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2023 Annual Groundwater Monitoring Report

Hobbs Junction Mainline

Lea County, New Mexico

SRS # 2003-00017

NMOCD REF. # AP-054, nAPP2109528296

Prepared For:

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Review of the 2023 Annual Groundwater Monitoring Report for Hobbs Junction Mainline [nAPP2109528296]: content satisfactory

1. Proceed to install groundwater wells as appropriate due to declining water levels, upload permits obtained from OSE to the incident file.
2. Continue PSH recovery through monthly MDPE events.
3. Conduct O&M of the recovery system and optimize recovery as needed.
4. Conduct quarterly groundwater monitoring events as scheduled.
5. Submit the 2024 Annual Report to OCD by April 1, 2025.

Prepared By: Joshua Frenya

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February 2, 2024

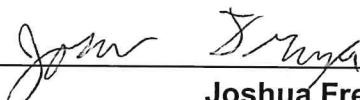


2023 ANNUAL GROUNDWATER MONITORING REPORT

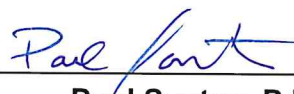
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NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

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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 12 pneumatic total fluid pumps installed in monitor wells MW-1 through MW-6, MW-11, MW-25 through MW-27, MW-29, and MW-30. 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 2023, the recovery system extracted 19.65 barrels (bbls) of PSH and 1,883.07 bbls of groundwater.

Additionally, ten (10) mobile dual-phase extraction (MDPE) events were conducted at the site on January 12, February 21, March 9, April 25, May 31, June 29, August 29, October 10, November 7, and December 5, 2023. A total of 212.77 bbls of PSH

were recovered, consisting of 90.81 bbls of liquid PSH and 121.96 bbls of vapor PSH. In addition, 317.51 bbls of groundwater were recovered during the MDPE events conducted in 2023.

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 2023. Analytical results for the four (4) sampling events are summarized in Table 2 through Table 4 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 2023. 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 2023. The events occurred in: March, June, September, and December.

During the March 2023 groundwater monitoring event, all 33 monitor wells were gauged. A total of 11 monitor wells (MW-7, MW-18, 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 one (1) monitor well (MW-9) was dry when gauged; monitor wells MW-13 and MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-2, MW-3, and MW-20 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 2023 groundwater monitoring event, all 33 monitor wells were gauged. A total of 13 monitor wells (MW-7, MW-16, MW-18, MW-21 through MW-25, MW-28, and MW-30 through MW-33) were purged and sampled. Due to the presence of PSH, 13 monitor wells (MW-1, MW-4, MW-6, MW-8, MW-10 through MW-12, MW-14, MW-15, MW-17, MW-26, MW-27, and MW-29) were not sampled. It was noted that one (1) monitor well (MW-9) was dry when gauged; monitor wells MW-13 and MW-19 did not have sufficient water volume to collect samples; and monitor wells MW-2, MW-3, MW-5, and MW-20 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 2023 groundwater monitoring event, all 33 monitor wells were gauged. A total of 11 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-30 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-20, MW-26, MW-27, and MW-29) were not sampled. It was noted that one (1) monitor well (MW-9) was 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 December 2023 groundwater monitoring event, all 33 monitor wells were gauged. A total of 10 monitor wells (MW-7, MW-21 through MW-25, MW-28, 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 one (1) monitor well (MW-9) was dry when gauged; monitor wells MW-13, MW-18, MW-19, and MW-20 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](#).

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 2023 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 Eurofins Laboratories, Inc. in Midland, Texas or 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. A groundwater sample collected from MW-18 during the first event was analyzed for Polycyclic Aromatic Hydrocarbons (PAH) by EPA Method SW-846 8270D.

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 Eurofins Laboratories, Inc. in Carlsbad, New Mexico or Permian Basin Environmental Lab, LP in Midland, Texas for analysis of nitrate, sulfate, ferrous iron, manganese, alkalinity, and methane.

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 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 2023, the quarterly PSH and groundwater recovery totals for the system are as follows:

1st Quarter – 6.55 bbls PSH and 625 bbls of groundwater
2nd Quarter – 6.50 bbls PSH and 621 bbls of groundwater
3rd Quarter – 4.30 bbls PSH and 460 bbls of groundwater
4th Quarter – 2.30 bbls PSH and 177 bbls of groundwater

Ten (10) MDPE events, during which liquid and vapor PSH was recovered, were conducted on site during 2023. The individual MDPE event recovery totals are as follows:

January 12, 2023 – 5.75 bbls vapor, 21.16 bbls liquid
February 21, 2023 – 18.94 bbls vapor, 7.05 bbls liquid
March 09, 2023 – 11.28 bbls vapor, 9.29 bbls liquid
April 25, 2023 – 11.60 bbls vapor, 12.73 bbls liquid
May 31, 2023 – 13.87 bbls vapor, 6.11 bbls liquid
June 29, 2023 – 11.94 bbls vapor, 2.65 bbls liquid
August 29, 2023 – 12.38 bbls vapor, 13.01 bbls liquid
October 10, 2023 – 11.57 bbls vapor, 10.79 bbls liquid
November 7, 2023 – 16.50 bbls vapor, 3.94 bbls liquid
December 5, 2023 – 8.12 bbls vapor, 4.08 bbls liquid

An estimated total of approximately 212.77 bbls of PSH was recovered during the MDPE events conducted during 2023.

Approximately 5,486.88 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 2023. 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 23, 2023
- June 20, 2023
- September 25, 2023
- December 26, 2023

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 2023 and December 2023 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 0.98 feet in 2023, 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 2023 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 6.81 feet (MW-4).

During the June 2023 sampling event, PSH was observed in 13 monitor wells (MW-1, MW-4, MW-6, MW-8, MW-10 through MW-12, MW-14, MW-15, MW-17, MW-26, MW-27, and MW-29). PSH thicknesses in these wells ranged from 0.30 feet (MW-29) to 4.78 feet (MW-4).

During the September 2023 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-20, MW-26, MW-27, and MW-29). PSH thicknesses in these wells ranged from 0.01 feet to 5.59 feet (MW-5).

During the December 2023 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 6.49 feet (MW-5).

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

3.4 Groundwater Sampling Results

During the March 2023 sampling event, 11 monitor wells (MW-7, MW-18, 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 0.00844 mg/L and 0.0137 mg/L, respectively. Benzene concentrations in monitor well 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 with the exception of MW-7, MW-18, and MW-33, which exhibited toluene concentrations of 0.000498 mg/L, 0.000393 mg/L, and 0.000412 mg/L, respectively. 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 0.0182 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.
- Monitor well MW-18 was sampled during this quarter for polycyclic aromatic hydrocarbons (PAHs). All results were below laboratory MDLs and thus below applicable NMWQCC groundwater standards.
- Methane concentrations ranged from <0.000453 mg/L in MW-23 and MW-24 to 1.900 mg/L in MW-25.
- Ferrous Iron concentrations ranged from 0.0800 mg/L in MW-24 to 0.230 mg/L in MW-23.

- Manganese concentrations ranged from 0.00122 mg/L in MW-23 to 0.0582 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 231 mg/L in MW-24 to 321 mg/L in MW-25.
- Sulfate concentrations ranged from 41.4 mg/L in MW-21 to 115 mg/L in MW-23.
- Nitrate as N concentrations ranged from 0.227 mg/L in MW-21 to 2.07 mg/L in MW-24.

During the June 2023 sampling event, 13 monitor wells (MW-7, MW-16, MW-18, MW-21 through MW-25, MW-28, and MW-30 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory reporting limits (RLs) in all wells with the exception of MW-25 and MW-30, which exhibited benzene concentrations of 0.0123 mg/L and 0.0661 mg/L, respectively. Benzene concentrations in monitor wells MW-25 and MW-30 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 RLs 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 RLs in all wells with the exception of MW-16, MW-25, and MW-30, which exhibited ethylbenzene concentrations of 0.0168 mg/L, 0.00657 mg/L, and 0.0215 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 RLs in all wells with the exception of MW-30, which exhibited a xylene concentration of 0.0302 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 <0.00250 mg/L in MW-21 to 1.140 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23 and MW-24 to 0.643 mg/L in MW-25.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23 and MW-24 to 0.0401 mg/L in MW-25.
- Total Alkalinity concentrations ranged from 260 mg/L in MW-21 to 440 mg/L in MW-25.
- Sulfate concentrations ranged from 58.0 mg/L in MW-25 to 107 mg/L in MW-23.

- Nitrate as N concentrations ranged from <0.200 mg/L in MW-25 to 2.46 mg/L in MW-24.

During the September 2023 sampling event, 11 monitor wells (MW-7, MW-21 through MW-25, MW-28, and MW-30 through MW-33) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory RLs in all wells with the exception of MW-25 and MW-30, which exhibited benzene concentrations of 0.00140 mg/L and 0.0494 mg/L, respectively. Benzene concentrations in monitor well MW-30 exceeded the NMWQCC groundwater standard of 0.010 mg/L. The remainder of the wells during this quarter did not exceed the applicable NMWQCC groundwater standard.
- Toluene concentrations were below the applicable laboratory RLs 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 RLs in all wells with the exception of MW-30, which exhibited an ethylbenzene concentration of 0.0133 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 RLs in all wells with the exception of MW-30, which exhibited a xylene concentration of 0.000600 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 0.000642 mg/L in MW-23 to 0.625 mg/L in MW-25.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23, MW-24, and MW-25 to 0.254 mg/L in MW-21.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23 and MW-24 to 0.0385 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 220 mg/L in MW-24 to 420 mg/L in MW-25.
- Sulfate concentrations ranged from 52.6 mg/L in MW-25 to 104 mg/L in MW-23.
- Nitrate as N concentrations ranged from 0.359 mg/L in MW-21 to 2.26 mg/L in MW-24.

During the December 2023 sampling event, 10 monitor wells (MW-7, MW-21 through MW-25, 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 RLs in all wells with the exception of MW-25, which exhibited a benzene concentration of 0.00209 mg/L. 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 RLs 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 RLs in all wells sampled. 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 RLs 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 0.00310 mg/L in MW-23 to 1.480 mg/L in MW-21.
- Ferrous Iron concentrations ranged from <0.200 mg/L in MW-23, MW-24, and MW-25 to 0.499 mg/L in MW-21.
- Manganese concentrations ranged from <0.00500 mg/L in MW-23, MW-24, and MW-25 to 0.0534 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 270 mg/L in MW-21 to 370 mg/L in MW-24.
- Sulfate concentrations ranged from 55.8 mg/L in MW-21 to 116 mg/L in MW-24.
- Nitrate as N concentrations ranged from 0.313 mg/L in MW-21 to 2.50 mg/L in MW-23.

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 19.65 bbls of PSH was recovered by the groundwater system and 212.77 bbls of PSH was recovered via MDPE during 2023. Approximately 5,286.88 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 2023.
- Groundwater levels at the subject site have decreased an average of 0.98 feet for the year 2023.
- PSH has impacted monitor wells MW-1, MW-4, MW-5, MW-6, MW-8, MW-10, MW-11, MW-12, MW-14, MW-15, MW-16, MW-17, MW-20, MW-26, MW-27, MW-29, and MW-30 in 2023. PSH levels and extent have fluctuated in 2023 between 0.01 feet in all wells to 6.81 feet in MW-4.
- Dissolved-phase concentrations were stable during 2023.

