	mg/L	1	P4G0112	06/24/24 15:00	07/01/24 13:07	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	69.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Bicarbonate Alkalinity	69.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Nitrate as N	ND	0.200	mg/L	1	P4F2011	06/20/24 10:31	06/21/24 12:38	EPA 300.0	
Sulfate	21.6	10.0	mg/L	10	P4G0304	07/03/24 10:33	07/03/24 13:08	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.685	0.200	mg/L	1	P4G0112	06/21/24 07:00	07/01/24 13:07	EPA 6010B	SUB-13
Manganese	0.0814	0.00500	mg/L	1	P4G0112	06/21/24 07:00	07/01/24 13:07	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2011 - * DEFAULT PREP *****

LCS (P4F2011-BS1)				Prepared: 06/20/24 Analyzed: 07/01/24						
Nitrate as N	21.5		mg/L	20.0		107	90-110			
LCS Dup (P4F2011-BSD1)				Prepared: 06/20/24 Analyzed: 07/01/24						
Nitrate as N	21.5		mg/L	20.0		107	90-110	0.0512	10	
Calibration Check (P4F2011-CCV1)				Prepared: 06/20/24 Analyzed: 07/01/24						
Nitrate as N	21.5		mg/L	20.0		107	90-110			
Calibration Check (P4F2011-CCV2)				Prepared: 06/20/24 Analyzed: 07/01/24						
Nitrate as N	21.5		mg/L	20.0		107	90-110			
Matrix Spike (P4F2011-MS1)		Source: 4F17032-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Nitrate as N	23.1		mg/L	20.0	0.513	113	80-120			
Matrix Spike Dup (P4F2011-MSD1)		Source: 4F17032-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Nitrate as N	23.2		mg/L	20.0	0.513	113	80-120	0.458	20	

Batch P4F2510 - * DEFAULT PREP *****

Blank (P4F2510-BLK1)				Prepared: 06/25/24 Analyzed: 07/03/24						
Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							
LCS (P4F2510-BS1)				Prepared: 06/25/24 Analyzed: 07/03/24						
Total Alkalinity	122	10.0	mg/L	125		97.6	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	122	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2510 - * DEFAULT PREP *****

Duplicate (P4F2510-DUP1)		Source: 4F19018-01		Prepared: 06/25/24 Analyzed: 07/03/24						
Total Alkalinity	71.0	10.0	mg/L		88.0			21.4	20	R2
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	71.0	10.0	"		88.0			21.4	20	R2
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Batch P4G0304 - * DEFAULT PREP *****

Blank (P4G0304-BLK1)				Prepared & Analyzed: 07/03/24						
Sulfate	ND	1.00	mg/L							
LCS (P4G0304-BS1)				Prepared & Analyzed: 07/03/24						
Sulfate	21.3		mg/L	20.0		106	90-110			
LCS Dup (P4G0304-BSD1)				Prepared & Analyzed: 07/03/24						
Sulfate	21.1		mg/L	20.0		105	90-110	1.12	10	
Calibration Check (P4G0304-CCV1)				Prepared & Analyzed: 07/03/24						
Sulfate	20.4		mg/L	20.0		102	90-110			
Calibration Check (P4G0304-CCV2)				Prepared & Analyzed: 07/03/24						
Sulfate	21.2		mg/L	20.0		106	90-110			
Matrix Spike (P4G0304-MS1)		Source: 4F17032-01		Prepared & Analyzed: 07/03/24						
Sulfate	112		mg/L	100	5.36	107	80-120			
Matrix Spike (P4G0304-MS2)		Source: 4F21001-01		Prepared & Analyzed: 07/03/24						
Sulfate	95.9		mg/L	50.0	42.8	106	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4G0304 - *** DEFAULT PREP ***

Matrix Spike Dup (P4G0304-MSD1)	Source: 4F17032-01		Prepared & Analyzed: 07/03/24					
Sulfate	112	mg/L	100	5.36	106	80-120	0.0590	20
Matrix Spike Dup (P4G0304-MSD2)	Source: 4F21001-01		Prepared & Analyzed: 07/03/24					
Sulfate	96.2	mg/L	50.0	42.8	107	80-120	0.346	20

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

R2 The RPD exceeded the acceptance limit.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 7/5/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:												Preservation & # of Containers		Matrix																			24 HOUR RUSH		STANDARD		
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML POLY	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML W/M AMBER GLASS	NONE	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	RSK SOP-175	Mn DISS ICP 6010B	Fe DISS ICP 6010B	METALS, RCRA 7 TCLP ICP MS	NORM PACKAGE																
	4F17032-01			6/17/2024	11:22	Y	5	X	X	X	X					W	X	X	X																		X
	4F17032-02			6/17/2024	12:16	Y	5	X	X	X	X					W	X	X	X																		X
3 Laboratory Comments:																																					
Sample Containers Intact?																	Y N																				
VOCs Free of Headspace?																	Y N																				
Labels on container(s)																	Y N																				
Custody seals on container(s)																	Y N																				
Custody seals on cooler(s)																	Y N																				
Sample Hand Delivered																	Y N																				
by Sampler/Client Rep. ?																	Y N																				
by Courier?																	UPS DHL FedEx Lone Star																				
Temperature Upon Receipt:																																					
Received: °C																																					
Adjusted: °C Factor																																					



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

June 26, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24061285**

Laboratory Results for: **4F17032**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Jun 20, 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
Anna Kinchen
Project Manager

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
Work Order: HS24061285

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24061285-01	4F17032-01	Water		17-Jun-2024 11:22	20-Jun-2024 09:25	☐
HS24061285-02	4F17032-02	Water		17-Jun-2024 12:16	20-Jun-2024 09:25	☐

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
Work Order: HS24061285

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R470295,R470371

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

Metals by Method SW6020A

Batch ID: 213923

Sample ID: HS24060729-03MS

- MS and MSD are for an unrelated sample

ALS Houston, US

Date: 26-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F17032

Sample ID:4F17032-01

Collection Date:17-Jun-2024 11:22

ANALYTICAL REPORT

WorkOrder:HS24061285

Lab ID:HS24061285-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	24-Jun-2024 16:53
Ethene	ND		1.00	ug/L	1	24-Jun-2024 16:53
Methane	1,200		25.0	ug/L	50	25-Jun-2024 09:24
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Jun-2024		Analyst: JC
Iron	3.03		0.200	mg/L	1	24-Jun-2024 19:28
Manganese	0.0471		0.00500	mg/L	1	24-Jun-2024 19:28

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

ALS Houston, US

Date: 26-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4F17032

Sample ID:4F17032-02

Collection Date:17-Jun-2024 12:16

ANALYTICAL REPORT

WorkOrder:HS24061285

Lab ID:HS24061285-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	24-Jun-2024 17:01
Ethene	ND		1.00	ug/L	1	24-Jun-2024 17:01
Methane	1,330		25.0	ug/L	50	25-Jun-2024 09:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Jun-2024		Analyst: JC
Iron	0.685		0.200	mg/L	1	24-Jun-2024 19:30
Manganese	0.0814		0.00500	mg/L	1	24-Jun-2024 19:30

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

Batch ID: 213923	Start Date: 21 Jun 2024 07:00	End Date: 21 Jun 2024 07:00
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061285-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061285-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 213923 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24061285-01	4F17032-01	17 Jun 2024 11:22		21 Jun 2024 07:00	24 Jun 2024 19:28	1
HS24061285-02	4F17032-02	17 Jun 2024 12:16		21 Jun 2024 07:00	24 Jun 2024 19:30	1
Batch ID: R470295 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24061285-01	4F17032-01	17 Jun 2024 11:22			24 Jun 2024 16:53	1
HS24061285-02	4F17032-02	17 Jun 2024 12:16			24 Jun 2024 17:01	1
Batch ID: R470371 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24061285-01	4F17032-01	17 Jun 2024 11:22			25 Jun 2024 09:24	50
HS24061285-02	4F17032-02	17 Jun 2024 12:16			25 Jun 2024 09:34	50

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

QC BATCH REPORT

Batch ID: R470295 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175						
MBLK	Sample ID: MBLK-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 15:53						
Client ID:	Run ID: FID-4_470295		SeqNo: 8095125		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	ND	1.00								
Ethene	ND	1.00								

LCS	Sample ID: LCS-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 16:05						
Client ID:	Run ID: FID-4_470295		SeqNo: 8095126		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.1	1.00	18.04	0	83.7	75 - 125				
Ethene	14.41	1.00	16.8	0	85.8	75 - 125				

LCSD	Sample ID: LCSD-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 16:14						
Client ID:	Run ID: FID-4_470295		SeqNo: 8095127		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	15.61	1.00	18.04	0	86.5	75 - 125	15.1	3.32	30	
Ethene	14.13	1.00	16.8	0	84.1	75 - 125	14.41	1.95	30	

The following samples were analyzed in this batch:

HS24061285-01	HS24061285-02
---------------	---------------

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

QC BATCH REPORT

Batch ID: R470371 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175						
MBLK	Sample ID: MBLK-240625	Units: ug/L		Analysis Date: 25-Jun-2024 08:54						
Client ID:	Run ID: FID-4_470371		SeqNo: 8096887		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Methane	ND	0.500								

LCS	Sample ID: LCS-240625	Units: ug/L		Analysis Date: 25-Jun-2024 09:05						
Client ID:	Run ID: FID-4_470371		SeqNo: 8096888		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Methane	8.088	0.500	9.647	0	83.8	75 - 125				

LCSD	Sample ID: LCSD-240625	Units: ug/L		Analysis Date: 25-Jun-2024 09:15						
Client ID:	Run ID: FID-4_470371		SeqNo: 8096889		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Methane	8.046	0.500	9.647	0	83.4	75 - 125	8.088	0.529	30	

The following samples were analyzed in this batch:

HS24061285-01	HS24061285-02
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ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

QC BATCH REPORT

Batch ID: 213923 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-213923	Units: mg/L		Analysis Date: 24-Jun-2024 18:12					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095505		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-213923	Units: mg/L		Analysis Date: 24-Jun-2024 18:14					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095506		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.539	0.200	5	0	90.8	80 - 120			
Manganese	0.04426	0.00500	0.05	0	88.5	80 - 120			
MS	Sample ID: HS24060729-03MS	Units: mg/L		Analysis Date: 24-Jun-2024 18:23					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095509		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	17.39	0.200	5	15.15	44.7	75 - 125			S
Manganese	0.4792	0.00500	0.05	0.4988	-39.1	75 - 125			SO
MSD	Sample ID: HS24060729-03MSD	Units: mg/L		Analysis Date: 24-Jun-2024 18:25					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095510		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	17.43	0.200	5	15.15	45.5	75 - 125	17.39	0.213	20 S
Manganese	0.4804	0.00500	0.05	0.4988	-36.8	75 - 125	0.4792	0.24	20 SO
PDS	Sample ID: HS24060729-03PDS	Units: mg/L		Analysis Date: 24-Jun-2024 18:28					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095511		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	22.77	0.200	10	15.15	76.2	75 - 125			

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

QC BATCH REPORT

Batch ID: 213923 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS	Sample ID: HS24060729-03PDS	Units: mg/L		Analysis Date: 25-Jun-2024 12:32					
Client ID:	Run ID: ICPMS07_470365		SeqNo: 8097052		PrepDate: 21-Jun-2024		DF: 10		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	Limit Qual
Manganese	1.327	0.0500	1	0.4679	85.9	75 - 125			
SD	Sample ID: HS24060729-03SD	Units: mg/L		Analysis Date: 24-Jun-2024 18:17					
Client ID:	Run ID: ICPMS07_470252		SeqNo: 8095507		PrepDate: 21-Jun-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Iron	13.65	1.00					15.15	9.9	10
SD	Sample ID: HS24060729-03SD	Units: mg/L		Analysis Date: 25-Jun-2024 12:30					
Client ID:	Run ID: ICPMS07_470365		SeqNo: 8097051		PrepDate: 21-Jun-2024		DF: 50		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit Qual
Manganese	0.4602	0.250					0.4679	1.66	10
The following samples were analyzed in this batch:									
HS24061285-01 HS24061285-02									

ALS Houston, US

Date: 26-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F17032
WorkOrder: HS24061285

**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

ALS Houston, US

Date: 26-Jun-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
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
Maine	2024017	23-Jun-2026
Maryland	343; 2023-2024	30-Jun-2024
Michigan	9971	30-Apr-2025
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: 26-Jun-24

Sample Receipt Checklist

Work Order ID: HS24061285

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

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: /S/ Michael Lucio	20-Jun-2024 17:57	Reviewed by: /S/ Anna Kinchen	21-Jun-2024 10:44
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 ☐	1 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):

0.8UC/0.9C IR31

Cooler(s)/Kit(s):

RED

Date/Time sample(s) sent to storage:

06/20/2024 17:58

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:

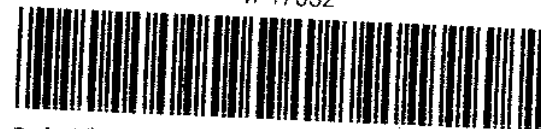
Corrective Action:



Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

HS24061285

Permian Basin Environmental Lab, LP
4F17032



Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

PO #3

[illegible]

3 Laboratory Comments:								
BRENT BARRON	6/18/2024	5:00 PM	Received by:	Date	Time	Sample Containers intact?	Y	N
						VOCs Free of Headspace?	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Custody seals on vials(s)	Y	N
						Sample Hand Delivered	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	by Sampler/Client Rep.?	Y	N
						by Courier? UPS DHL FedEx Lone Star		
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:		
						Received: °C		
						Adjusted: °C Factor		

GREEN ISLAND (412) 886-2225
 GREEN ISLAND
 1400 BARKMAN HWY
 HUNTSVILLE, AL 35894
 UNITED STATES, US

SHIP DATE: 10/04/24
 SHIP TO: 10119
 CADD 10119888888888888888
 DUNS 1541729 IN
 BILL RECIPIENT

TO: **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099

9831052105460

FEDEX
 EXPRESS

77099

THU - 20 JUN 5:00P
 STANDARD OVERNIGHT

TX-US IAH

AB SGRA

77099

77099 5004 9460

77099

77099

After printing the label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
 1. Fold the printed page along the horizontal line.
 2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income, interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g., jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: LEA COUNTY, NM

Lab Order Number: 4F19018



Current Certification

Report Date: 07/05/24

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-24	4F19018-01	Water	06/19/24 10:46	06-19-2024 16:16
MW-23	4F19018-02	Water	06/19/24 09:31	06-19-2024 16:16

Dissolved Iron and Manganese, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/ga/labs/als_svcs_houston.pdf

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-24
4F19018-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:35	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:35	8015M	SUB-13
Methane	0.00265	0.000500	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:35	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	88.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Bicarbonate Alkalinity	88.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Nitrate as N	2.41	0.200	mg/L	1	P4F2011	06/20/24 10:31	06/21/24 14:43	EPA 300.0	
Sulfate	123	10.0	mg/L	10	P4G0304	07/03/24 10:33	07/03/24 15:13	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4G0111	06/21/24 07:00	06/24/24 19:23	EPA 6010B	SUB-13
Manganese	ND	0.00500	mg/L	1	P4G0111	06/21/24 07:00	06/24/24 19:23	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-23
4F19018-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:44	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:44	8015M	SUB-13
Methane	0.0377	0.000500	mg/L	1	P4G0111	06/24/24 15:00	06/24/24 16:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	69.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Bicarbonate Alkalinity	69.0	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4F2510	06/25/24 15:46	07/03/24 15:46	EPA 310.1M	
Nitrate as N	1.15	0.200	mg/L	1	P4F2011	06/20/24 10:31	06/21/24 15:01	EPA 300.0	
Sulfate	162	10.0	mg/L	10	P4G0304	07/03/24 10:33	07/03/24 15:31	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4G0111	06/21/24 07:00	06/24/24 19:25	EPA 6010B	SUB-13
Manganese	0.0120	0.00500	mg/L	1	P4G0111	06/21/24 07:00	06/24/24 19:25	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2011 - * DEFAULT PREP *****

LCS (P4F2011-BS1) Prepared: 06/20/24 Analyzed: 07/01/24

Nitrate as N	21.5		mg/L	20.0		107	90-110			
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LCS Dup (P4F2011-BSD1) Prepared: 06/20/24 Analyzed: 07/01/24

Nitrate as N	21.5		mg/L	20.0		107	90-110	0.0512	10	
--------------	------	--	------	------	--	-----	--------	--------	----	--

Calibration Check (P4F2011-CCV1) Prepared: 06/20/24 Analyzed: 07/01/24

Nitrate as N	21.5		mg/L	20.0		107	90-110			
--------------	------	--	------	------	--	-----	--------	--	--	--

Calibration Check (P4F2011-CCV2) Prepared: 06/20/24 Analyzed: 07/01/24

Nitrate as N	21.5		mg/L	20.0		107	90-110			
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Matrix Spike (P4F2011-MS1) Source: 4F17032-01 Prepared: 06/20/24 Analyzed: 06/21/24

Nitrate as N	23.1		mg/L	20.0	0.513	113	80-120			
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Matrix Spike Dup (P4F2011-MSD1) Source: 4F17032-01 Prepared: 06/20/24 Analyzed: 06/21/24

Nitrate as N	23.2		mg/L	20.0	0.513	113	80-120	0.458	20	
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Batch P4F2510 - * DEFAULT PREP *****

Blank (P4F2510-BLK1) Prepared: 06/25/24 Analyzed: 07/03/24

Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P4F2510-BS1) Prepared: 06/25/24 Analyzed: 07/03/24

Total Alkalinity	122	10.0	mg/L	125		97.6	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	122	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4F2510 - * DEFAULT PREP *****

Duplicate (P4F2510-DUP1)		Source: 4F19018-01		Prepared: 06/25/24 Analyzed: 07/03/24						
Total Alkalinity	71.0	10.0	mg/L		88.0			21.4	20	R2
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	71.0	10.0	"		88.0			21.4	20	R2
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Batch P4G0304 - * DEFAULT PREP *****

Blank (P4G0304-BLK1)				Prepared & Analyzed: 07/03/24						
Sulfate	ND	1.00	mg/L							
LCS (P4G0304-BS1)				Prepared & Analyzed: 07/03/24						
Sulfate	21.3		mg/L	20.0		106	90-110			
LCS Dup (P4G0304-BSD1)				Prepared & Analyzed: 07/03/24						
Sulfate	21.1		mg/L	20.0		105	90-110	1.12	10	
Calibration Check (P4G0304-CCV1)				Prepared & Analyzed: 07/03/24						
Sulfate	20.4		mg/L	20.0		102	90-110			
Calibration Check (P4G0304-CCV2)				Prepared & Analyzed: 07/03/24						
Sulfate	21.2		mg/L	20.0		106	90-110			
Matrix Spike (P4G0304-MS1)		Source: 4F17032-01		Prepared & Analyzed: 07/03/24						
Sulfate	112		mg/L	100	5.36	107	80-120			
Matrix Spike (P4G0304-MS2)		Source: 4F21001-01		Prepared & Analyzed: 07/03/24						
Sulfate	95.9		mg/L	50.0	42.8	106	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch P4G0304 - *** DEFAULT PREP ***

Matrix Spike Dup (P4G0304-MSD1)	Source: 4F17032-01		Prepared & Analyzed: 07/03/24					
Sulfate	112	mg/L	100	5.36	106	80-120	0.0590	20
Matrix Spike Dup (P4G0304-MSD2)	Source: 4F21001-01		Prepared & Analyzed: 07/03/24					
Sulfate	96.2	mg/L	50.0	42.8	107	80-120	0.346	20

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

R2 The RPD exceeded the acceptance limit.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

7/5/2024

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:												Preservation & # of Containers		Matrix																		24 HOUR RUSH	STANDARD			
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML POLY	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML W/M AMBER GLASS	NONE	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	RSK SOP-175	Mn DISS ICP 6010B	Fe DISS ISP 6010B																	
	4F19018-01			6/19/2024	10:46	Y	4	X	X	X					X	S	X	X	X																	X
	4F19018-02			6/19/2024	9:31	Y	4	X	X	X					X	S	X	X	X																	X
3 Laboratory Comments:																																				
Sample Containers Intact?																																	Y	N		
VOCs Free of Headspace?																																	Y	N		
Labels on container(s)																																	Y	N		
Custody seals on container(s)																																	Y	N		
Custody seals on cooler(s)																																	Y	N		
Sample Hand Delivered																																	Y	N		
by Sampler/Client Rep. ?																																	Y	N		
by Courier?																	UPS DHL FedEx Lone Star																			
Temperature Upon Receipt:																																				
Received:																																	°C			
Adjusted:																																	°C Factor			



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

June 25, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24061282**

Laboratory Results for: **4F19018**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Jun 20, 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

Anna Kinchen
Project Manager

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
Work Order: HS24061282

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24061282-01	4F19018-01	Water		19-Jun-2024 10:46	20-Jun-2024 09:25	☐
HS24061282-02	4F19018-02	Water		19-Jun-2024 09:31	20-Jun-2024 09:25	☐