4.2 Recommendations

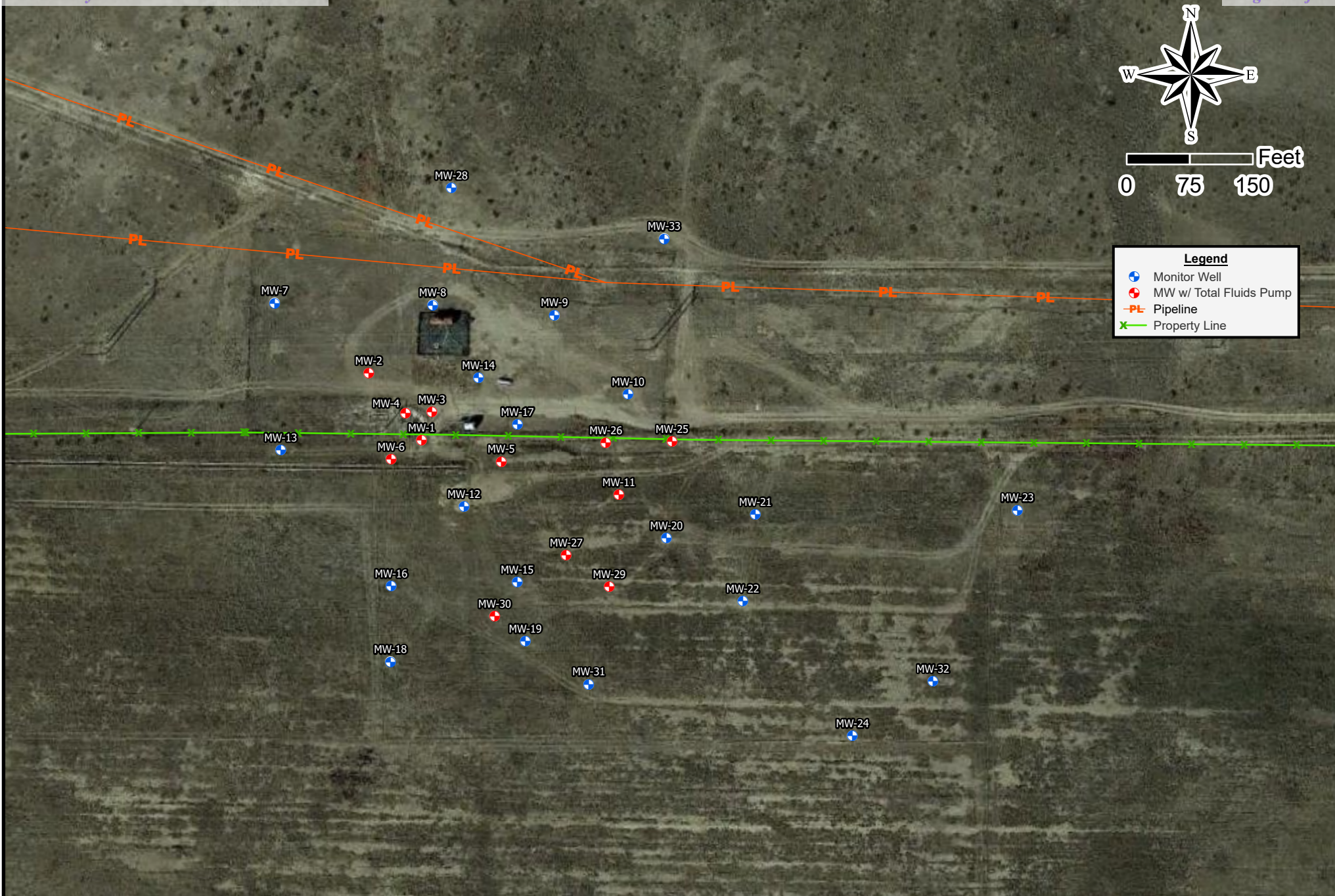
Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions:

- 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.



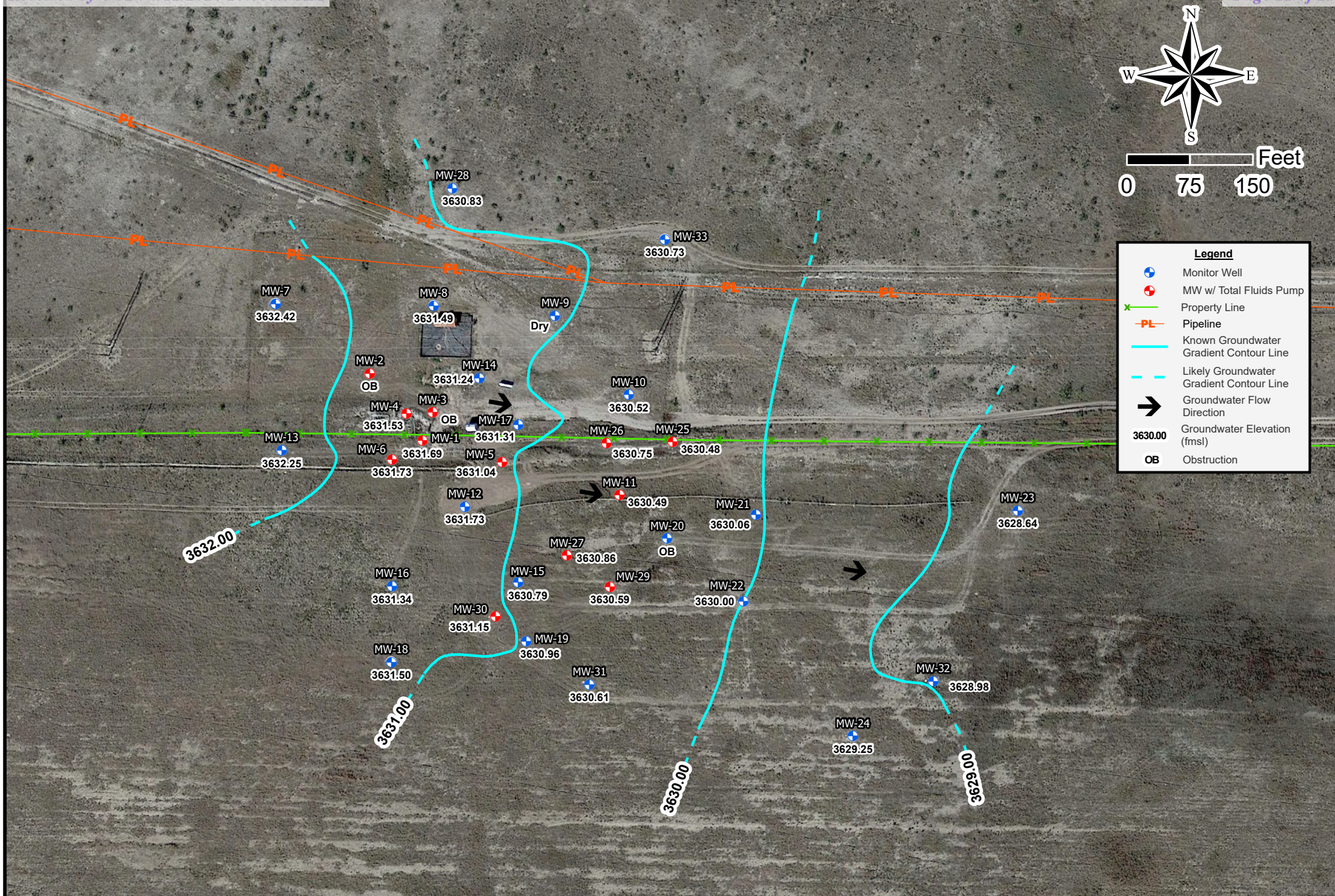
APPENDIX A

Figures



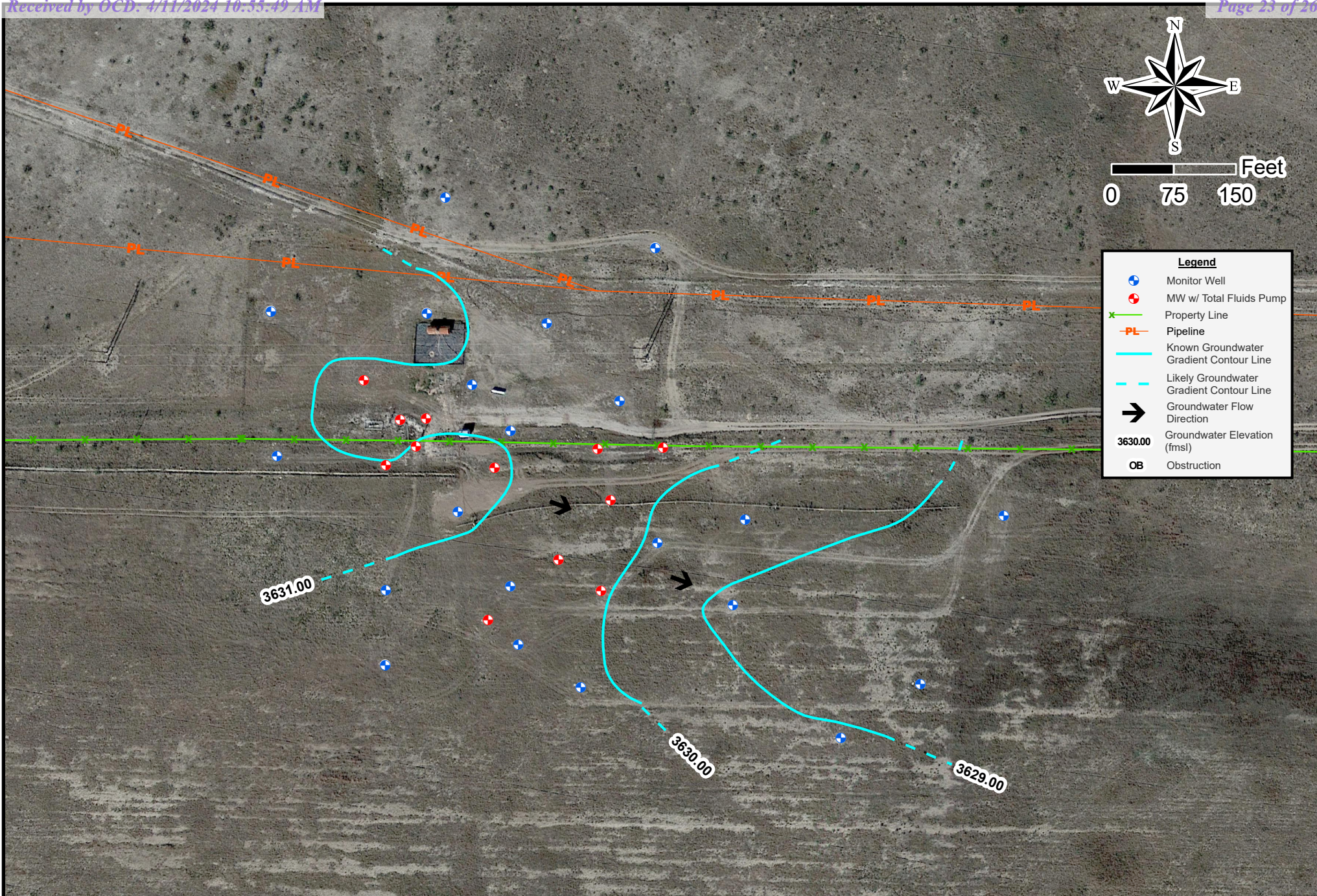
Drafted: 3/6/2024
1 in = 150 ft
Drafted By: IJR