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
Work Order: HS24061282

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R470295

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

Metals by Method SW6020A

Batch ID: 213923

Sample ID: HS24060729-03MS

- MS and MSD are for an unrelated sample

ALS Houston, US

Date: 25-Jun-24

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4F19018	WorkOrder:HS24061282
Sample ID:	4F19018-01	Lab ID:HS24061282-01
Collection Date:	19-Jun-2024 10:46	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	24-Jun-2024 16:35
Ethene	ND		1.00	ug/L	1	24-Jun-2024 16:35
Methane	2.65		0.500	ug/L	1	24-Jun-2024 16:35
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Jun-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	24-Jun-2024 19:23
Manganese	ND		0.00500	mg/L	1	24-Jun-2024 19:23

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

ALS Houston, US

Date: 25-Jun-24

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4F19018	WorkOrder:HS24061282
Sample ID:	4F19018-02	Lab ID:HS24061282-02
Collection Date:	19-Jun-2024 09:31	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	24-Jun-2024 16:44
Ethene	ND		1.00	ug/L	1	24-Jun-2024 16:44
Methane	37.7		0.500	ug/L	1	24-Jun-2024 16:44
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 21-Jun-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	24-Jun-2024 19:25
Manganese	0.0120		0.00500	mg/L	1	24-Jun-2024 19:25

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

Batch ID: 213923	Start Date: 21 Jun 2024 07:00	End Date: 21 Jun 2024 07:00
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24061282-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24061282-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 213923 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24061282-01	4F19018-01	19 Jun 2024 10:46		21 Jun 2024 07:00	24 Jun 2024 19:23	1
HS24061282-02	4F19018-02	19 Jun 2024 09:31		21 Jun 2024 07:00	24 Jun 2024 19:25	1
Batch ID: R470295 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24061282-01	4F19018-01	19 Jun 2024 10:46			24 Jun 2024 16:35	1
HS24061282-02	4F19018-02	19 Jun 2024 09:31			24 Jun 2024 16:44	1

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

QC BATCH REPORT

Batch ID: R470295 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 15:53					
Client ID:	Run ID: FID-4_470295	SeqNo: 8095125		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 16:05					
Client ID:	Run ID: FID-4_470295	SeqNo: 8095126		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.1	1.00	18.04	0	83.7	75 - 125			
Ethene	14.41	1.00	16.8	0	85.8	75 - 125			
Methane	9.376	0.500	9.647	0	97.2	75 - 125			

LCSD	Sample ID: LCSD-240624B	Units: ug/L		Analysis Date: 24-Jun-2024 16:14					
Client ID:	Run ID: FID-4_470295	SeqNo: 8095127		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.61	1.00	18.04	0	86.5	75 - 125	15.1	3.32	30
Ethene	14.13	1.00	16.8	0	84.1	75 - 125	14.41	1.95	30
Methane	9.335	0.500	9.647	0	96.8	75 - 125	9.376	0.447	30

The following samples were analyzed in this batch: HS24061282-01 HS24061282-02

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

QC BATCH REPORT

Batch ID: 213923 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-213923	Units: mg/L		Analysis Date: 24-Jun-2024 18:12					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095505		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							

LCS	Sample ID: LCS-213923	Units: mg/L		Analysis Date: 24-Jun-2024 18:14					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095506		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.539	0.200	5	0	90.8	80 - 120			
Manganese	0.04426	0.00500	0.05	0	88.5	80 - 120			

MS	Sample ID: HS24060729-03MS	Units: mg/L		Analysis Date: 24-Jun-2024 18:23					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095509		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	17.39	0.200	5	15.15	44.7	75 - 125			S
Manganese	0.4792	0.00500	0.05	0.4988	-39.1	75 - 125			SO

MSD	Sample ID: HS24060729-03MSD	Units: mg/L		Analysis Date: 24-Jun-2024 18:25					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095510		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	17.43	0.200	5	15.15	45.5	75 - 125	17.39	0.213	20 S
Manganese	0.4804	0.00500	0.05	0.4988	-36.8	75 - 125	0.4792	0.24	20 SO

PDS	Sample ID: HS24060729-03PDS	Units: mg/L		Analysis Date: 24-Jun-2024 18:28					
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095511		PrepDate: 21-Jun-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	22.77	0.200	10	15.15	76.2	75 - 125			

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

QC BATCH REPORT

Batch ID: 213923 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
PDS	Sample ID: HS24060729-03PDS	Units: mg/L			Analysis Date: 25-Jun-2024 12:32				
Client ID:	Run ID: ICPMS07_470365	SeqNo: 8097052		PrepDate: 21-Jun-2024		DF: 10			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Manganese	1.327	0.0500	1	0.4679	85.9	75 - 125			
SD	Sample ID: HS24060729-03SD	Units: mg/L			Analysis Date: 24-Jun-2024 18:17				
Client ID:	Run ID: ICPMS07_470252	SeqNo: 8095507		PrepDate: 21-Jun-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Iron	13.65	1.00					15.15	9.9	10
SD	Sample ID: HS24060729-03SD	Units: mg/L			Analysis Date: 25-Jun-2024 12:30				
Client ID:	Run ID: ICPMS07_470365	SeqNo: 8097051		PrepDate: 21-Jun-2024		DF: 50			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
Manganese	0.4602	0.250					0.4679	1.66	10
The following samples were analyzed in this batch:									
HS24061282-01 HS24061282-02									

ALS Houston, US

Date: 25-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4F19018
WorkOrder: HS24061282

**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

ALS Houston, US

Date: 25-Jun-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
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
Maine	2024017	23-Jun-2026
Maryland	343; 2023-2024	30-Jun-2024
Michigan	9971	30-Apr-2025
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: 25-Jun-24

Sample Receipt Checklist

Work Order ID: HS24061282

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

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: /S/ Michael Lucio20-Jun-2024 17:51

Reviewed by: /S/ Anna Kinchen21-Jun-2024 10:42

eSignatureDate/TimeeSignatureDate/Time

Matrices: w

Carrier 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 ☐	1 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):	0.8uc/0.9cIR31		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	06/20/2024 17:52		
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:

Permian Basin Environmental Lab, LP
4F19018

e-mail: brentbarron@obelab.com

PO #:

FM31 CFO.

ORIGIN ID:ALFA
 BRENT BARROW
 PRET JAF
 1400 RANNEY HWY
 MIDLAND TX 79721
 UNITED STATES US

4321 686-7235
 18450 STANCLIFF RD
 ALS-HOUSTON
 SAMPLE RECEIVING

HOUSTON TX 77099
 (281) 630-9675
 TX
 REF:

SHIP DATE: 9/24/94
 ACTWGT: 35.00 LB
 C/O: 10719606NNE7655
 DIMS: 16x17x3 IN
 BILL RECIPIENT

THU - 20 JUN 5:00E
 STANDARD OVERNIGHT
 77099
 TX-US IAH

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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4F19020



Current Certification

Report Date: 06/25/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-28	4F19020-01	Water	06/19/24 12:40	06-19-2024 16:16
MW-24	4F19020-02	Water	06/19/24 10:46	06-19-2024 16:16
MW-33	4F19020-03	Water	06/19/24 12:58	06-19-2024 16:16
MW-7	4F19020-04	Water	06/19/24 12:21	06-19-2024 16:16
MW-23	4F19020-05	Water	06/19/24 09:31	06-19-2024 16:16
MW-32	4F19020-06	Water	06/19/24 11:18	06-19-2024 16:16
MW-22	4F19020-07	Water	06/19/24 11:56	06-19-2024 16:16
MW-31	4F19020-08	Water	06/19/24 11:37	06-19-2024 16:16

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-28
4F19020-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 17:23	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.1 %		80-120		P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.6 %		80-120		P4F2015	06/20/24 13:58	06/21/24 17:23	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-24
4F19020-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 17:45	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 17:45	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:45	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:45	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:45	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:45	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 17:45	EPA 8021B

Surrogate: 4-Bromofluorobenzene 91.9 % 80-120 P4F2015 06/20/24 13:58 06/21/24 17:45 EPA 8021B

Surrogate: 1,4-Difluorobenzene 96.8 % 80-120 P4F2015 06/20/24 13:58 06/21/24 17:45 EPA 8021B

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-33
4F19020-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:07	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.0 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:07	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-7
4F19020-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.2 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.2 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:29	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-23
4F19020-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.0 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.8 %		80-120		P4F2015	06/20/24 13:58	06/21/24 18:51	EPA 8021B	

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-32
4F19020-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.3 %		80-120		P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P4F2408	06/24/24 12:30	06/24/24 14:42	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-22
4F19020-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.4 %		80-120		P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P4F2408	06/24/24 12:30	06/24/24 15:04	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-31
4F19020-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/24/24 12:30	06/24/24 15:26	EPA 8021B	

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.7 %		80-120		P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P4F2408	06/24/24 12:30	06/24/24 15:26	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Blank (P4F2015-BLK1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			

LCS (P4F2015-BS1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0895	0.00100	"	0.100		89.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS Dup (P4F2015-BSD1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120	8.24	20	
Toluene	0.0882	0.00100	"	0.100		88.2	80-120	11.0	20	
Ethylbenzene	0.0911	0.00100	"	0.100		91.1	80-120	10.9	20	
Xylene (p/m)	0.181	0.00200	"	0.200		90.5	80-120	10.9	20	
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120	11.2	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Calibration Blank (P4F2015-CCB1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.150		ug/l							
Toluene	0.330		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

Permian Basin Environmental Lab, L.P.

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Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Calibration Blank (P4F2015-CCB2)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.00		ug/l							
Toluene	0.270		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.130		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.2	80-120			

Calibration Check (P4F2015-CCV1)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		93.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	80-120			

Calibration Check (P4F2015-CCV2)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0988	0.00100	"	0.100		98.8	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4F2015-CCV3)

Prepared: 06/20/24 Analyzed: 06/21/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		109	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2015 - * DEFAULT PREP *****

Matrix Spike (P4F2015-MS1)		Source: 4F17030-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.232	0.00100	mg/L	0.100	0.321	NR	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	0.000550	114	80-120			
Ethylbenzene	0.355	0.00100	"	0.100	0.0307	324	80-120			QM-05
Xylene (p/m)	0.245	0.00200	"	0.200	0.0132	116	80-120			
Xylene (o)	0.109	0.00100	"	0.100	ND	109	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

Matrix Spike Dup (P4F2015-MSD1)		Source: 4F17030-01		Prepared: 06/20/24 Analyzed: 06/21/24						
Benzene	0.365	0.00100	mg/L	0.100	0.321	44.1	80-120	NR	20	QM-05
Toluene	0.108	0.00100	"	0.100	0.000550	107	80-120	6.45	20	
Ethylbenzene	0.159	0.00100	"	0.100	0.0307	129	80-120	86.2	20	QM-05
Xylene (p/m)	0.234	0.00200	"	0.200	0.0132	110	80-120	4.91	20	
Xylene (o)	0.0966	0.00100	"	0.100	ND	96.6	80-120	11.7	20	
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Batch P4F2408 - * DEFAULT PREP *****

Blank (P4F2408-BLK1)				Prepared & Analyzed: 06/24/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	80-120			

Permian Basin Environmental Lab, L.P.

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Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2408 - * DEFAULT PREP *****

LCS (P4F2408-BS1)

Prepared & Analyzed: 06/24/24

Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		115	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.138		"	0.120		115	80-120			

LCS Dup (P4F2408-BSD1)

Prepared & Analyzed: 06/24/24

Benzene	0.108	0.00100	mg/L	0.100		108	80-120	2.59	20	
Toluene	0.0987	0.00100	"	0.100		98.7	80-120	9.84	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	10.3	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	9.60	20	
Xylene (o)	0.0920	0.00100	"	0.100		92.0	80-120	9.03	20	
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		117	80-120			

Calibration Blank (P4F2408-CCB1)

Prepared & Analyzed: 06/24/24

Benzene	0.180		ug/l							
Toluene	0.150		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.500		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			

Calibration Blank (P4F2408-CCB2)

Prepared & Analyzed: 06/24/24

Benzene	0.0800		ug/l							
Toluene	0.0700		"							
Ethylbenzene	0.280		"							
Xylene (p/m)	0.550		"							
Xylene (o)	0.190		"							
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2408 - * DEFAULT PREP *****

Calibration Check (P4F2408-CCV1)				Prepared & Analyzed: 06/24/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		114	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.135		"	0.120		112	80-120			

Calibration Check (P4F2408-CCV2)				Prepared & Analyzed: 06/24/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.140		"	0.120		116	80-120			

Calibration Check (P4F2408-CCV3)				Prepared & Analyzed: 06/24/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.139		"	0.120		116	80-120			

Matrix Spike (P4F2408-MS1)				Source: 4F19020-06		Prepared & Analyzed: 06/24/24				
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120			QM-05
Toluene	0.112	0.00100	"	0.100	ND	112	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200	ND	116	80-120			
Xylene (o)	0.103	0.00100	"	0.100	ND	103	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.139		"	0.120		116	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4F2408 - *** DEFAULT PREP ***

Matrix Spike Dup (P4F2408-MSD1)	Source: 4F19020-06			Prepared & Analyzed: 06/24/24						
Benzene	0.123	0.00100	mg/L	0.100	ND	123	80-120	1.22	20	QM-05
Toluene	0.112	0.00100	"	0.100	ND	112	80-120	0.196	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	0.295	20	
Xylene (p/m)	0.234	0.00200	"	0.200	ND	117	80-120	1.15	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	1.01	20	
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.141		"	0.120		118	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date: 6/25/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4119005



Current Certification

Report Date: 09/26/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-23	4I19005-01	Water	09/18/24 12:10	09-18-2024 16:34
MW-21	4I19005-02	Water	09/18/24 11:08	09-18-2024 16:34
MW-24	4I19005-03	Water	09/18/24 13:02	09-18-2024 16:34

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-23
4I19005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	80-120		P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.7 %	80-120		P4I2005	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 00:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 00:19	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4119005-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	0.00515	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Ethylbenzene	0.173	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Xylene (p/m)	0.00324	0.00200	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Xylene (o)	0.00143	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %	80-120			P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.4 %	80-120			P4I2005	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Total BTEX	0.183	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 00:41	EPA 8021B	
Xylenes (total)	0.00467	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 00:41	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-24
4119005-03 (Water)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.3 %		80-120		P4I2005	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 01:03	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 13:59	09/21/24 01:03	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2005 - * DEFAULT PREP *****

Blank (P4I2005-BLK1)

Prepared & Analyzed: 09/20/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

LCS (P4I2005-BS1)

Prepared & Analyzed: 09/20/24

Benzene	0.0970	0.00100	mg/L	0.100		97.0	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.1	80-120			

LCS Dup (P4I2005-BSD1)

Prepared & Analyzed: 09/20/24

Benzene	0.0962	0.00100	mg/L	0.100		96.2	80-120	0.735	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	0.383	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	0.0924	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	0.484	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	0.986	20	
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.9	80-120			

Calibration Blank (P4I2005-CCB1)

Prepared & Analyzed: 09/20/24

Benzene	0.00		ug/l							
Toluene	0.400		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.2	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2005 - * DEFAULT PREP *****

Calibration Blank (P4I2005-CCB2)

Prepared & Analyzed: 09/20/24

Benzene	0.00		ug/l							
Toluene	0.300		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.250		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	80-120			

Calibration Blank (P4I2005-CCB3)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.6	80-120			

Calibration Check (P4I2005-CCV1)

Prepared & Analyzed: 09/20/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.2	80-120			

Calibration Check (P4I2005-CCV2)

Prepared & Analyzed: 09/20/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.8	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2005 - *** DEFAULT PREP ***

Calibration Check (P4I2005-CCV3)				Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.5	80-120			

Matrix Spike (P4I2005-MS1)	Source: 4I19003-14			Prepared: 09/20/24 Analyzed: 09/21/24			
Benzene	0.0825	0.00100	mg/L	0.100	ND	82.5	80-120
Toluene	0.0838	0.00100	"	0.100	ND	83.8	80-120
Ethylbenzene	0.0926	0.00100	"	0.100	ND	92.6	80-120
Xylene (p/m)	0.191	0.00200	"	0.200	ND	95.6	80-120
Xylene (o)	0.0821	0.00100	"	0.100	ND	82.1	80-120
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	80-120

Matrix Spike Dup (P4I2005-MSD1)	Source: 4I19003-14			Prepared: 09/20/24 Analyzed: 09/21/24						
Benzene	0.115	0.00100	mg/L	0.100	ND	115	80-120	33.3	20	R3
Toluene	0.124	0.00100	"	0.100	ND	124	80-120	38.9	20	R3
Ethylbenzene	0.140	0.00100	"	0.100	ND	140	80-120	41.0	20	R3
Xylene (p/m)	0.276	0.00200	"	0.200	ND	138	80-120	36.2	20	R3
Xylene (o)	0.124	0.00100	"	0.100	ND	124	80-120	40.7	20	R3
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/26/2024

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____

W: _____

Phone: 432-686-7235

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Project Manager: David Adkins

Project Name: Hobbs Junction Mainline (HJM)

Company Name: Talon LPE

Project #: Plains All American Pipeline

Company Address: 408 Texas St.

Project Loc: Lea County, NM

City/State/Zip: Artesia, NM 88210

PO #: SRS# 2003-00017

Telephone No: 575-441-4835

Fax No: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDESSampler Signature: *Kimberly Sawyer*

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)

ORDER #: 419005

Analyze For:

TCLP: _____

TOTAL: _____

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 h

Standard TAT

Special Instructions:

Email Analyticals to: CJBryan@paalp.com, Macchoa@paalp.com, and KHudgens@paalp.com

Relinquished by: *Kimberly Sawyer*

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 9-21-21

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

by Courier?

Temperature Upon Receipt:

Adjusted:

FedEx

Lone Star

UPS

DHL

Thermometer:

Page 1 of 1

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: LEA COUNTY, NM

Lab Order Number: 4119006



Current Certification

Report Date: 10/01/24

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-23	4I19006-01	Water	09/18/24 12:10	09-18-2024 16:34
MW-21	4I19006-02	Water	09/18/24 11:08	09-18-2024 16:34
MW-24	4I19006-03	Water	09/18/24 13:02	09-18-2024 16:34

Dissolved Fe, Dissolved Mn, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/ga/labs/als_svcs_houston.pdf

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-23
4I19006-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:06	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:06	8015M	SUB-13
Methane	0.0636	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	342	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Bicarbonate Alkalinity	342	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Nitrate as N	1.78	0.200	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 17:08	EPA 300.0	
Sulfate	89.3	1.00	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 17:08	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:44	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:44	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-21
4119006-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:17	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:17	8015M	SUB-13
Methane	1.09	0.0250	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 13:02	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	488	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Bicarbonate Alkalinity	488	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Nitrate as N	0.965	0.200	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 18:13	EPA 300.0	
Sulfate	28.7	1.00	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 18:13	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.659	0.200	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:54	EPA 6020A	SUB-13
Manganese	0.0775	0.00500	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:54	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-24
4119006-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:26	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:26	8015M	SUB-13
Methane	0.00110	0.000500	mg/L	1	P4I3018	09/20/24 08:00	09/20/24 12:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	260	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Bicarbonate Alkalinity	260	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P4I2618	09/26/24 14:58	09/26/24 14:58	EPA 310.1M	
Nitrate as N	2.87	0.200	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 18:34	EPA 300.0	
Sulfate	95.1	1.00	mg/L	1	P4I1908	09/19/24 14:35	09/19/24 18:34	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:56	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P4I3018	09/20/24 08:00	09/27/24 00:56	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1908 - *** DEFAULT PREP ***										
Blank (P4I1908-BLK1)				Prepared & Analyzed: 09/19/24						
Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P4I1908-BS1)				Prepared & Analyzed: 09/19/24						
Nitrate as N	19.6		mg/L	18.0		109	90-110			
Sulfate	18.0		"	18.0		99.8	90-110			
LCS Dup (P4I1908-BSD1)				Prepared & Analyzed: 09/19/24						
Nitrate as N	19.4		mg/L	18.0		108	90-110	0.995	10	
Sulfate	17.7		"	18.0		98.2	90-110	1.56	10	
Calibration Check (P4I1908-CCV1)				Prepared & Analyzed: 09/19/24						
Sulfate	17.9		mg/L	18.0		99.7	90-110			
Nitrate as N	19.5		"	18.0		108	90-110			
Calibration Check (P4I1908-CCV2)				Prepared & Analyzed: 09/19/24						
Nitrate as N	19.5		mg/L	18.0		109	90-110			
Sulfate	17.6		"	18.0		97.9	90-110			
Matrix Spike (P4I1908-MS1)		Source: 4I19006-01		Prepared & Analyzed: 09/19/24						
Sulfate	105		mg/L	100	17.9	86.9	80-120			
Nitrate as N	20.9		"	20.0	0.356	103	80-120			
Matrix Spike Dup (P4I1908-MSD1)		Source: 4I19006-01		Prepared & Analyzed: 09/19/24						
Nitrate as N	20.9		mg/L	20.0	0.356	103	80-120	0.0335	20	
Sulfate	104		"	100	17.9	86.4	80-120	0.460	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2618 - * DEFAULT PREP *****

Blank (P4I2618-BLK1)

Prepared & Analyzed: 09/26/24

Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P4I2618-BS1)

Prepared & Analyzed: 09/26/24

Total Alkalinity	200		mg/L	250		80.0	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	200	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Duplicate (P4I2618-DUP1)

Source: 4I16013-01

Prepared & Analyzed: 09/26/24

Total Alkalinity	290	10.0	mg/L		286			1.39	20	
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	290	10.0	"		286			1.39	20	
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/1/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]

Please add tressa@pbelab.com to the WOA. Thank you.