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



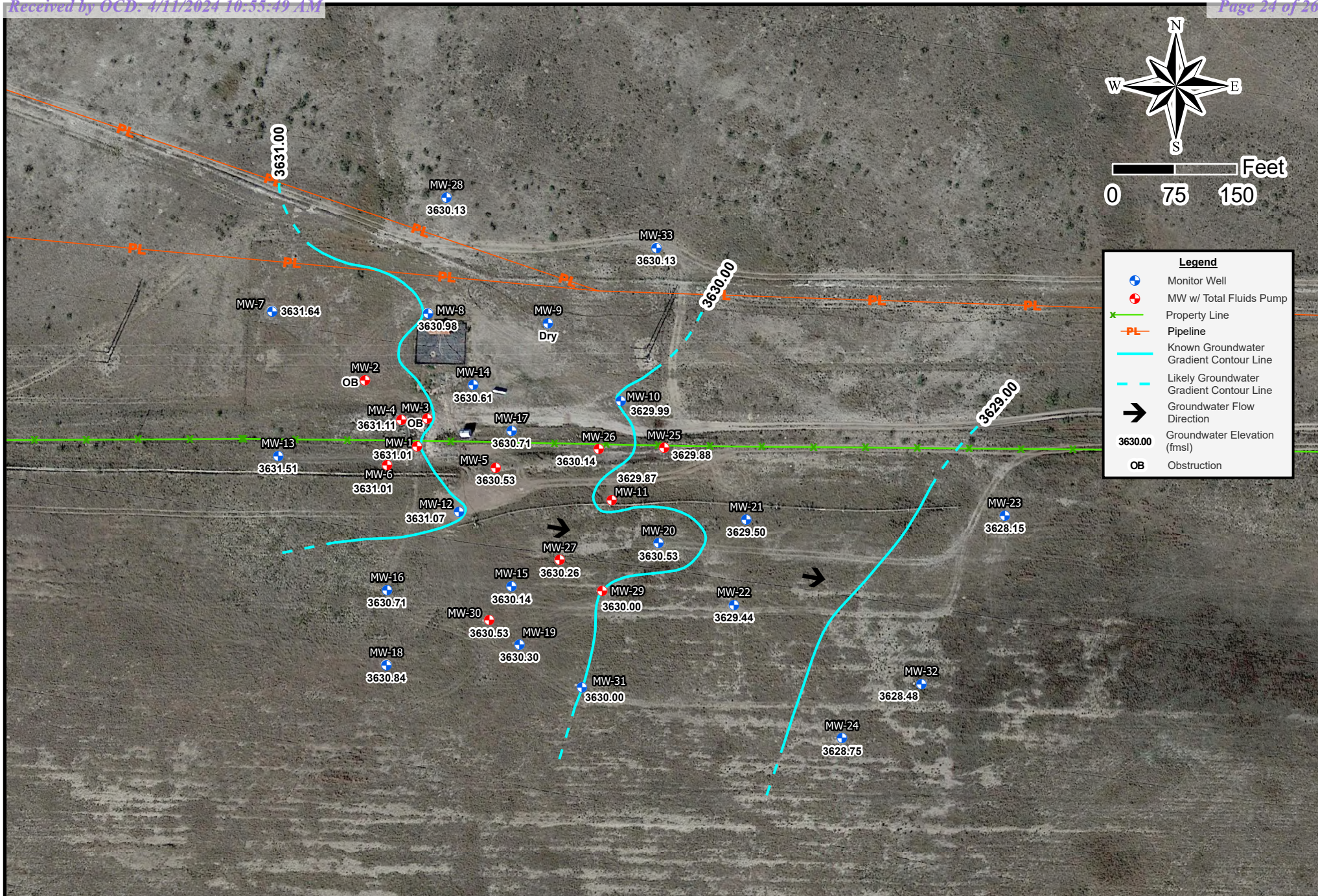
Drafted: 3/6/2024
1 in = 150 ft
Drafted By: IJR

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 2a - Groundwater Gradient Map (03/23/2023)



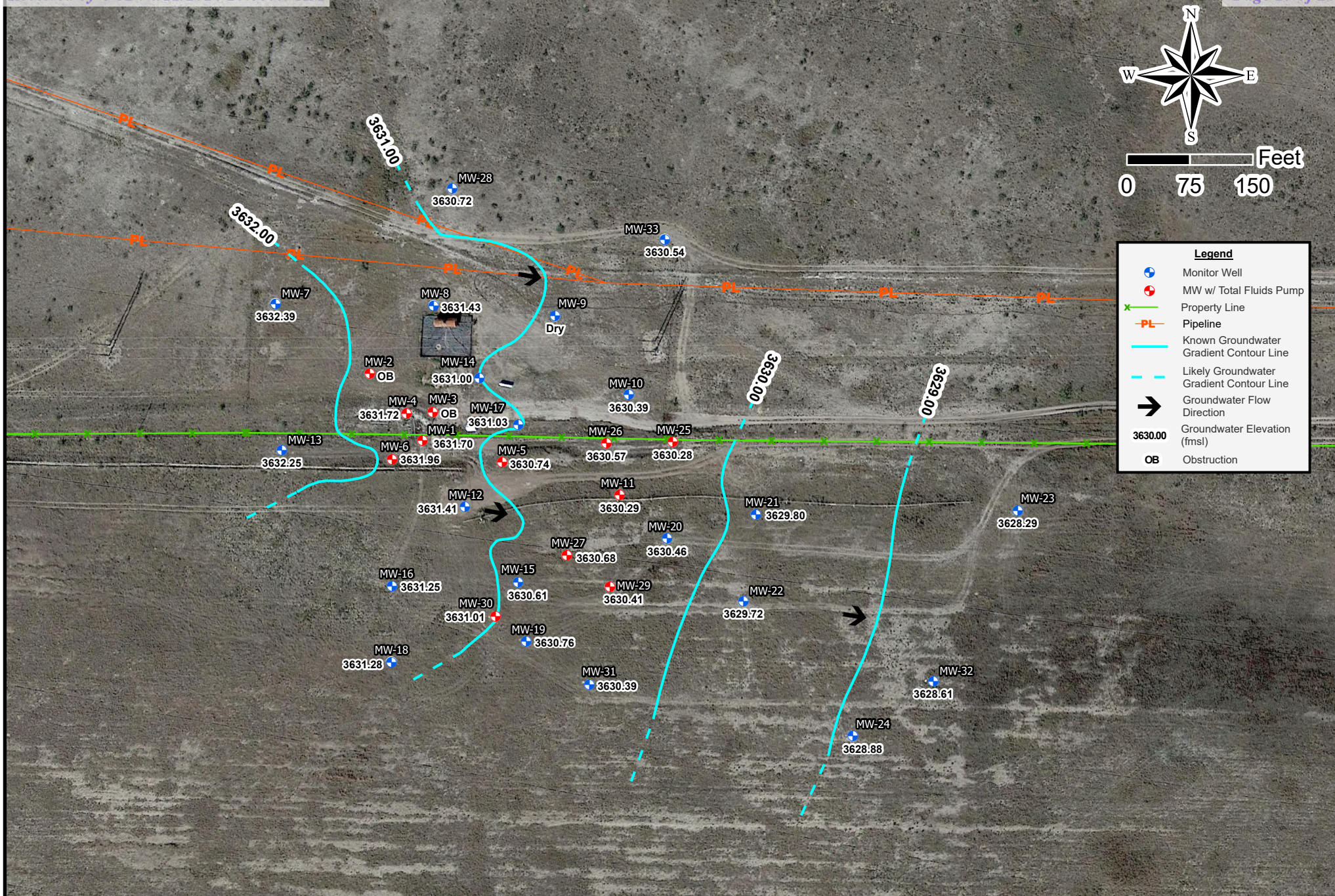
Drafted: 3/7/2024
1 in = 150 ft
Drafted By: IJR

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 2b - Groundwater Gradient Map (06/20/2023)



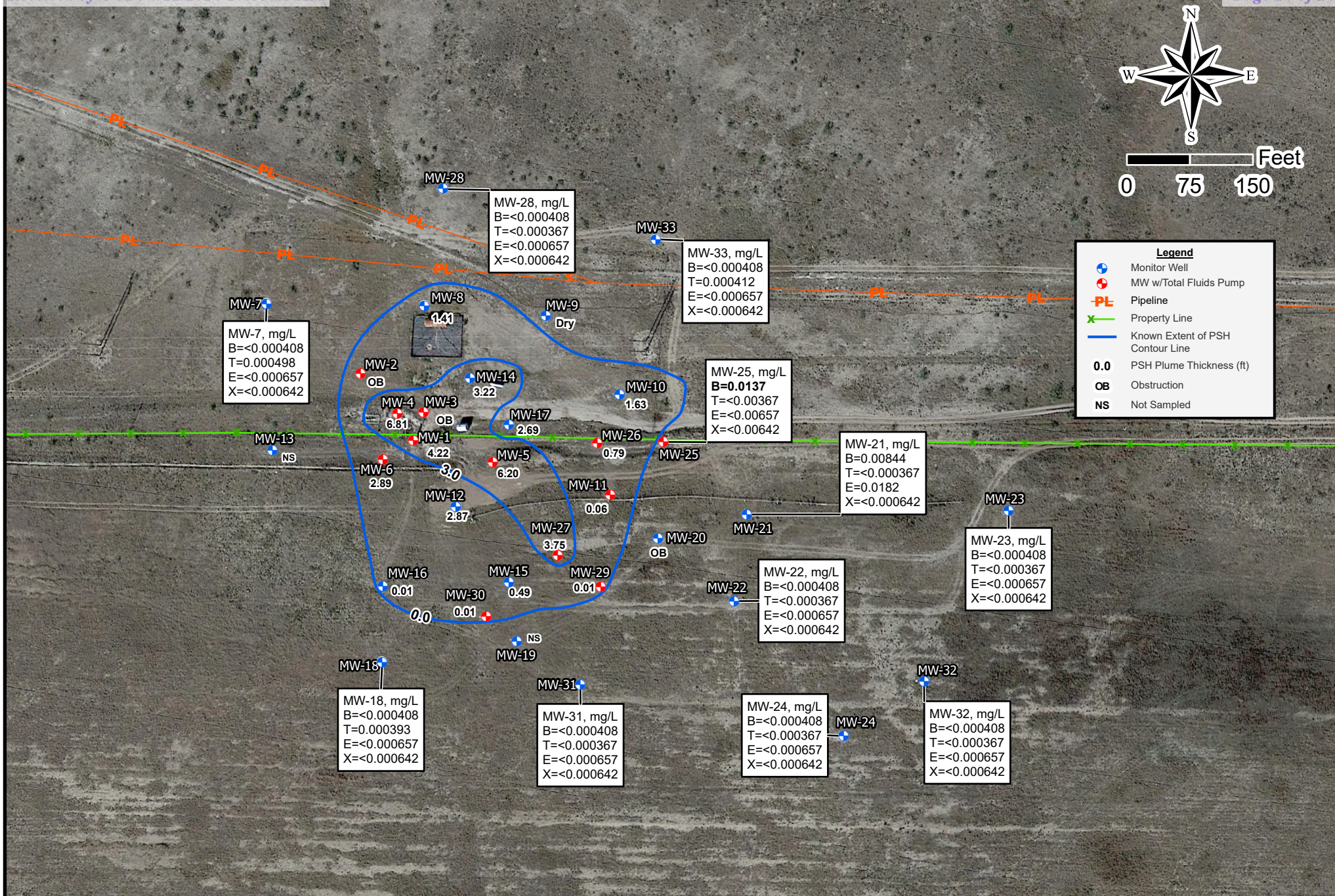
Drafted: 3/7/2024
1 in = 150 ft
Drafted By: IJR

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 2c - Groundwater Gradient Map (09/25/2023)



Drafted: 3/7/2024
1 in = 150 ft
Drafted By: IJR

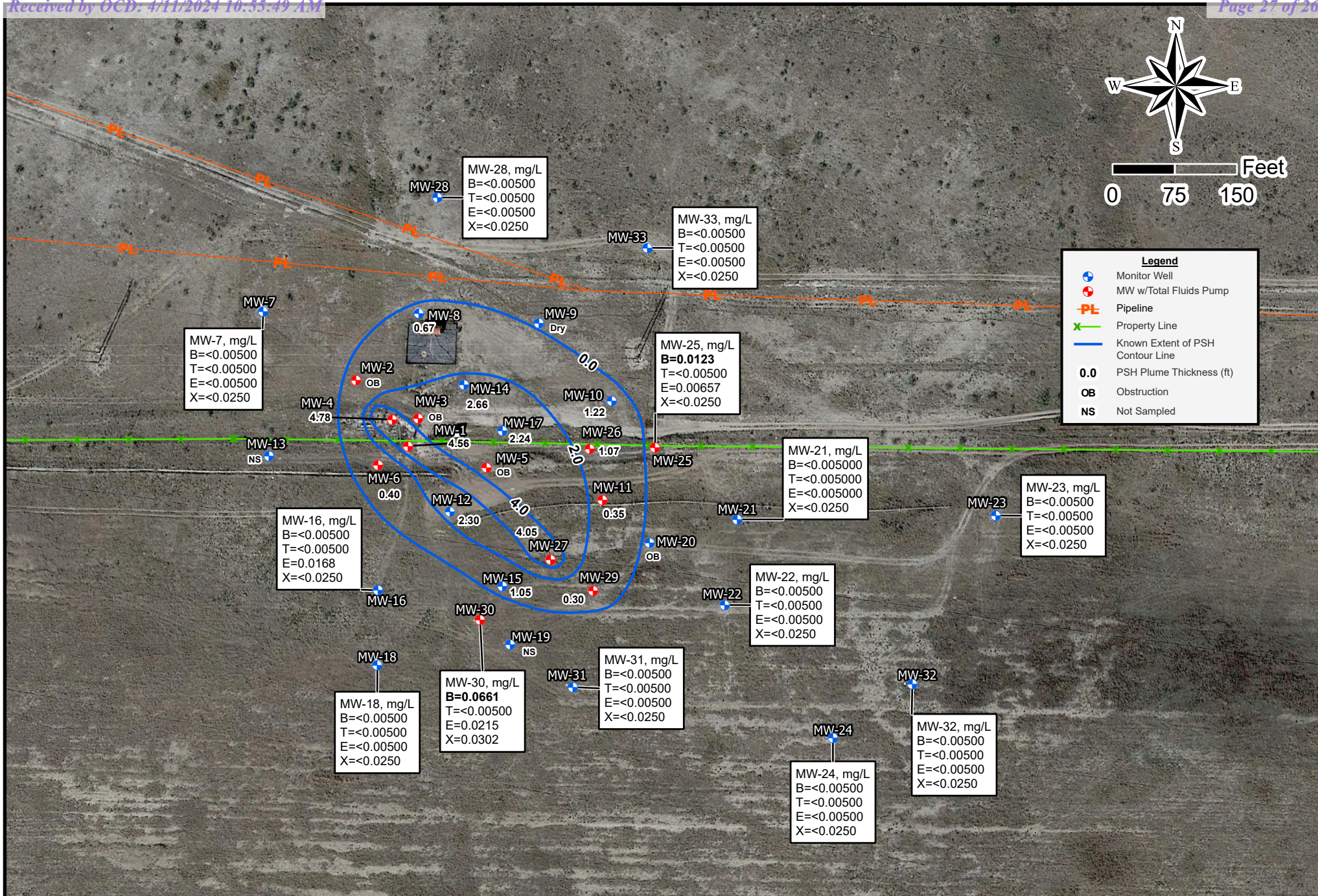
Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2d - Groundwater Gradient Map (12/26/2023)