						Sample Containers Intact?	Y	N
						VOCs Free of Headspace?	Y	N
BRENT BARRON	9/19/2024	5:00 PM	Received by:	Date	Time	Labels on container(s)	Y	N
						Custody seals on container(s)	Y	N
						Custody seals on cooler(s)	Y	N
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Hand Delivered	Y	N
						by Sampler/Client Rep. ?	Y	N
						by Courier? UPS DHL FedEx Lone Star		
Relinquished by:	Date	Time	Received by:	Date	Time	Temperature Upon Receipt:		
						Received: °C		
						Adjusted: °C Factor		



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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September 27, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24091027**

Laboratory Results for: **4119006**

Dear Brent Barron,

ALS Environmental received 3 sample(s) on Sep 20, 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

Anna Kinchen
Project Manager

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I19006
Work Order: HS24091027

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24091027-01	4I19006-1	Water		18-Sep-2024 12:10	20-Sep-2024 09:25	☐
HS24091027-02	4I19006-2	Water		18-Sep-2024 11:08	20-Sep-2024 09:25	☐
HS24091027-03	4I19006-3	Water		18-Sep-2024 11:30	20-Sep-2024 09:25	☐

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4119006
Work Order: HS24091027

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R477688

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

Metals by Method SW6020A

Batch ID: 218076

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

ALS Houston, US

Date: 27-Sep-24

Client:Permian Basin Environmental Lab, LP

Project:4I19006

Sample ID:4I19006-1

Collection Date:18-Sep-2024 12:10

ANALYTICAL REPORT

WorkOrder:HS24091027

Lab ID:HS24091027-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 12:06
Ethene	ND		1.00	ug/L	1	20-Sep-2024 12:06
Methane	63.6		1.00	ug/L	2	20-Sep-2024 12:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 26-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	27-Sep-2024 00:44
Manganese	ND		0.00500	mg/L	1	27-Sep-2024 00:44

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

ALS Houston, US

Date: 27-Sep-24

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4I19006	WorkOrder:HS24091027
Sample ID:	4I19006-2	Lab ID:HS24091027-02
Collection Date:	18-Sep-2024 11:08	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Sep-2024 12:17
Ethene	ND		1.00	ug/L	1	20-Sep-2024 12:17
Methane	1,090		25.0	ug/L	50	20-Sep-2024 13:02
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 26-Sep-2024 Analyst: JC		
Iron	0.659		0.200	mg/L	1	27-Sep-2024 00:54
Manganese	0.0775		0.00500	mg/L	1	27-Sep-2024 00:54

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

ALS Houston, US

Date: 27-Sep-24

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4I19006	WorkOrder:HS24091027
Sample ID:	4I19006-3	Lab ID:HS24091027-03
Collection Date:	18-Sep-2024 11:30	Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175				Analyst: RG
Ethane	ND		1.00	ug/L	1	20-Sep-2024 12:26
Ethene	ND		1.00	ug/L	1	20-Sep-2024 12:26
Methane	1.10		0.500	ug/L	1	20-Sep-2024 12:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 26-Sep-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	27-Sep-2024 00:56
Manganese	ND		0.00500	mg/L	1	27-Sep-2024 00:56

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4I19006
WorkOrder: HS24091027

Batch ID: 218076	Start Date: 26 Sep 2024 10:00	End Date: 26 Sep 2024 10:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24091027-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091027-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091027-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I19006
WorkOrder: HS24091027

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 218076 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24091027-01	4I19006-1	18 Sep 2024 12:10		26 Sep 2024 10:00	27 Sep 2024 00:44	1
HS24091027-02	4I19006-2	18 Sep 2024 11:08		26 Sep 2024 10:00	27 Sep 2024 00:54	1
HS24091027-03	4I19006-3	18 Sep 2024 11:30		26 Sep 2024 10:00	27 Sep 2024 00:56	1
Batch ID: R477688 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24091027-01	4I19006-1	18 Sep 2024 12:10			20 Sep 2024 12:34	2
HS24091027-01	4I19006-1	18 Sep 2024 12:10			20 Sep 2024 12:06	1
HS24091027-02	4I19006-2	18 Sep 2024 11:08			20 Sep 2024 13:02	50
HS24091027-02	4I19006-2	18 Sep 2024 11:08			20 Sep 2024 12:17	1
HS24091027-03	4I19006-3	18 Sep 2024 11:30			20 Sep 2024 12:26	1

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I19006
WorkOrder: HS24091027

QC BATCH REPORT

Batch ID: R477688 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240920	Units: ug/L		Analysis Date: 20-Sep-2024 09:05					
Client ID:	Run ID: FID-4_477688	SeqNo: 8262680		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240920	Units: ug/L		Analysis Date: 20-Sep-2024 09:19					
Client ID:	Run ID: FID-4_477688	SeqNo: 8262681		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	16.51	1.00	18.04	0	91.5	75 - 125			
Ethene	14.49	1.00	16.8	0	86.3	75 - 125			
Methane	9.486	0.500	9.647	0	98.3	75 - 125			

LCSD	Sample ID: LCSD-240920	Units: ug/L		Analysis Date: 20-Sep-2024 09:27					
Client ID:	Run ID: FID-4_477688	SeqNo: 8262682		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.74	1.00	18.04	0	87.2	75 - 125	16.51	4.76	30
Ethene	14.87	1.00	16.8	0	88.5	75 - 125	14.49	2.55	30
Methane	9.053	0.500	9.647	0	93.8	75 - 125	9.486	4.67	30

The following samples were analyzed in this batch:									
HS24091027-01		HS24091027-02		HS24091027-03					

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4I19006
WorkOrder: HS24091027

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218076	Units: mg/L		Analysis Date: 27-Sep-2024 11:13					
Client ID:	Run ID: ICPMS06_478312	SeqNo: 8276397		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							

LCS	Sample ID: LCS-218076	Units: mg/L		Analysis Date: 27-Sep-2024 00:38					
Client ID:	Run ID: ICPMS06_478194	SeqNo: 8275526		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.933	0.200	5	0	98.7	80 - 120			
Manganese	0.04697	0.00500	0.05	0	93.9	80 - 120			

MS	Sample ID: HS24091027-01MS	Units: mg/L		Analysis Date: 27-Sep-2024 00:48					
Client ID: 4I19006-1	Run ID: ICPMS06_478194	SeqNo: 8275531		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.851	0.200	5	0.02671	96.5	75 - 125			
Manganese	0.04936	0.00500	0.05	0.003264	92.2	75 - 125			

MSD	Sample ID: HS24091027-01MSD	Units: mg/L		Analysis Date: 27-Sep-2024 00:50					
Client ID: 4I19006-1	Run ID: ICPMS06_478194	SeqNo: 8275532		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.078	0.200	5	0.02671	101	75 - 125	4.851	4.57	20
Manganese	0.05234	0.00500	0.05	0.003264	98.1	75 - 125	0.04936	5.85	20

PDS	Sample ID: HS24091027-01PDS	Units: mg/L		Analysis Date: 27-Sep-2024 00:52					
Client ID: 4I19006-1	Run ID: ICPMS06_478194	SeqNo: 8275533		PrepDate: 26-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	9.907	0.200	10	0.02671	98.8	75 - 125			
Manganese	0.0984	0.00500	0.1	0.003264	95.1	75 - 125			

ALS Houston, US

Date: 27-Sep-24

Client:

Permian Basin Environmental Lab, LP

Project:

4I19006

WorkOrder:

HS24091027

QC BATCH REPORT

Batch ID: 218076 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
SD		Sample ID: HS24091027-01SD		Units: mg/L		Analysis Date: 27-Sep-2024 00:46				
Client ID: 4I19006-1		Run ID: ICPMS06_478194		SeqNo: 8275530		PrepDate: 26-Sep-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual
Iron	ND	1.00					0.02671	0	10	
Manganese	0.003789	0.0250					0.003264	0	10	J
The following samples were analyzed in this batch:										
HS24091027-01HS24091027-02HS24091027-03										

ALS Houston, US

Date: 27-Sep-24

Client: Permian Basin Environmental Lab, LP
Project: 4119006
WorkOrder: HS24091027

**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

ALS Houston, US

Date: 27-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	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
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: 27-Sep-24

Sample Receipt Checklist

Work Order ID: HS24091027

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

Client Name: Permian Basin Lab

Received by: Belinda Gomez

Completed By: /S/ Jacob Coronado	20-Sep-2024 11:39	Reviewed by: /S/ Anna Kinchen	20-Sep-2024 17:07
eSignature	Date/Time	eSignature	Date/Time

Matrices: w

Carrier 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 ☐	1 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):	2.4uc/2.4c r34		
Cooler(s)/Kit(s):	red		
Date/Time sample(s) sent to storage:	09/20/2024 1140		
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:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:																				
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers							Matrix					
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML	NONE 500ML GLASS	NONE	DW=Drinking Water SL Sludge GW = Groundwater S-Seal/Seis NP-Non-Potable Specify Other	RSK SOP-175	Mn DISS ICP MS 6020A	Fe DISS ICP MS 6030A
	4119006-01			9/18/2024	12:10	Y	4	X	X	X							W	X	X	X
	4119006-02			9/18/2024	11:08	Y	4	X	X	X							W	X	X	X
	4119006-03			9/18/2024	13:02	Y	4	X	X	X							W	X	X	X

Analyze For:

HS24091027

Permian Basin Environmental Lab, LP

4119006

72 HOUR RUSH STANDARD

Please add tressa@pbelab.com to the WOA. Thank you.

BRENT BARRON	9/19/2024	5:00 PM	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

9/20/24
9/20/24

Laboratory Comments:

Samples Contained in Seal? Y N

VOCs Free of Headspace? Y N

Labels on Containers? Y N

Custody seals on containers? Y N

Custody seals on contents? Y N

Sample Hand Delivered by Sampler/Client Rep.? Y N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: Received: 24 °C Adjusted: °C Factor:

TO SAMPLE RECEIVING ALS-HOUSTON 16450 STANCLIFF RD		SHIP DATE: 08SEP24 ACTING: 8:20 P CALL: 713-855-1675 CHRG: 15435 IN	
HOUSTON TX 77099		SEL RECIPIENT	
77099 7786 9916 7490		SHIP DATE: 08SEP24 ACTING: 8:20 P CALL: 713-855-1675 CHRG: 15435 IN	
AB SCRA		77099	
TX-US IAH		77099	

After printing this label:

CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH

1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4120006



Current Certification

Report Date: 09/26/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-28	4I20006-01	Water	09/18/24 14:46	09-20-2024 13:14
MW-33	4I20006-02	Water	09/18/24 15:02	09-20-2024 13:14
MW-7	4I20006-03	Water	09/18/24 14:28	09-20-2024 13:14
MW-32	4I20006-04	Water	09/18/24 13:52	09-20-2024 13:14
MW-22	4I20006-05	Water	09/18/24 13:37	09-20-2024 13:14
MW-31	4I20006-06	Water	09/18/24 14:16	09-20-2024 13:14

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-28
4I20006-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.5 %		80-120		P4I2007	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 21:51	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 21:51	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

MW-33
4120006-02 (Water)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Surrogate: 1,4-Difluorobenzene	88.8 %		80-120		P4I2007	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 22:13	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 22:13	EPA 8021B

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-7
4120006-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.0 %		80-120		P4I2007	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 22:35	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/24 14:16	09/21/24 22:35	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-32
4120006-04 (Water)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.9 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:03	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:03	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-22
4120006-05 (Water)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.4 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:26	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-31
4120006-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.1 %		80-120		P4I2406	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/24/24 12:30	09/24/24 17:48	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch P4I2007 - * DEFAULT PREP *****

Blank (P4I2007-BLK1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.9	80-120			

LCS (P4I2007-BS1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0936	0.00100	mg/L	0.100		93.6	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.0982	0.00100	"	0.100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.2	80-120			

LCS Dup (P4I2007-BSD1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0976	0.00100	mg/L	0.100		97.6	80-120	4.18	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	4.77	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	4.67	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	3.90	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	4.22	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

Calibration Blank (P4I2007-CCB1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.150		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2007 - * DEFAULT PREP *****

Calibration Blank (P4I2007-CCB2)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0800		ug/l							
Toluene	0.250		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

Calibration Check (P4I2007-CCV1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120			
Toluene	0.0973	0.00100	"	0.100		97.3	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

Calibration Check (P4I2007-CCV2)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0985	0.00100	mg/L	0.100		98.5	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	80-120			

Calibration Check (P4I2007-CCV3)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2007 - * DEFAULT PREP *****

Matrix Spike (P4I2007-MS1)		Source: 4I19008-12		Prepared: 09/20/24		Analyzed: 09/21/24				
Benzene	0.117	0.00100	mg/L	0.100	ND	117	80-120			
Toluene	0.124	0.00100	"	0.100	ND	124	80-120			QM-05
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120			QM-05
Xylene (p/m)	0.269	0.00200	"	0.200	ND	135	80-120			QM-05
Xylene (o)	0.125	0.00100	"	0.100	ND	125	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

Matrix Spike Dup (P4I2007-MSD1)		Source: 4I19008-12		Prepared: 09/20/24		Analyzed: 09/21/24				
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	7.33	20	
Toluene	0.123	0.00100	"	0.100	ND	123	80-120	0.219	20	QM-05
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120	0.496	20	QM-05
Xylene (p/m)	0.271	0.00200	"	0.200	ND	136	80-120	0.866	20	QM-05
Xylene (o)	0.125	0.00100	"	0.100	ND	125	80-120	0.0160	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.9	80-120			

Batch P4I2406 - * DEFAULT PREP *****

Blank (P4I2406-BLK1)				Prepared & Analyzed: 09/24/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2406 - * DEFAULT PREP *****

LCS (P4I2406-BS1)

Prepared & Analyzed: 09/24/24

Benzene	0.0959	0.00100	mg/L	0.100		95.9	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.9	80-120			

LCS Dup (P4I2406-BSD1)

Prepared & Analyzed: 09/24/24

Benzene	0.0926	0.00100	mg/L	0.100		92.6	80-120	3.54	20	
Toluene	0.0986	0.00100	"	0.100		98.6	80-120	3.83	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	3.72	20	
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120	3.18	20	
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120	4.34	20	
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.6	80-120			

Calibration Blank (P4I2406-CCB1)

Prepared & Analyzed: 09/24/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	80-120			

Calibration Blank (P4I2406-CCB2)

Prepared & Analyzed: 09/24/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2406 - * DEFAULT PREP *****

Calibration Check (P4I2406-CCV1)

Prepared & Analyzed: 09/24/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

Calibration Check (P4I2406-CCV2)

Prepared & Analyzed: 09/24/24

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.1	80-120			

Calibration Check (P4I2406-CCV3)

Prepared: 09/24/24 Analyzed: 09/25/24

Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.6	80-120			

Matrix Spike (P4I2406-MS1)

Source: 4I20006-04

Prepared: 09/24/24 Analyzed: 09/25/24

Benzene	0.0936	0.00100	mg/L	0.100	ND	93.6	80-120			
Toluene	0.100	0.00100	"	0.100	ND	100	80-120			
Ethylbenzene	0.112	0.00100	"	0.100	ND	112	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200	ND	113	80-120			
Xylene (o)	0.0981	0.00100	"	0.100	ND	98.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4I2406 - *** DEFAULT PREP ***

Matrix Spike Dup (P4I2406-MSD1)	Source: 4I20006-04			Prepared: 09/24/24 Analyzed: 09/25/24						
Benzene	0.0983	0.00100	mg/L	0.100	ND	98.3	80-120	4.96	20	
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	1.61	20	
Ethylbenzene	0.114	0.00100	"	0.100	ND	114	80-120	1.73	20	
Xylene (p/m)	0.231	0.00200	"	0.200	ND	115	80-120	2.25	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	3.19	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.1	80-120			

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/26/2024

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: HOBBS JUNCTION MAINLINE

Project Number: SRS#2003-00017

Location: Lea County, NM

Lab Order Number: 4L17010



Current Certification

Report Date: 12/20/24

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-21	4L17010-01	Water	12/17/24 07:32	12-17-2024 13:07
MW-24	4L17010-02	Water	12/17/24 09:23	12-17-2024 13:07
MW-28	4L17010-03	Water	12/16/24 13:37	12-17-2024 13:07
MW-33	4L17010-04	Water	12/16/24 14:02	12-17-2024 13:07
MW-7	4L17010-05	Water	12/16/24 13:05	12-17-2024 13:07
MW-23	4L17010-06	Water	12/17/24 08:20	12-17-2024 13:07
MW-32	4L17010-07	Water	12/16/24 12:10	12-17-2024 13:07
MW-22	4L17010-08	Water	12/16/24 11:51	12-17-2024 13:07
MW-31	4L17010-09	Water	12/16/24 12:34	12-17-2024 13:07

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4L17010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Ethylbenzene	0.00137	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	76.5 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	99.5 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Total BTEX	0.00137	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:06	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:06	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-24
4L17010-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.5 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:28	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:28	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-28
4L17010-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.7 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1913	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:50	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 19:50	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-33
4L17010-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.5 %		80-120		P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1913	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 20:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 20:11	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-7
4L17010-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	76.2 %		80-120		P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1913	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 20:33	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 20:33	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-23
4L17010-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.8 %		80-120		P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1913	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 21:38	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 21:38	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-32
4L17010-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.9 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:00	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:00	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-22
4L17010-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	75.8 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:21	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-31
4L17010-09 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	76.1 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1913	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:43	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/24 14:28	12/19/24 22:43	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4L1913 - * DEFAULT PREP *****

Blank (P4L1913-BLK1)

Prepared & Analyzed: 12/19/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0926		"	0.120		77.2	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

LCS (P4L1913-BS1)

Prepared & Analyzed: 12/19/24

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120			
Toluene	0.0913	0.00100	"	0.100		91.3	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0900	0.00100	"	0.100		90.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0953		"	0.120		79.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120			

LCS Dup (P4L1913-BS1)

Prepared & Analyzed: 12/19/24

Benzene	0.0958	0.00100	mg/L	0.100		95.8	80-120	0.281	20	
Toluene	0.0906	0.00100	"	0.100		90.6	80-120	0.747	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	1.03	20	
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120	0.124	20	
Xylene (o)	0.0898	0.00100	"	0.100		89.8	80-120	0.200	20	
Surrogate: 4-Bromofluorobenzene	0.0969		"	0.120		80.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Calibration Blank (P4L1913-CCB1)

Prepared & Analyzed: 12/19/24

Benzene	0.120		ug/l							
Toluene	0.170		"							
Ethylbenzene	0.380		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0893		"	0.120		74.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4L1913 - * DEFAULT PREP *****

Calibration Blank (P4L1913-CCB2)

Prepared & Analyzed: 12/19/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.410		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0916		"	0.120		76.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P4L1913-CCV1)

Prepared & Analyzed: 12/19/24

Benzene	0.0915	0.00100	mg/L	0.100		91.5	80-120			
Toluene	0.0802	0.00100	"	0.100		80.2	80-120			
Ethylbenzene	0.0801	0.00100	"	0.100		80.1	80-120			
Xylene (p/m)	0.163	0.00200	"	0.200		81.7	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0862		"	0.120		71.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		108	80-120			

Calibration Check (P4L1913-CCV2)

Prepared & Analyzed: 12/19/24

Benzene	0.0949	0.00100	mg/L	0.100		94.9	80-120			
Toluene	0.0882	0.00100	"	0.100		88.2	80-120			
Ethylbenzene	0.0852	0.00100	"	0.100		85.2	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.5	80-120			
Xylene (o)	0.0861	0.00100	"	0.100		86.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.0946		"	0.120		78.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Calibration Check (P4L1913-CCV3)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0904	0.00100	mg/L	0.100		90.4	80-120			
Toluene	0.0831	0.00100	"	0.100		83.1	80-120			
Ethylbenzene	0.0812	0.00100	"	0.100		81.2	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.6	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0953		"	0.120		79.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: HOBBS JUNCTION MAINLINE
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4L1913 - *** DEFAULT PREP ***