Drafted: 3/7/2024
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

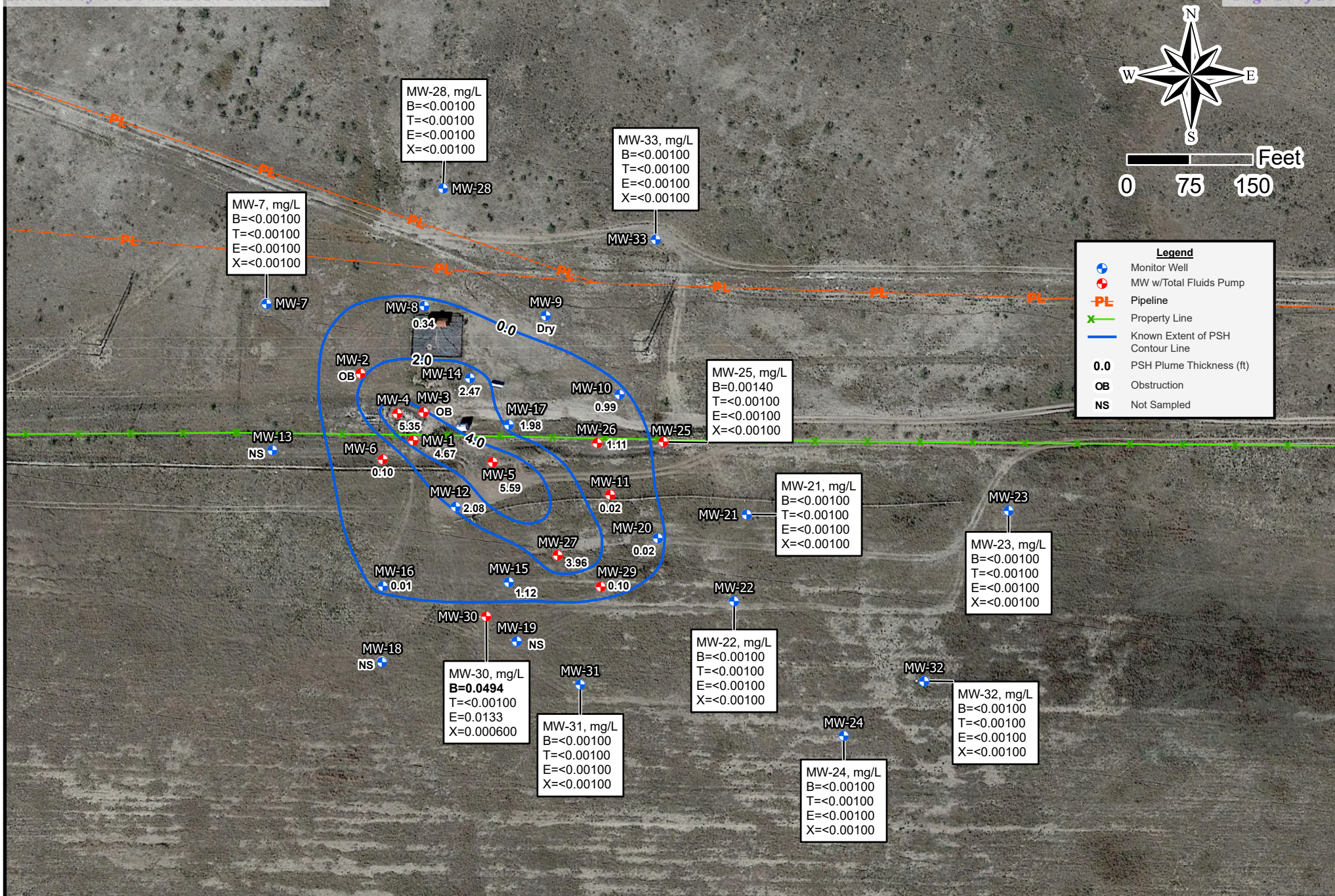
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/23-24,27-28/2023)



Drafted: 3/7/2024
1 in = 150 ft
Drafted By: IJR

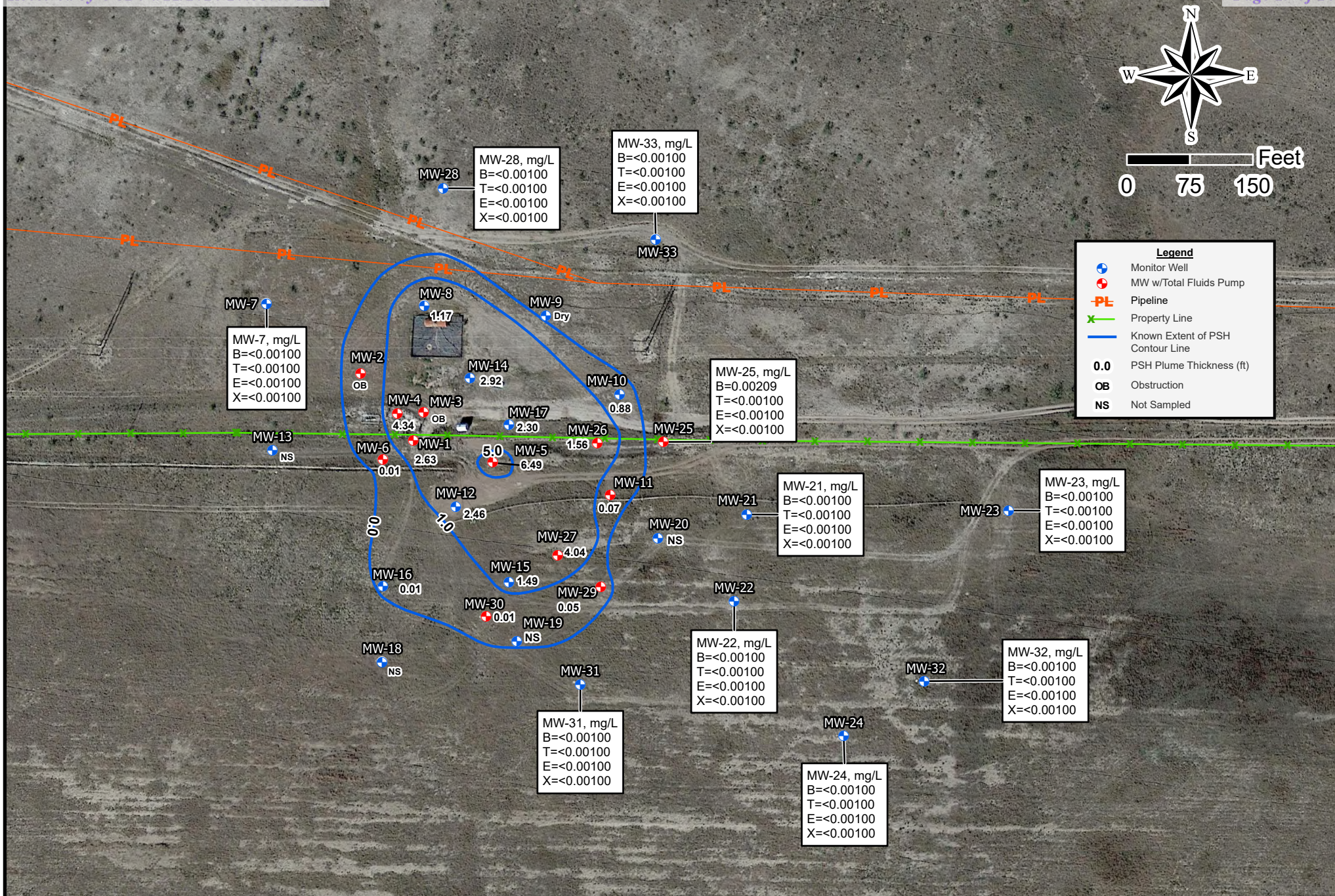
Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061

Figure 3b - PSH Thickness and Groundwater Concentration Map (06/20-21/2023)



Drafted: 3/7/2024
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 3c - PSH Thickness and Groundwater Concentration Map (09/25-27/2023)



Drafted: 3/7/2024
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 (12/26-28/2023)



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
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	-	-	-

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	-	-	-
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

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	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
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

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	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
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

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-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	-	-	-
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

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-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
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

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	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
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

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
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

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	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
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

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	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
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

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-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
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

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
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

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	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
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

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	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
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

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-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
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

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
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

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

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	03/23/2022	<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
MW-13	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	-
MW-18	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	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
MW-21	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
MW-22	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
MW-23	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
MW-24	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
MW-25	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
MW-28	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

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-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
MW-31	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
MW-32	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
MW-33	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

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
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
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

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
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

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
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

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
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
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

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

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)	Dibenzo(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyren (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
MW-21	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
	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
	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
MW-28	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	Methane (ug/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
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
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
MW-25	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

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.



APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/29/2023 3:47:59 PM

JOB DESCRIPTION

Hobbs Junction Mainline (HJM)
SDG NUMBER Lea County

JOB NUMBER

880-26344-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/29/2023 3:47:59 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Laboratory Job ID: 880-26344-1
SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Job ID: 880-26344-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-26344-1
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Receipt
The samples were received on 3/24/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Client Sample ID: MW-11A

Lab Sample ID: 880-26344-1

Date Collected: 03/24/23 10:30

Matrix: Water

Date Received: 03/24/23 15:10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1900		5.00	0.453	ug/L			03/27/23 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	102		70 - 130					03/27/23 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.379		0.100	0.0391	mg/L			03/25/23 19:04	1
Sulfate	66.0		0.500	0.109	mg/L			03/25/23 19:04	1

Method: SW846 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0268		0.00200	0.000224	mg/L		03/28/23 10:00	03/28/23 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	321		4.00	4.00	mg/L			03/28/23 14:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	321		4.00	4.00	mg/L			03/28/23 14:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:18	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:18	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:18	1
Ferrous Iron (SM 3500 FE D)	0.100	HF	0.0500	0.0280	mg/L			03/27/23 11:52	1

Client Sample ID: MW-6

Lab Sample ID: 880-26344-2

Date Collected: 03/24/23 11:30

Matrix: Water

Date Received: 03/24/23 15:10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	625		5.00	0.453	ug/L			03/27/23 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	102		70 - 130					03/27/23 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.227		0.100	0.0391	mg/L			03/25/23 19:17	1
Sulfate	41.4		0.500	0.109	mg/L			03/25/23 19:17	1

Method: SW846 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0582		0.00200	0.000224	mg/L		03/28/23 10:00	03/28/23 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	300		4.00	4.00	mg/L			03/28/23 14:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	300		4.00	4.00	mg/L			03/28/23 14:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:27	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:27	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Client Sample ID: MW-6
Date Collected: 03/24/23 11:30
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26344-2
Matrix: Water

General Chemistry (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/28/23 14:27	1
Ferrous Iron (SM 3500 FE D)	0.170	HF	0.0500	0.0280	mg/L			03/27/23 11:52	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)
Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	fluoroethar (70-130)
880-26344-1	MW-11A	102
880-26344-2	MW-6	102
LCS 860-95986/5	Lab Control Sample	106
LCSD 860-95986/6	Lab Control Sample Dup	106
MB 860-95986/4	Method Blank	105
Surrogate Legend		
Trifluoroethane = Trifluoroethane		

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-95986/4

Matrix: Water

Analysis Batch: 95986

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/27/23 12:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	105		70 - 130					03/27/23 12:56	1

Lab Sample ID: LCS 860-95986/5

Matrix: Water

Analysis Batch: 95986

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.9	18.16		ug/L		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Trifluoroethane	106		70 - 130				

Lab Sample ID: LCSD 860-95986/6

Matrix: Water

Analysis Batch: 95986

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.9	18.03		ug/L		91	70 - 130	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluoroethane	106		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-95888/3

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			03/25/23 16:48	1

Lab Sample ID: LCS 860-95888/4

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.217		mg/L		92	90 - 110

Lab Sample ID: LCSD 860-95888/5

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	9.264		mg/L		93	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-95888/7

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.500	0.4662	J	mg/L		93	50 - 150

Lab Sample ID: 870-15566-C-1 MS

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	3.31		10.0	13.83		mg/L		105	90 - 110

Lab Sample ID: 870-15566-C-1 MSD

Matrix: Water

Analysis Batch: 95888

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	3.31		10.0	13.84		mg/L		105	90 - 110	0	20

Lab Sample ID: MB 860-95889/3

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			03/25/23 16:48	1

Lab Sample ID: LCS 860-95889/4

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	9.896		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-95889/5

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	10.0	9.942		mg/L		99	80 - 120	0	20

Lab Sample ID: LLCS 860-95889/6

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.100	0.1303		mg/L		130	50 - 150

Lab Sample ID: 870-15566-C-1 MS

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.658		10.0	10.81		mg/L		102	80 - 120

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 870-15566-C-1 MSD

Matrix: Water

Analysis Batch: 95889

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.658		10.0	10.83		mg/L		102	80 - 120	0	15

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-96158/1-A

Matrix: Water

Analysis Batch: 96346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000224	U	0.00200	0.000224	mg/L		03/28/23 10:00	03/28/23 17:52	1

Lab Sample ID: LCS 860-96158/2-A

Matrix: Water

Analysis Batch: 96346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.100	0.1034		mg/L		103	80 - 120

Lab Sample ID: LCSD 860-96158/3-A

Matrix: Water

Analysis Batch: 96346

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96158

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.100	0.1018		mg/L		102	80 - 120	2	20

Lab Sample ID: 860-45576-A-1-B MS

Matrix: Water

Analysis Batch: 96346

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.261		0.100	0.3489		mg/L		88	75 - 125

Lab Sample ID: 860-45576-A-1-C MSD

Matrix: Water

Analysis Batch: 96346

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96158

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.261		0.100	0.3594		mg/L		98	75 - 125	3	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-96230/3

Matrix: Water

Analysis Batch: 96230

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			03/28/23 11:39	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/28/23 11:39	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/28/23 11:39	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			03/28/23 11:39	1

Eurofins Midland

QC Sample Results

Client: Talon/LPE

Job ID: 880-26344-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-96230/3

Matrix: Water

Analysis Batch: 96230

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			03/28/23 11:39	1

Lab Sample ID: LCS 860-96230/4

Matrix: Water

Analysis Batch: 96230

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	245.6		mg/L		98	85 - 115

Lab Sample ID: LCSD 860-96230/5

Matrix: Water

Analysis Batch: 96230

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	248.9		mg/L		100	85 - 115	1	20

Lab Sample ID: 860-45551-B-4 DU

Matrix: Water

Analysis Batch: 96230

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	205		204.3		mg/L		0.6	20
Bicarbonate Alkalinity as CaCO3	205		204.3		mg/L		0.6	20
Carbonate Alkalinity as CaCO3	<4.00	U	<4.00	U	mg/L		NC	20
Hydroxide Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20
Phenolphthalein Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 860-95982/3

Matrix: Water

Analysis Batch: 95982

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			03/27/23 11:52	1

Lab Sample ID: LCS 860-95982/4

Matrix: Water

Analysis Batch: 95982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125

Lab Sample ID: LCSD 860-95982/5

Matrix: Water

Analysis Batch: 95982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125	0	25

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 880-26256-A-1 DU				Client Sample ID: Duplicate			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 95982							
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD Limit
Ferrous Iron	0.750		0.7300		mg/L		3 25

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

GC VOA

Analysis Batch: 95986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	RSK-175	
880-26344-2	MW-6	Total/NA	Water	RSK-175	
MB 860-95986/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-95986/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-95986/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 95888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	300.0	
880-26344-2	MW-6	Total/NA	Water	300.0	
MB 860-95888/3	Method Blank	Total/NA	Water	300.0	
LCS 860-95888/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-95888/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-95888/7	Lab Control Sample	Total/NA	Water	300.0	
870-15566-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
870-15566-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 95889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	300.0	
880-26344-2	MW-6	Total/NA	Water	300.0	
MB 860-95889/3	Method Blank	Total/NA	Water	300.0	
LCS 860-95889/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-95889/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-95889/6	Lab Control Sample	Total/NA	Water	300.0	
870-15566-C-1 MS	Matrix Spike	Total/NA	Water	300.0	
870-15566-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 96158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	3010A	
880-26344-2	MW-6	Total/NA	Water	3010A	
MB 860-96158/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-96158/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-96158/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
860-45576-A-1-B MS	Matrix Spike	Total/NA	Water	3010A	
860-45576-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 96346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	6020A	96158
880-26344-2	MW-6	Total/NA	Water	6020A	96158
MB 860-96158/1-A	Method Blank	Total/NA	Water	6020A	96158
LCS 860-96158/2-A	Lab Control Sample	Total/NA	Water	6020A	96158
LCSD 860-96158/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	96158
860-45576-A-1-B MS	Matrix Spike	Total/NA	Water	6020A	96158
860-45576-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	96158

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

General Chemistry

Analysis Batch: 95982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	SM 3500 FE D	
880-26344-2	MW-6	Total/NA	Water	SM 3500 FE D	
MB 860-95982/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-95982/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-95982/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
880-26256-A-1 DU	Duplicate	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 96230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26344-1	MW-11A	Total/NA	Water	SM 2320B	
880-26344-2	MW-6	Total/NA	Water	SM 2320B	
MB 860-96230/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-96230/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-96230/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
860-45551-B-4 DU	Duplicate	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Client Sample ID: MW-11A
Date Collected: 03/24/23 10:30
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26344-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	95986	03/27/23 15:11	CZT	EET HOU
Total/NA	Analysis	300.0		1			95888	03/25/23 19:04	W1N	EET HOU
Total/NA	Analysis	300.0		1			95889	03/25/23 19:04	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	96158	03/28/23 10:00	MD	EET HOU
Total/NA	Analysis	6020A		1			96346	03/28/23 18:27	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			96230	03/28/23 14:18	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	95982	03/27/23 11:52	SCI	EET HOU

Client Sample ID: MW-6
Date Collected: 03/24/23 11:30
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26344-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	95986	03/27/23 15:28	CZT	EET HOU
Total/NA	Analysis	300.0		1			95888	03/25/23 19:17	W1N	EET HOU
Total/NA	Analysis	300.0		1			95889	03/25/23 19:17	W1N	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	96158	03/28/23 10:00	MD	EET HOU
Total/NA	Analysis	6020A		1			96346	03/28/23 18:30	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			96230	03/28/23 14:27	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	95982	03/27/23 11:52	SCI	EET HOU

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 3500 FE D		Water	Ferrous Iron

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Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
RSK-175	Dissolved Gases (GC)	RSK	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
6020A	Metals (ICP/MS)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 3500 FE D	Iron, Ferrous and Ferric	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU

Protocol References:

- EPA = US Environmental Protection Agency
- RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26344-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26344-1	MW-11A	Water	03/24/23 10:30	03/24/23 15:10
880-26344-2	MW-6	Water	03/24/23 11:30	03/24/23 15:10

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199



Work Order No: 202314

www.xenco.com Page 1 of 1

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: ☐ EDD ☐ ADAPT ☐ Other

Project Manager: David Adkins

Company Name: Talon LPE

Address: 408 Texas St

City, State ZIP: Artesia, NM 88210

Phone: 575-441-4835

Bill to: (if different)

Company Name: Plains All American Pipeline

Address: Attn: Carille Bryant

City, State ZIP: SRS # 2803-00017

Email: adkins@talonlpe.com, mgomez@talonlpe.com

Project Name: Hobbs Junction Mailbox (HJM)

Project Number: 2803-00017

Project Location: Lea County, NM

Sampler's Name: M Gomez, N. Rose, J. Plones

PO #: SRS # 2803-00017

SAMPLE RECEIPT

Samples Received Intact: Yes ☒ No ☐ Thermometer ID: 116

Cooler Custody Seals: Yes ☒ No ☐ Correction Factor: -0.3

Sample Custody Seals: Yes ☒ No ☐ Temperature Reading: 22.3

Total Containers: 3

Turn Around: ☒ Routine ☐ Rush

Due Date: TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: Yes ☒ No ☐

Parameters: MNA Parameters

Pres Code: 5

Grab/Comp: 5

Depth: N/A

Time Sampled: 10:30

Date Sampled: 3/24/23

Matrix: BW

Sample Identification: MW-25

Sample Comments: Email Analyticals to: CJBryant@paaap.com

Sample Identification: MW-21

Sample Comments: Madochon@paaap.com

Barcode: 880-26344 Chain of Custody

Preservative Codes: None NO, DI Water H₂O, Cool Cool, MeOH Me, HCL HC, HNO₃ HN, H₂SO₄ H₂, NaOH Na, H₃PO₄ HP, NaHSO₄ NABIS, Na₂S₂O₃ NaSO₃, Zn Acetate+NaOH Zn, NaOH+Ascorbic Acid SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature) [Signature]

Received by: (Signature) [Signature]

Date/Time: 3/24/23

Date/Time: 3/24/23

Date/Time: 3/24/23

Revised Date: 08/25/2020 Rev. 2020.2

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1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Client Information (Sub Contract Lab)				Carrier Tracking No(s): 890-6621 1 State of Origin: Page 1 of 1 Job #: 890-26344-1	
Lab PM: Kramer Jessica E-Mail: Jessica.Kramer@et.eurofins.com Accreditations Required (See note): NELAP Texas		Due Date Requested: 3/30/2023 TAT Requested (days): PO #: WO #: Project #: 89000087 SSOW#: 			
Address: 14145 Greenbriar Dr City: Stafford State/Zip: TX, 77477 Phone: 281-240-4200(Tel) Email: 		Project Name: Hobbs Junction Mainline (HJM) Site: 			
Sample Identification		Client ID (Lab ID)		Special Instructions/Note	
MW-11A (890-26344-1) MW-6 (890-26344-2)		Sample Date 3/24/23 3/24/23		Sample Time 10:30 Mountain 11:30 Mountain	
Sample Type (C=Comp, G=Grab) Preservation Code:		Matrix (V=Water, S=solid, O=soil, A=air, T=tissue, A=acid)		Field Filled Sample (Yes or No)	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (MOD) Manganese RSK_175I (MOD) Local Method		X X X X X		X X X X X	
3500 FE_D/Ferrous Iron 300 DRGFM (MOD) Sulfate Perform MS/MSD (Yes or No)		X X X X X		X X X X X	
300 DRGFM (MOD) Nitrate 300 DRGFM (MOD) Manganese 2320B Alkalinity 602A/3010A (					

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/less-than/being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to the accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If requested accreditations are current to date, return the signed Chain of Custody attesting to Eurofins Environment Testing South Central, LLC.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client	Disposal By Lab	Archive For	Months
☐	☐	☐	

Special Instructions/QC Requirements.

e.	Method of Shipment

[illegible]

Received by: **FedEx**
Delivery time

Received by	Date/Time
CA 108	

Leahy

Received by:	Date/Time
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Temp: IR ID: HOU-344

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26344-1

SDG Number: Lea County

Login Number: 26344

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26344-1

SDG Number: Lea County

Login Number: 26344

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 03/25/23 12:50 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 4/4/2023 9:58:14 AM

JOB DESCRIPTION

Hobbs Junction Mainline (HJM)
SDG NUMBER Lea County, NM

JOB NUMBER

880-26345-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
4/4/2023 9:58:14 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Laboratory Job ID: 880-26345-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Job ID: 880-26345-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-26345-1