Matrix Spike (P4L1913-MS1)		Source: 4L16014-05		Prepared: 12/19/24		Analyzed: 12/20/24				
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120			
Toluene	0.0956	0.00100	"	0.100	ND	95.6	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200	ND	103	80-120			
Xylene (o)	0.0914	0.00100	"	0.100	ND	91.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.0956		"	0.120		79.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Matrix Spike Dup (P4L1913-MSD1)		Source: 4L16014-05		Prepared: 12/19/24		Analyzed: 12/20/24				
Benzene	0.105	0.00100	mg/L	0.100	ND	105	80-120	2.11	20	
Toluene	0.0986	0.00100	"	0.100	ND	98.6	80-120	3.10	20	
Ethylbenzene	0.108	0.00100	"	0.100	ND	108	80-120	3.86	20	
Xylene (p/m)	0.213	0.00200	"	0.200	ND	107	80-120	3.47	20	
Xylene (o)	0.0950	0.00100	"	0.100	ND	95.0	80-120	3.84	20	
Surrogate: 4-Bromofluorobenzene	0.0968		"	0.120		80.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: HOBBS JUNCTION MAINLINE
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 12/20/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Hobbs Junction Mainline (HMJ) - MNA

Project Number: SRS#2003-00017

Location: LEA COUNTY, NM

Lab Order Number: 4L17009



Current Certification

Report Date: 01/14/25

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-21	4L17009-01	Water	12/17/24 07:32	12-17-2024 13:07
MW-24	4L17009-02	Water	12/17/24 09:23	12-17-2024 13:07
MW-23	4L17009-03	Water	12/17/24 08:20	12-17-2024 13:07

RSK-175, Dissolved Fe and Mn, and Alkalinity analysis were subcontracted to ALS Houston . Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-21
4L17009-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:06	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:06	8015M	SUB-13
Methane	0.822	0.0250	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 14:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Alkalinity as CaCO3	491	5.00	mg/L	1	P5A1405	12/21/24 20:21	12/21/24 20:21	EPA 310.1M	SUB-13
Nitrate as N	ND	0.200	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 18:01	EPA 300.0	
Sulfate	27.1	1.00	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 18:01	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.561	0.200	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:15	EPA 6020A	SUB-13
Manganese	0.0744	0.00500	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:15	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-24
4L17009-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00100	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:20	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:20	8015M	SUB-13
Methane	0.00587	0.000500	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:20	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Alkalinity as CaCO3	246	5.00	mg/L	1	P5A1405	12/21/24 20:26	12/21/24 20:26	EPA 310.1M	SUB-13
Nitrate as N	2.00	0.200	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 19:00	EPA 300.0	
Sulfate	97.0	1.00	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 19:00	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:17	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:17	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE	Project: Hobbs Junction Mainline (HMJ) - MNA
2901 S. State Hwy 349	Project Number: SRS#2003-00017
Midland TX, 79706	Project Manager: David Adkins

MW-23
4L17009-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Ethane	ND	0.00500	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 14:53	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 10:28	8015M	SUB-13
Methane	0.104	0.00250	mg/L	1	P5A1405	12/19/24 00:00	12/20/24 14:53	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Alkalinity as CaCO3	296	5.00	mg/L	1	P5A1405	12/21/24 20:32	12/21/24 20:32	EPA 310.1M	SUB-13
Nitrate as N	1.13	0.200	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 19:19	EPA 300.0	
Sulfate	97.2	1.00	mg/L	1	P4L1915	12/18/24 10:00	12/19/24 19:19	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:19	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P5A1405	12/19/24 00:00	01/02/25 20:19	EPA 6020A	SUB-13

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4L1915 - * DEFAULT PREP *****

Blank (P4L1915-BLK1)

Prepared & Analyzed: 12/19/24

Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							

LCS (P4L1915-BS1)

Prepared & Analyzed: 12/19/24

Sulfate	18.1		mg/L	20.0		90.6	90-110			
Nitrate as N	18.7		"	20.0		93.3	90-110			

LCS Dup (P4L1915-BSD1)

Prepared & Analyzed: 12/19/24

Sulfate	18.2		mg/L	20.0		90.9	90-110	0.319	10	
Nitrate as N	18.7		"	20.0		93.3	90-110	0.0107	10	

Calibration Check (P4L1915-CCV1)

Prepared & Analyzed: 12/19/24

Sulfate	18.1		mg/L	20.0		90.5	90-110			
Nitrate as N	18.6		"	20.0		93.1	90-110			

Calibration Check (P4L1915-CCV2)

Prepared & Analyzed: 12/19/24

Sulfate	18.2		mg/L	20.0		91.1	90-110			
Nitrate as N	18.8		"	20.0		93.8	90-110			

Matrix Spike (P4L1915-MS1)

Source: 4L17009-01

Prepared & Analyzed: 12/19/24

Sulfate	45.8		mg/L	20.0	27.1	93.4	80-120			
Nitrate as N	18.3		"	20.0	0.0480	91.3	80-120			

Matrix Spike Dup (P4L1915-MSD1)

Source: 4L17009-01

Prepared & Analyzed: 12/19/24

Sulfate	45.8		mg/L	20.0	27.1	93.5	80-120	0.0612	20	
Nitrate as N	18.3		"	20.0	0.0480	91.3	80-120	0.0164	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Hobbs Junction Mainline (HMJ) - MNA
Project Number: SRS#2003-00017
Project Manager: David Adkins

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

1/14/2025

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701**

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

January 06, 2025

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24121052**

Laboratory Results for: **4L17009**

Dear Brent Barron,

ALS Environmental received 3 sample(s) on Dec 18, 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
Jessica Monfore
Project manager

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
Work Order: HS24121052

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24121052-01	4L17009-01	Drinking Water		17-Dec-2024 07:32	18-Dec-2024 10:25	☐
HS24121052-02	4L17009-02	Drinking Water		17-Dec-2024 09:23	18-Dec-2024 10:25	☐
HS24121052-03	4L17009-03	Drinking Water		17-Dec-2024 08:20	18-Dec-2024 10:25	☐

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
Work Order: HS24121052

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R502881

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

Metals by Method SW6020A

Batch ID: 222386

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

WetChemistry by Method SM2320B

Batch ID: R503192

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

ALS Houston, US

Date: 06-Jan-25

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4L17009	WorkOrder:HS24121052
Sample ID:	4L17009-01	Lab ID:HS24121052-01
Collection Date:	17-Dec-2024 07:32	Matrix:Drinking Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Dec-2024 10:06
Ethene	ND		1.00	ug/L	1	20-Dec-2024 10:06
Methane	822		25.0	ug/L	50	20-Dec-2024 14:44
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Dec-2024 Analyst: MSC		
Iron	0.561		0.200	mg/L	1	02-Jan-2025 20:15
Manganese	0.0744		0.00500	mg/L	1	02-Jan-2025 20:15
ALKALINITY BY -2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Total (As CaCO3)	491		5.00	mg/L	1	21-Dec-2024 20:21

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

ALS Houston, US

Date: 06-Jan-25

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4L17009	WorkOrder:HS24121052
Sample ID:	4L17009-02	Lab ID:HS24121052-02
Collection Date:	17-Dec-2024 09:23	Matrix:Drinking Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Dec-2024 10:20
Ethene	ND		1.00	ug/L	1	20-Dec-2024 10:20
Methane	5.87		0.500	ug/L	1	20-Dec-2024 10:20
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Dec-2024 Analyst: MSC		
Iron	ND		0.200	mg/L	1	02-Jan-2025 20:17
Manganese	ND		0.00500	mg/L	1	02-Jan-2025 20:17
ALKALINITY BY -2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Total (As CaCO3)	246		5.00	mg/L	1	21-Dec-2024 20:26

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

ALS Houston, US

Date: 06-Jan-25

Client:	Permian Basin Environmental Lab, LP	ANALYTICAL REPORT
Project:	4L17009	WorkOrder:HS24121052
Sample ID:	4L17009-03	Lab ID:HS24121052-03
Collection Date:	17-Dec-2024 08:20	Matrix:Drinking Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		5.00	ug/L	5	20-Dec-2024 14:53
Ethene	ND		1.00	ug/L	1	20-Dec-2024 10:28
Methane	104		2.50	ug/L	5	20-Dec-2024 14:53
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 28-Dec-2024		Analyst: MSC
Iron	ND		0.200	mg/L	1	02-Jan-2025 20:19
Manganese	ND		0.00500	mg/L	1	02-Jan-2025 20:19
ALKALINITY BY -2011		Method:SM2320B		Analyst: JAC		
Alkalinity, Total (As CaCO3)	296		5.00	mg/L	1	21-Dec-2024 20:32

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

Batch ID: 222386	Start Date: 28 Dec 2024 12:00	End Date: 28 Dec 2024 12:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24121052-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24121052-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24121052-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 222386 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Drinking Water	
HS24121052-01	4L17009-01	17 Dec 2024 07:32		28 Dec 2024 12:00	02 Jan 2025 20:15	1
HS24121052-02	4L17009-02	17 Dec 2024 09:23		28 Dec 2024 12:00	02 Jan 2025 20:17	1
HS24121052-03	4L17009-03	17 Dec 2024 08:20		28 Dec 2024 12:00	02 Jan 2025 20:19	1
Batch ID: R502881 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Drinking Water	
HS24121052-01	4L17009-01	17 Dec 2024 07:32			20 Dec 2024 14:44	50
HS24121052-01	4L17009-01	17 Dec 2024 07:32			20 Dec 2024 10:06	1
HS24121052-02	4L17009-02	17 Dec 2024 09:23			20 Dec 2024 10:20	1
HS24121052-03	4L17009-03	17 Dec 2024 08:20			20 Dec 2024 14:53	5
HS24121052-03	4L17009-03	17 Dec 2024 08:20			20 Dec 2024 10:28	1
Batch ID: R503192 (0)		Test Name : ALKALINITY BY -2011			Matrix: Drinking Water	
HS24121052-01	4L17009-01	17 Dec 2024 07:32			21 Dec 2024 20:21	1
HS24121052-02	4L17009-02	17 Dec 2024 09:23			21 Dec 2024 20:26	1
HS24121052-03	4L17009-03	17 Dec 2024 08:20			21 Dec 2024 20:32	1

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

QC BATCH REPORT

Batch ID: R502881 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:30					
Client ID:	Run ID: FID-4_502881	SeqNo: 8602300		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:41					
Client ID:	Run ID: FID-4_502881	SeqNo: 8602301		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			
Ethene	15.68	1.00	16.8	0	93.3	75 - 125			
Methane	8.736	0.500	9.647	0	90.6	75 - 125			