Receipt

The samples were received on 3/24/2023 3:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

GC/MS Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-33

Lab Sample ID: 880-26345-1

Date Collected: 03/24/23 09:35

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/02/23 06:15	1
Toluene	0.000412	J	0.00200	0.000367	mg/L			04/02/23 06:15	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/02/23 06:15	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/02/23 06:15	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/02/23 06:15	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/02/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130					04/02/23 06:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130					04/02/23 06:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/03/23 16:44	1

Client Sample ID: MW-28

Lab Sample ID: 880-26345-2

Date Collected: 03/24/23 09:52

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/02/23 06:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/02/23 06:36	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/02/23 06:36	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/02/23 06:36	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/02/23 06:36	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/02/23 06:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130					04/02/23 06:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130					04/02/23 06:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/03/23 16:44	1

Client Sample ID: MW-7

Lab Sample ID: 880-26345-3

Date Collected: 03/24/23 10:08

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/02/23 06:56	1
Toluene	0.000498	J	0.00200	0.000367	mg/L			04/02/23 06:56	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/02/23 06:56	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/02/23 06:56	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/02/23 06:56	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/02/23 06:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					04/02/23 06:56	1
1,4-Difluorobenzene (Surr)	106		70 - 130					04/02/23 06:56	1

Eurofins Midland

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-7

Lab Sample ID: 880-26345-3

Date Collected: 03/24/23 10:08

Matrix: Water

Date Received: 03/24/23 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/03/23 16:44	1

Client Sample ID: MW-18

Lab Sample ID: 880-26345-4

Date Collected: 03/24/23 10:25

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000989	U	0.000180	0.0000989	mg/L		03/27/23 16:55	03/29/23 12:40	1
Acenaphthylene	<0.0000833	U	0.000180	0.0000833	mg/L		03/27/23 16:55	03/29/23 12:40	1
Anthracene	<0.0000890	U	0.000180	0.0000890	mg/L		03/27/23 16:55	03/29/23 12:40	1
Benzo[a]anthracene	<0.000133	U	0.000180	0.000133	mg/L		03/27/23 16:55	03/29/23 12:40	1
Benzo[a]pyrene	<0.0000565	U	0.000180	0.0000565	mg/L		03/27/23 16:55	03/29/23 12:40	1
Benzo[b]fluoranthene	<0.0000692	U	0.000180	0.0000692	mg/L		03/27/23 16:55	03/29/23 12:40	1
Benzo[g,h,i]perylene	<0.000112	U	0.000180	0.000112	mg/L		03/27/23 16:55	03/29/23 12:40	1
Benzo[k]fluoranthene	<0.000115	U	0.000180	0.000115	mg/L		03/27/23 16:55	03/29/23 12:40	1
Chrysene	<0.000154	U	0.000180	0.000154	mg/L		03/27/23 16:55	03/29/23 12:40	1
Dibenz(a,h)anthracene	<0.0000752	U	0.000180	0.0000752	mg/L		03/27/23 16:55	03/29/23 12:40	1
Dibenzofuran	<0.0000989	U	0.000180	0.0000989	mg/L		03/27/23 16:55	03/29/23 12:40	1
Fluoranthene	<0.000155	U	0.000180	0.000155	mg/L		03/27/23 16:55	03/29/23 12:40	1
Fluorene	<0.0000999	U	0.000180	0.0000999	mg/L		03/27/23 16:55	03/29/23 12:40	1
Indeno[1,2,3-cd]pyrene	<0.0000903	U	0.000180	0.0000903	mg/L		03/27/23 16:55	03/29/23 12:40	1
Naphthalene	<0.0000962	U	0.00360	0.0000962	mg/L		03/27/23 16:55	03/29/23 12:40	1
Phenanthrene	<0.0000841	U	0.000180	0.0000841	mg/L		03/27/23 16:55	03/29/23 12:40	1
Pyrene	<0.000129	U	0.000180	0.000129	mg/L		03/27/23 16:55	03/29/23 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	133		54 - 146				03/27/23 16:55	03/29/23 12:40	1
Nitrobenzene-d5	94		46 - 151				03/27/23 16:55	03/29/23 12:40	1
p-Terphenyl-d14	102		51 - 139				03/27/23 16:55	03/29/23 12:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/02/23 07:17	1
Toluene	0.000393	J	0.00200	0.000367	mg/L			04/02/23 07:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/02/23 07:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/02/23 07:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/02/23 07:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/02/23 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					04/02/23 07:17	1
1,4-Difluorobenzene (Surr)	105		70 - 130					04/02/23 07:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/03/23 16:44	1

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-25

Lab Sample ID: 880-26345-5

Date Collected: 03/24/23 10:30

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0137	J	0.0200	0.00408	mg/L			04/04/23 02:18	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			04/04/23 02:18	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			04/04/23 02:18	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			04/04/23 02:18	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			04/04/23 02:18	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			04/04/23 02:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		04/04/23 02:18	10
1,4-Difluorobenzene (Surr)	104		70 - 130		04/04/23 02:18	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0137	J	0.0400	0.00657	mg/L			04/04/23 10:23	1

Client Sample ID: MW-31

Lab Sample ID: 880-26345-6

Date Collected: 03/24/23 10:36

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/04/23 00:15	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/04/23 00:15	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/04/23 00:15	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/04/23 00:15	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/04/23 00:15	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/04/23 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		04/04/23 00:15	1
1,4-Difluorobenzene (Surr)	103		70 - 130		04/04/23 00:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/04/23 10:23	1

Client Sample ID: MW-32

Lab Sample ID: 880-26345-7

Date Collected: 03/24/23 10:45

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/04/23 00:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/04/23 00:36	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/04/23 00:36	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/04/23 00:36	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/04/23 00:36	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/04/23 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		04/04/23 00:36	1
1,4-Difluorobenzene (Surr)	107		70 - 130		04/04/23 00:36	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-32

Lab Sample ID: 880-26345-7

Date Collected: 03/24/23 10:45

Matrix: Water

Date Received: 03/24/23 15:10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/04/23 10:23	1

Client Sample ID: MW-22

Lab Sample ID: 880-26345-8

Date Collected: 03/24/23 10:51

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/04/23 00:56	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/04/23 00:56	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/04/23 00:56	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/04/23 00:56	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/04/23 00:56	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/04/23 00:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		04/04/23 00:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130		04/04/23 00:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/04/23 10:23	1

Client Sample ID: MW-21

Lab Sample ID: 880-26345-9

Date Collected: 03/24/23 11:30

Matrix: Water

Date Received: 03/24/23 15:10

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00844		0.00200	0.000408	mg/L			04/04/23 01:16	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/04/23 01:16	1
Ethylbenzene	0.0182		0.00200	0.000657	mg/L			04/04/23 01:16	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/04/23 01:16	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/04/23 01:16	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/04/23 01:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		04/04/23 01:16	1
1,4-Difluorobenzene (Surr)	103		70 - 130		04/04/23 01:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0266		0.00400	0.000657	mg/L			04/04/23 10:23	1

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Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (54-146)	NBZ (46-151)	TPHd14 (51-139)
880-26345-4	MW-18	133	94	102
LCS 860-96050/2-A	Lab Control Sample	129	126	112
LCSD 860-96050/3-A	Lab Control Sample Dup	132	129	130
MB 860-96050/1-A	Method Blank	126	111	113
Surrogate Legend				
FBP = 2-Fluorobiphenyl				
NBZ = Nitrobenzene-d5				
TPHd14 = p-Terphenyl-d14				

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-26260-A-7 MS	Matrix Spike	105	108
880-26260-A-7 MSD	Matrix Spike Duplicate	105	111
880-26345-1	MW-33	101	101
880-26345-2	MW-28	101	105
880-26345-3	MW-7	97	106
880-26345-4	MW-18	99	105
880-26345-5	MW-25	100	104
880-26345-6	MW-31	95	103
880-26345-6 MS	MW-31	96	112
880-26345-6 MSD	MW-31	97	111
880-26345-7	MW-32	101	107
880-26345-8	MW-22	94	101
880-26345-9	MW-21	92	103
LCS 880-50015/96	Lab Control Sample	102	108
LCS 880-50103/34	Lab Control Sample	97	110
LCSD 880-50015/97	Lab Control Sample Dup	98	110
LCSD 880-50103/35	Lab Control Sample Dup	96	111
MB 880-49879/5-A	Method Blank	90	99
MB 880-49883/5-B	Method Blank	90	97
MB 880-50015/101	Method Blank	90	98
MB 880-50103/39	Method Blank	88	102
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 860-96050/1-A							Client Sample ID: Method Blank		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 96205							Prep Batch: 96050		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		03/27/23 16:55	03/28/23 16:45	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		03/27/23 16:55	03/28/23 16:45	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		03/27/23 16:55	03/28/23 16:45	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/27/23 16:55	03/28/23 16:45	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		03/27/23 16:55	03/28/23 16:45	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		03/27/23 16:55	03/28/23 16:45	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/27/23 16:55	03/28/23 16:45	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/27/23 16:55	03/28/23 16:45	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/27/23 16:55	03/28/23 16:45	1
Dibenz(a,h)anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		03/27/23 16:55	03/28/23 16:45	1
Dibenzofuran	<0.000100	U	0.000182	0.000100	mg/L		03/27/23 16:55	03/28/23 16:45	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/27/23 16:55	03/28/23 16:45	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/27/23 16:55	03/28/23 16:45	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		03/27/23 16:55	03/28/23 16:45	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		03/27/23 16:55	03/28/23 16:45	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		03/27/23 16:55	03/28/23 16:45	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/27/23 16:55	03/28/23 16:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	126		54 - 146				03/27/23 16:55	03/28/23 16:45	1
Nitrobenzene-d5	111		46 - 151				03/27/23 16:55	03/28/23 16:45	1
p-Terphenyl-d14	113		51 - 139				03/27/23 16:55	03/28/23 16:45	1

Lab Sample ID: LCS 860-96050/2-A							Client Sample ID: Lab Control Sample		
Matrix: Water							Prep Type: Total/NA		
Analysis Batch: 96205							Prep Batch: 96050		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	0.0182	0.02234		mg/L		123	66 - 174		
Acenaphthylene	0.0182	0.02259		mg/L		124	67 - 182		
Anthracene	0.0182	0.02127		mg/L		117	55 - 191		
Benzo[a]anthracene	0.0182	0.01988		mg/L		109	16 - 171		
Benzo[a]pyrene	0.0182	0.01941		mg/L		107	10 - 165		
Benzo[b]fluoranthene	0.0182	0.01875		mg/L		103	10 - 166		
Benzo[g,h,i]perylene	0.0182	0.01488		mg/L		82	10 - 154		
Benzo[k]fluoranthene	0.0182	0.02072		mg/L		114	10 - 178		
Chrysene	0.0182	0.02077		mg/L		114	10 - 172		
Dibenz(a,h)anthracene	0.0182	0.01436		mg/L		79	10 - 168		
Dibenzofuran	0.0182	0.02217		mg/L		122	68 - 178		
Fluoranthene	0.0182	0.02102		mg/L		115	52 - 185		
Fluorene	0.0182	0.02137		mg/L		117	64 - 184		
Indeno[1,2,3-cd]pyrene	0.0182	0.01408		mg/L		77	10 - 160		
Naphthalene	0.0182	0.02055		mg/L		113	66 - 166		
Phenanthrene	0.0182	0.02169		mg/L		119	66 - 184		
Pyrene	0.0182	0.01959		mg/L		108	58 - 181		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
2-Fluorobiphenyl	129		54 - 146						

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QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 860-96050/2-A

Matrix: Water

Analysis Batch: 96205

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96050

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	126		46 - 151
p-Terphenyl-d14	112		51 - 139