LCSD	Sample ID: LCSD-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:51					
Client ID:	Run ID: FID-4_502881	SeqNo: 8602302		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.5	1.00	18.04	0	85.9	75 - 125	15.71	1.37	30
Ethene	15.75	1.00	16.8	0	93.8	75 - 125	15.68	0.502	30
Methane	8.296	0.500	9.647	0	86.0	75 - 125	8.736	5.18	30

The following samples were analyzed in this batch:									
HS24121052-01		HS24121052-02		HS24121052-03					

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

QC BATCH REPORT

Batch ID: 222386 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-222386	Units: mg/L		Analysis Date: 02-Jan-2025 19:56					
Client ID:	Run ID: ICPMS06_503568	SeqNo: 8618506		PrepDate: 28-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Iron ND 0.200

Manganese ND 0.00500

LCS	Sample ID: LCS-222386	Units: mg/L		Analysis Date: 02-Jan-2025 19:58					
Client ID:	Run ID: ICPMS06_503568	SeqNo: 8618507		PrepDate: 28-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Iron 4.736 0.200 5 0 94.7 80 - 120

Manganese 0.04466 0.00500 0.05 0 89.3 80 - 120

MS	Sample ID: HS24121054-02MS	Units: mg/L		Analysis Date: 02-Jan-2025 20:04					
Client ID:	Run ID: ICPMS06_503568	SeqNo: 8618510		PrepDate: 28-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Iron 4.621 0.200 5 0.1167 90.1 75 - 125

Manganese 1.135 0.00500 0.05 1.095 79.0 75 - 125 O

MSD	Sample ID: HS24121054-02MSD	Units: mg/L		Analysis Date: 02-Jan-2025 20:06					
Client ID:	Run ID: ICPMS06_503568	SeqNo: 8618511		PrepDate: 28-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Iron 4.555 0.200 5 0.1167 88.8 75 - 125 4.621 1.43 20

Manganese 1.149 0.00500 0.05 1.095 107 75 - 125 1.135 1.21 20 O

PDS	Sample ID: HS24121054-02PDS	Units: mg/L		Analysis Date: 02-Jan-2025 20:07					
Client ID:	Run ID: ICPMS06_503568	SeqNo: 8618512		PrepDate: 28-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual

Iron 9.063 0.200 10 0.1167 89.5 75 - 125

Manganese 1.173 0.00500 0.1 1.095 78.1 75 - 125 O

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

QC BATCH REPORT

Batch ID: 222386 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
SD	Sample ID: HS24121054-02SD		Units: mg/L		Analysis Date: 02-Jan-2025 20:02					
	Client ID:		Run ID: ICPMS06_503568		SeqNo: 8618509		PrepDate: 28-Dec-2024		DF: 5	
	Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit Qual
	Iron	0.1152	1.00					0.1167	0	10
	Manganese	1.111	0.0250					1.095	1.46	10
The following samples were analyzed in this batch:			HS24121052-01 HS24121052-02 HS24121052-03							

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

QC BATCH REPORT

Batch ID: R503192 (0)		Instrument: Skalar 03		Method: ALKALINITY BY -2011					
MBLK	Sample ID: MBLK-122120234	Units: mg/L		Analysis Date: 21-Dec-2024 18:42					
Client ID:	Run ID: Skalar 03_503192	SeqNo: 8609071		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Total (As CaCO3)	ND	5.00							
LCS	Sample ID: LCS-12212024	Units: mg/L		Analysis Date: 21-Dec-2024 18:48					
Client ID:	Run ID: Skalar 03_503192	SeqNo: 8609072		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Total (As CaCO3)	945.6	5.00	1000	0	94.6	85 - 115			
LCSD	Sample ID: LCSD-12212024	Units: mg/L		Analysis Date: 21-Dec-2024 18:54					
Client ID:	Run ID: Skalar 03_503192	SeqNo: 8609073		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Total (As CaCO3)	946.6	5.00	1000	0	94.7	85 - 115	945.6	0.106	20
DUP	Sample ID: HS24121072-10DUP	Units: mg/L		Analysis Date: 21-Dec-2024 21:18					
Client ID:	Run ID: Skalar 03_503192	SeqNo: 8609096		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Total (As CaCO3)	13.4	5.00					13.8	2.94	20
DUP	Sample ID: HS24121072-09DUP	Units: mg/L		Analysis Date: 21-Dec-2024 21:07					
Client ID:	Run ID: Skalar 03_503192	SeqNo: 8609094		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Alkalinity, Total (As CaCO3)	39.3	5.00					39.4	0.254	20
The following samples were analyzed in this batch:									
HS24121052-01 HS24121052-02 HS24121052-03									

ALS Houston, US

Date: 06-Jan-25

Client: Permian Basin Environmental Lab, LP
Project: 4L17009
WorkOrder: HS24121052

**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

ALS Houston, US

Date: 06-Jan-25

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
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: 06-Jan-25

Sample Receipt Checklist

Work Order ID: HS24121052
Client Name: Permian Basin Lab

Date/Time Received: 18-Dec-2024 10:25
Received by: Jacob Coronado

Completed By: /S/ Kaycee Rogers	18-Dec-2024 13:24	Reviewed by: /S/ Jessica Monfore	06-Jan-2025 05:14
eSignature	Date/Time	eSignature	Date/Time

Matrices: W Carrier 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 ☐	1 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):	3.4UC/3.4C IR 34		
Cooler(s)/Kit(s):	BLACK		
Date/Time sample(s) sent to storage:	12/18/2024 1324		
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:		



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, I
1400 Rankin HWY
Midland, Texas 79701

HS24121052

Permian Basin Environmental Lab, LP
4L17009



Project Manager: Brent Barron

Company Name PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

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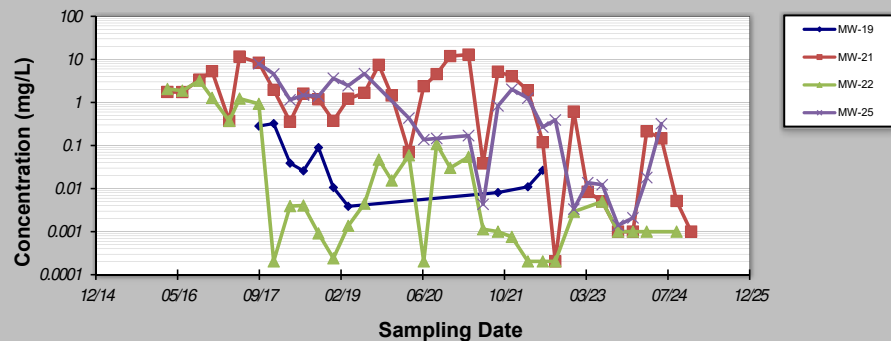


APPENDIX D

Mann-Kendall Analysis

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	27-Feb-23			Job ID:	700376.052		
Facility Name:	Hobbs Junction Mainline			Constituent:	Benzene		
Conducted By:	Paul Santos			Concentration Units:	mg/L		
Sampling Point ID:	MW-19	MW-21	MW-22	MW-25			
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)					
1	9-Mar-16		1.75	2.05			
2	8-Jun-16		1.74	1.88			
3	21-Sep-16		3.38	3.20			
4	7-Dec-16		5.32	1.28			
5	22-Mar-17		0.371	0.373			
6	24-May-17		11.6	1.23			
7	19-Sep-17	0.283	8.34	0.928	7.91		
8	19-Dec-17	0.324	1.96	0.000204	4.59		
9	29-Mar-18	0.0389	0.358	0.00392	1.15		
10	19-Jun-18	0.0258	1.6	0.00404	1.48		
11	19-Sep-18	0.0897	1.18	0.000910	1.40		
12	19-Dec-18	0.0106	0.374	0.000240	3.64		
13	20-Mar-19	0.00387	1.22	0.00136	2.45		
14	27-Jun-19		1.67	0.00447	4.67		
15	23-Sep-19		7.46	0.0471			
16	11-Dec-19		1.45	0.0154			
17	25-Mar-20		0.0699	0.0592	0.434		
18	24-Jun-20		2.38	0.000204	0.137		
19	11-Sep-20		4.55	0.108	0.146		
20	3-Dec-20		11.9	0.0302			
21	25-Mar-21		12.9	0.0545	0.170		
22	22-Jun-21		0.0383	0.00114	0.00431		
23	21-Sep-21	0.00810	5.17	0.00100	0.833		
24	15-Dec-21		4.06	0.000754	2.02		
25	23-Mar-22	0.011	1.91	0.000204	1.26		
26	22-Jun-22	0.0266	0.119	0.000204	0.268		
27	7-Sep-22		0.000204	0.000204	0.392		
28	29-Dec-22		0.613	0.00291	0.00333		
29	24-Mar-23		0.00844		0.0137		
30	21-Jun-23		0.00500	0.00500	0.0123		
31	26-Sep-23		0.00100	0.00100	0.00140		
32	26-Dec-23		0.00100	0.00100	0.00209		
33	19-Mar-24		0.213	0.001	0.018		
34	17-Jun-24		0.146	<0.00100	0.321		
35	18-Sep-24		0.00515	0.001			
36	16-Dec-24		0.001	<0.00100			
37							
38							
39							
40							
Coefficient of Variation:		1.46	1.39	2.21	1.47		
Mann-Kendall Statistic (S):		-21	-241	-226	-162		
Confidence Factor:		96.4%	>99.9%	>99.9%	>99.9%		
Concentration Trend:		Decreasing	Decreasing	Decreasing	Decreasing		



Notes:

- At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, Ground Water, 41(3):355-367, 2003.

DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

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

CONDITIONS

Action 497601

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:
	34053
	Action Number:
	497601
Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)	

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, An updated Stage 2 Abatement Plan and activities will be conducted and submitted as a report by December 16, 2025.	9/16/2025
shanna.smith	18 Monitor Wells out of 27 monitor wells contain NAPL. 6 monitor wells are dry or do not have sufficient groundwater for laboratory analysis. 6 monitor wells have approximately 2' to 4' of NAPL on average.	9/16/2025
shanna.smith	Pursuant to 19.15.30.11 Subsection A states "responsible persons who are abating, shall do so pursuant to an abatement plan the director approves. When the director has approved an abatement plan, the responsible person's actions leading to and including abatement shall be consistent with the abatement plan's terms and conditions."	9/16/2025
shanna.smith	Pursuant to 19.15.30.11 Subsection B paragraph 3 states "If the director determines that the designated responsible person has failed to conduct the actions 19.15.30 NMAC requires, the director shall notify all responsible person of this failure in writing et al"	9/16/2025
shanna.smith	Continue Quarterly Groundwater monitoring and sampling events and submit as scheduled.	9/16/2025