Lab Sample ID: LCSD 860-96050/3-A

Matrix: Water

Analysis Batch: 96205

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96050

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	0.0181	0.02323		mg/L		128	66 - 174	4	40
Acenaphthylene	0.0181	0.02321		mg/L		128	67 - 182	3	40
Anthracene	0.0181	0.02214		mg/L		122	55 - 191	4	40
Benzo[a]anthracene	0.0181	0.01796		mg/L		99	16 - 171	10	50
Benzo[a]pyrene	0.0181	0.01697		mg/L		93	10 - 165	13	50
Benzo[b]fluoranthene	0.0181	0.01594		mg/L		88	10 - 166	16	50
Benzo[g,h,i]perylene	0.0181	0.01603		mg/L		88	10 - 154	7	50
Benzo[k]fluoranthene	0.0181	0.01855		mg/L		102	10 - 178	11	50
Chrysene	0.0181	0.01897		mg/L		105	10 - 172	9	50
Dibenz(a,h)anthracene	0.0181	0.01598		mg/L		88	10 - 168	11	50
Dibenzofuran	0.0181	0.02294		mg/L		126	68 - 178	3	40
Fluoranthene	0.0181	0.02127		mg/L		117	52 - 185	1	40
Fluorene	0.0181	0.02214		mg/L		122	64 - 184	4	40
Indeno[1,2,3-cd]pyrene	0.0181	0.01551		mg/L		85	10 - 160	10	50
Naphthalene	0.0181	0.02242		mg/L		124	66 - 166	9	40
Phenanthrene	0.0181	0.02259		mg/L		124	66 - 184	4	40
Pyrene	0.0181	0.02577		mg/L		142	58 - 181	27	40

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	132		54 - 146
Nitrobenzene-d5	129		46 - 151
p-Terphenyl-d14	130		51 - 139

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49879/5-A

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/29/23 16:16	04/01/23 11:55	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/29/23 16:16	04/01/23 11:55	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/29/23 16:16	04/01/23 11:55	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/29/23 16:16	04/01/23 11:55	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/29/23 16:16	04/01/23 11:55	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/29/23 16:16	04/01/23 11:55	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	90		70 - 130	03/29/23 16:16	04/01/23 11:55	1			
1,4-Difluorobenzene (Surr)	99		70 - 130	03/29/23 16:16	04/01/23 11:55	1			

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QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49883/5-B

Matrix: Water

Analysis Batch: 50103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/29/23 16:20	04/03/23 11:48	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/29/23 16:20	04/03/23 11:48	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/29/23 16:20	04/03/23 11:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/29/23 16:20	04/03/23 11:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/29/23 16:20	04/03/23 11:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/29/23 16:20	04/03/23 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/29/23 16:20	04/03/23 11:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/29/23 16:20	04/03/23 11:48	1

Lab Sample ID: MB 880-50015/101

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/01/23 23:31	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/01/23 23:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/01/23 23:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/01/23 23:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/01/23 23:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/01/23 23:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130		04/01/23 23:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130		04/01/23 23:31	1

Lab Sample ID: LCS 880-50015/96

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09405		mg/L		94	70 - 130
Toluene	0.100	0.09022		mg/L		90	70 - 130
Ethylbenzene	0.100	0.08306		mg/L		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1639		mg/L		82	70 - 130
o-Xylene	0.100	0.08361		mg/L		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-50015/97

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1056		mg/L		106	70 - 130	12	20

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-50015/97

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.1007			mg/L		101	70 - 130	11	20
Ethylbenzene	0.100	0.09232			mg/L		92	70 - 130	11	20
m-Xylene & p-Xylene	0.200	0.1821			mg/L		91	70 - 130	11	20
o-Xylene	0.100	0.09318			mg/L		93	70 - 130	11	20
Surrogate		LCSD	LCSD	Limits						
		%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)		98		70 - 130						
1,4-Difluorobenzene (Surr)		110		70 - 130						

Lab Sample ID: 880-26260-A-7 MS

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.000408	U	0.100	0.1106		mg/L		111	70 - 130	
Toluene	<0.000367	U	0.100	0.1072		mg/L		107	70 - 130	
Ethylbenzene	<0.000657	U	0.100	0.09870		mg/L		99	70 - 130	
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1954		mg/L		98	70 - 130	
o-Xylene	<0.000642	U	0.100	0.09977		mg/L		100	70 - 130	
Surrogate		MS	MS	Limits						
		%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)		105		70 - 130						
1,4-Difluorobenzene (Surr)		108		70 - 130						

Lab Sample ID: 880-26260-A-7 MSD

Matrix: Water

Analysis Batch: 50015

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.000408	U	0.100	0.1113		mg/L		111	70 - 130	1	25
Toluene	<0.000367	U	0.100	0.1070		mg/L		107	70 - 130	0	25
Ethylbenzene	<0.000657	U	0.100	0.09849		mg/L		98	70 - 130	0	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1943		mg/L		97	70 - 130	1	25
o-Xylene	<0.000642	U	0.100	0.09891		mg/L		99	70 - 130	1	25
Surrogate		MSD	MSD	Limits							
		%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)		105		70 - 130							
1,4-Difluorobenzene (Surr)		111		70 - 130							

Lab Sample ID: MB 880-50103/39

Matrix: Water

Analysis Batch: 50103

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/03/23 23:26	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/03/23 23:26	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/03/23 23:26	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/03/23 23:26	1

Eurofins Midland

QC Sample Results

Client: Talon/LPE

Job ID: 880-26345-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-50103/39

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 50103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/03/23 23:26	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/03/23 23:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130					04/03/23 23:26	1
1,4-Difluorobenzene (Surr)	102		70 - 130					04/03/23 23:26	1

Lab Sample ID: LCS 880-50103/34

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 50103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/L		102	70 - 130
Toluene	0.100	0.09866		mg/L		99	70 - 130
Ethylbenzene	0.100	0.08953		mg/L		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1763		mg/L		88	70 - 130
o-Xylene	0.100	0.09034		mg/L		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	97		70 - 130				
1,4-Difluorobenzene (Surr)	110		70 - 130				

Lab Sample ID: LCSD 880-50103/35

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 50103

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1043		mg/L		104	70 - 130	2	20
Toluene	0.100	0.09881		mg/L		99	70 - 130	0	20
Ethylbenzene	0.100	0.09008		mg/L		90	70 - 130	1	20
m-Xylene & p-Xylene	0.200	0.1769		mg/L		88	70 - 130	0	20
o-Xylene	0.100	0.08959		mg/L		90	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-26345-6 MS

Client Sample ID: MW-31

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 50103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000408	U	0.100	0.09976		mg/L		100	70 - 130
Toluene	<0.000367	U	0.100	0.09474		mg/L		95	70 - 130
Ethylbenzene	<0.000657	U	0.100	0.08618		mg/L		86	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1685		mg/L		84	70 - 130
o-Xylene	<0.000642	U	0.100	0.08621		mg/L		86	70 - 130

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-26345-6 MS
Matrix: Water
Analysis Batch: 50103

Client Sample ID: MW-31
Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-26345-6 MSD
Matrix: Water
Analysis Batch: 50103

Client Sample ID: MW-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.1057		mg/L		106	70 - 130	6	25
Toluene	<0.000367	U	0.100	0.1007		mg/L		101	70 - 130	6	25
Ethylbenzene	<0.000657	U	0.100	0.09099		mg/L		91	70 - 130	5	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1782		mg/L		89	70 - 130	6	25
o-Xylene	<0.000642	U	0.100	0.09145		mg/L		91	70 - 130	6	25
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	111		70 - 130								

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

GC/MS Semi VOA

Prep Batch: 96050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26345-4	MW-18	Total/NA	Water	3511	
MB 860-96050/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-96050/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-96050/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 96205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-96050/1-A	Method Blank	Total/NA	Water	8270D SIM	96050
LCS 860-96050/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	96050
LCSD 860-96050/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	96050

Analysis Batch: 96284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26345-4	MW-18	Total/NA	Water	8270D SIM	96050

GC VOA

Prep Batch: 49879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49879/5-A	Method Blank	Total/NA	Water	5035	

Prep Batch: 49883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49883/5-B	Method Blank	Total/NA	Water	5035	

Analysis Batch: 50015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26345-1	MW-33	Total/NA	Water	8021B	
880-26345-2	MW-28	Total/NA	Water	8021B	
880-26345-3	MW-7	Total/NA	Water	8021B	
880-26345-4	MW-18	Total/NA	Water	8021B	
MB 880-49879/5-A	Method Blank	Total/NA	Water	8021B	49879
MB 880-50015/101	Method Blank	Total/NA	Water	8021B	
LCS 880-50015/96	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-50015/97	Lab Control Sample Dup	Total/NA	Water	8021B	
880-26260-A-7 MS	Matrix Spike	Total/NA	Water	8021B	
880-26260-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 50103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26345-5	MW-25	Total/NA	Water	8021B	
880-26345-6	MW-31	Total/NA	Water	8021B	
880-26345-7	MW-32	Total/NA	Water	8021B	
880-26345-8	MW-22	Total/NA	Water	8021B	
880-26345-9	MW-21	Total/NA	Water	8021B	
MB 880-49883/5-B	Method Blank	Total/NA	Water	8021B	49883
MB 880-50103/39	Method Blank	Total/NA	Water	8021B	
LCS 880-50103/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-50103/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-26345-6 MS	MW-31	Total/NA	Water	8021B	
880-26345-6 MSD	MW-31	Total/NA	Water	8021B	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 50263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26345-1	MW-33	Total/NA	Water	Total BTEX	
880-26345-2	MW-28	Total/NA	Water	Total BTEX	
880-26345-3	MW-7	Total/NA	Water	Total BTEX	
880-26345-4	MW-18	Total/NA	Water	Total BTEX	
880-26345-5	MW-25	Total/NA	Water	Total BTEX	
880-26345-6	MW-31	Total/NA	Water	Total BTEX	
880-26345-7	MW-32	Total/NA	Water	Total BTEX	
880-26345-8	MW-22	Total/NA	Water	Total BTEX	
880-26345-9	MW-21	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-33

Lab Sample ID: 880-26345-1

Date Collected: 03/24/23 09:35

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50015	04/02/23 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/03/23 16:44	SM	EET MID

Client Sample ID: MW-28

Lab Sample ID: 880-26345-2

Date Collected: 03/24/23 09:52

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50015	04/02/23 06:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/03/23 16:44	SM	EET MID

Client Sample ID: MW-7

Lab Sample ID: 880-26345-3

Date Collected: 03/24/23 10:08

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50015	04/02/23 06:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/03/23 16:44	SM	EET MID

Client Sample ID: MW-18

Lab Sample ID: 880-26345-4

Date Collected: 03/24/23 10:25

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.6 mL	2 mL	96050	03/27/23 16:55	RC	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	96284	03/29/23 12:40	IS	EET HOU
Total/NA	Analysis	8021B		1	5 mL	5 mL	50015	04/02/23 07:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/03/23 16:44	SM	EET MID

Client Sample ID: MW-25

Lab Sample ID: 880-26345-5

Date Collected: 03/24/23 10:30

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	50103	04/04/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/04/23 10:23	SM	EET MID

Client Sample ID: MW-31

Lab Sample ID: 880-26345-6

Date Collected: 03/24/23 10:36

Matrix: Water

Date Received: 03/24/23 15:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50103	04/04/23 00:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/04/23 10:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Client Sample ID: MW-32
Date Collected: 03/24/23 10:45
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26345-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50103	04/04/23 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/04/23 10:23	SM	EET MID

Client Sample ID: MW-22
Date Collected: 03/24/23 10:51
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26345-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50103	04/04/23 00:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/04/23 10:23	SM	EET MID

Client Sample ID: MW-21
Date Collected: 03/24/23 11:30
Date Received: 03/24/23 15:10

Lab Sample ID: 880-26345-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50103	04/04/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50263	04/04/23 10:23	SM	EET MID

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8270D SIM	3511	Water	Dibenzofuran

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET HOU
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3511	Microextraction of Organic Compounds	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26345-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26345-1	MW-33	Water	03/24/23 09:35	03/24/23 15:10
880-26345-2	MW-28	Water	03/24/23 09:52	03/24/23 15:10
880-26345-3	MW-7	Water	03/24/23 10:08	03/24/23 15:10
880-26345-4	MW-18	Water	03/24/23 10:25	03/24/23 15:10
880-26345-5	MW-25	Water	03/24/23 10:30	03/24/23 15:10
880-26345-6	MW-31	Water	03/24/23 10:36	03/24/23 15:10
880-26345-7	MW-32	Water	03/24/23 10:45	03/24/23 15:10
880-26345-8	MW-22	Water	03/24/23 10:51	03/24/23 15:10
880-26345-9	MW-21	Water	03/24/23 11:30	03/24/23 15:10

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Chain of Custody

Houston, TX (281) 240-4200, Dallas TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 20345

Page 1 of 1

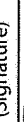
Project Manager:	David Adkins		Bill to: (if different)	Plains All American Pipeline
Company Name:	Talan LPE		Company Name:	Attn: Camille Bryant
Address:	408 Texas St.		Address:	
City, State ZIP:	Artesia, NM 88210		City, State ZIP:	SRS # 2003-00017
Phone:	575-441-4835		Email:	adkins@talanlpe.com, ngbrez@talanlpe.com

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #	Turn Around	Pres. Code	ANALYSIS REQUIRED
Hobbs Junction Mainline (HDS)		Lea County, NM	M. Gomez, N. Rose, J. Flores	SRS #2003-00017	☒ Routine ☐ Rush		
Due Date:							
TAT starts the day received by the lab, if received by 4:30pm							
SAMPLE RECEIPT					Temp Blank:	Yes ☒ No ☐	
Samples Received Intact:					Yes ☒ No ☐	Thermometer ID:	
Cooler Custody Seals:					Yes ☐ No ☒ (N/A)	Correction Factor:	
Sample Custody Seals:					Yes ☐ No ☒ (N/A)	Temperature Reading:	
Total Containers:						Corrected Temperature:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Other	PAH
MW-33	6W	3/24/23	9:35	N/A		3	X	
MW-28			9:52			3	X	
MW-7			10:08			3	X	
MW-18			10:25			5	X	X
MW-25			10:30			3	X	
MW-31			10:36			3	X	
MW-32			10:45			3	X	
MW-22			10:51			3	X	
MW-21			11:30			3	X	

	Total	200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg
Circle Method(s) and Metal(s) to be analyzed				TCLP / SPLP 6010	8RCRA	Sb	As	Ba	Be	B	Cd <td>Ca <td>Cr <td>Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni </td></td></td></td></td></td></td></td>	Ca <td>Cr <td>Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni </td></td></td></td></td></td></td>	Cr <td>Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni </td></td></td></td></td></td>	Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni </td></td></td></td></td>	Cu <td>Pb <td>Mn <td>Mo <td>Ni </td></td></td></td>	Pb <td>Mn <td>Mo <td>Ni </td></td></td>	Mn <td>Mo <td>Ni </td></td>	Mo <td>Ni </td>	Ni

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond Eurofins Xeno's control. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless the client notifies Eurofins Xeno in writing within 10 business days of the date of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond Eurofins Xeno's control. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless the client notifies Eurofins Xeno in writing within 10 business days of the date of service.

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)
1			3/24/23	
3				
4				
6			1/30	

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

 eurofins

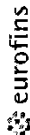
Environ Biol Fish

[illegible]

Eurofins Midland

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record



Environ. Test. Inc.

Client Information (Sub Contract Lab)		Lab PIN: Kramer Jessica		Carrier Tracking No(s): 880-6621 1	
Client Contact: 1211 W Florida Ave Midland, TX 79701 Phone: 432-704-5440		Phone:		Page: 1 of 1	
Shipping/Receiving		E-Mail: Jessica.Kramer@eurofins.com		State of Origin: New Mexico	
Company: Eurofins Environment Testing South Central		Accreditations Required (See note): NELAP Texas		Job #: 880-26345-1	
Address: 4145 Greenbriar Dr City: Stafford State: TX Zip: 77477 Phone: 281-240-4200(Tel) Email:		Due Date Requested: 3/30/2023 TAT Requested (days):		Preservation Codes: A HCL B NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Anion H Ascorbic Acid I Ice J DI Water K EDTA L EDA M Hexane N None O AsNaO2 P Na2O4S Q Na2SO3 R Na2SO4 S H2SO4 T TSP Dodecylhydrate U Acetone V MCAA W pH 4-5 X Trizma Y other (specify)	
Project Name: Hobbs Junction Mainline (HJM) Site:		Project #: 85000088 SSOW#:		Analysis Requested	
Sample Identification Client ID (Lab ID)		Sample Date		Sample Time	
MW-18 (880-26345-4)		3/24/23		10:25 Mountain	
Matrix (Water, Seawater, Urine, etc.)		Sample Type (C=Comp, G=Grab)		Preservation Code	
Water		Water		8270D_SINMS11 8270D (PAHS)-351 Prep	
Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)		Field Filtered Sample (Yes or No)	
X		X		X	
Special Instructions/Note:		Total Number of Containers		Special Instructions/Note:	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis, the sample must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I II III IV Other (specify)					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by					
Relinquished by: [Signature]					
Relinquished by: FedEx					
Relinquished by: [Signature]					
Custody Seal Intact: ☐ Yes ☐ No					
Custody Seal No. IR ID:HOU-344					
Temp: C/F -0.2 1.5					
Corrected Temp: 1.3					
06/08/2021					

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26345-1
SDG Number: Lea County, NM

Login Number: 26345

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26345-1

SDG Number: Lea County, NM

Login Number: 26345

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 03/25/23 03:29 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 3/30/2023 1:12:42 PM

JOB DESCRIPTION

Hobbs Junction Mainline
SDG NUMBER Lea County NM

JOB NUMBER

880-26439-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/30/2023 1:12:42 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Laboratory Job ID: 880-26439-1
SDG: Lea County NM

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Job ID: 880-26439-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-26439-1

Receipt

The sample was received on 3/27/2023 11:37 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-49785 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Client Sample ID: MW-23
Date Collected: 03/27/23 10:05
Date Received: 03/27/23 11:37

Lab Sample ID: 880-26439-1
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/30/23 04:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/30/23 04:44	1
Ethylbenzene	<0.000657	U *1	0.00200	0.000657	mg/L			03/30/23 04:44	1
m-Xylene & p-Xylene	<0.000629	U *1	0.00400	0.000629	mg/L			03/30/23 04:44	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			03/30/23 04:44	1
Xylenes, Total	<0.000642	U *1	0.00400	0.000642	mg/L			03/30/23 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130					03/30/23 04:44	1
1,4-Difluorobenzene (Surr)	77		70 - 130					03/30/23 04:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/30/23 13:19	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	BFB1	DFBZ1		
		(70-130)	(70-130)		
880-26439-1	MW-23	107	77		
890-4336-A-5 MS	Matrix Spike	114	107		
890-4336-A-5 MSD	Matrix Spike Duplicate	117	109		
LCS 880-49785/34	Lab Control Sample	121	105		
LCSD 880-49785/35	Lab Control Sample Dup	110	105		
MB 880-49613/5-A	Method Blank	74	82		
MB 880-49785/39	Method Blank	78	76		
Surrogate Legend					
BFB = 4-Bromofluorobenzene (Surr)					
DFBZ = 1,4-Difluorobenzene (Surr)					

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49613/5-A

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/27/23 11:12	03/29/23 11:58	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/27/23 11:12	03/29/23 11:58	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/27/23 11:12	03/29/23 11:58	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/27/23 11:12	03/29/23 11:58	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/27/23 11:12	03/29/23 11:58	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/27/23 11:12	03/29/23 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	03/27/23 11:12	03/29/23 11:58	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/27/23 11:12	03/29/23 11:58	1

Lab Sample ID: MB 880-49785/39

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/29/23 22:34	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/29/23 22:34	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/29/23 22:34	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/29/23 22:34	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/29/23 22:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/29/23 22:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130		03/29/23 22:34	1
1,4-Difluorobenzene (Surr)	76		70 - 130		03/29/23 22:34	1

Lab Sample ID: LCS 880-49785/34

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1060		mg/L		106	70 - 130
Toluene	0.100	0.1082		mg/L		108	70 - 130
Ethylbenzene	0.100	0.1154		mg/L		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2494		mg/L		125	70 - 130
o-Xylene	0.100	0.1327	*+	mg/L		133	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-49785/35

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08984		mg/L		90	70 - 130	16	20

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-49785/35

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec		RPD
	Added	Result	Qualifier	Limit				Limits	RPD	
Toluene	0.100	0.09257			mg/L		93	70 - 130	16	20
Ethylbenzene	0.100	0.09019	*1		mg/L		90	70 - 130	25	20
m-Xylene & p-Xylene	0.200	0.1909	*1		mg/L		95	70 - 130	27	20
o-Xylene	0.100	0.1000	*1		mg/L		100	70 - 130	28	20
LCSD		LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	110		70 - 130							
1,4-Difluorobenzene (Surr)	105		70 - 130							

Lab Sample ID: 890-4336-A-5 MS

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike	MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Benzene	<0.000408	U	0.100	0.1039		mg/L		104	70 - 130	
Toluene	<0.000367	U	0.100	0.1040		mg/L		104	70 - 130	
Ethylbenzene	<0.000657	U *1	0.100	0.1062		mg/L		106	70 - 130	
m-Xylene & p-Xylene	<0.000629	U *1	0.200	0.2205		mg/L		110	70 - 130	
o-Xylene	<0.000642	U *+ *1	0.100	0.1142		mg/L		114	70 - 130	
MS		MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	114		70 - 130							
1,4-Difluorobenzene (Surr)	107		70 - 130							

Lab Sample ID: 890-4336-A-5 MSD

Matrix: Water

Analysis Batch: 49785

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike	MSD		Unit	D	%Rec	%Rec		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Benzene	<0.000408	U	0.100	0.1094		mg/L		109	70 - 130	5	25
Toluene	<0.000367	U	0.100	0.1116		mg/L		112	70 - 130	7	25
Ethylbenzene	<0.000657	U *1	0.100	0.1145		mg/L		114	70 - 130	7	25
m-Xylene & p-Xylene	<0.000629	U *1	0.200	0.2398		mg/L		120	70 - 130	8	25
o-Xylene	<0.000642	U *+ *1	0.100	0.1232		mg/L		123	70 - 130	8	25
MSD		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

GC VOA

Prep Batch: 49613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49613/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 49785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26439-1	MW-23	Total/NA	Water	8021B	
MB 880-49613/5-A	Method Blank	Total/NA	Water	8021B	49613
MB 880-49785/39	Method Blank	Total/NA	Water	8021B	
LCS 880-49785/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-49785/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4336-A-5 MS	Matrix Spike	Total/NA	Water	8021B	
890-4336-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 49955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26439-1	MW-23	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Client Sample ID: MW-23
Date Collected: 03/27/23 10:05
Date Received: 03/27/23 11:37

Lab Sample ID: 880-26439-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49785	03/30/23 04:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49955	03/30/23 13:19	SM	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

- 1
- 2
- 3
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- 13
- 14

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

- 1
- 2
- 3
- 4
- 5
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- 7
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- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5030B	Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26439-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26439-1	MW-23	Water	03/27/23 10:05	03/27/23 11:37

- 1
- 2
- 3
- 4
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- 10
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- 12
- 13
- 14



Environment Testing

Houston, TX (281) 240-4200, Dallas TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody



880-26439 Chain of Custody

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[illegible]

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26439-1

SDG Number: Lea County NM

Login Number: 26439

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 4/10/2023 12:48:26 PM

JOB DESCRIPTION

Hobbs Junction Mainline (HJM)
SDG NUMBER Lea County

JOB NUMBER

880-26441-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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4/10/2023 12:48:26 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Laboratory Job ID: 880-26441-1
SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Job ID: 880-26441-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-26441-1
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Receipt

The sample was received on 3/27/2023 11:37 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFMS: The Nitrate as N matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-49776 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.MW-23 (880-26441-1), (880-26465-A-1), (880-26465-A-1 MS) and (880-26465-A-1 MSD)

Method 300_ORGFMS: The Nitrite as N matrix spike duplicate (MSD) recoveries for analytical batch 880-49776 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. (880-26465-A-1) and (880-26465-A-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Client Sample ID: MW-23

Lab Sample ID: 880-26441-1

Date Collected: 03/27/23 10:05

Matrix: Water

Date Received: 03/27/23 11:37

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/31/23 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	111		70 - 130					03/31/23 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.73		0.100	0.0367	mg/L			03/28/23 22:28	1
Sulfate	115		0.500	0.109	mg/L			04/09/23 22:21	1

Method: SW846 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00122	J	0.00200	0.000224	mg/L		03/31/23 10:00	03/31/23 15:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	280		4.00	4.00	mg/L			03/31/23 12:29	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	280		4.00	4.00	mg/L			03/31/23 12:29	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/31/23 12:29	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/31/23 12:29	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			03/31/23 12:29	1
Ferrous Iron (SM 3500 FE D)	0.230	HF	0.0500	0.0280	mg/L			04/03/23 11:34	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		fluoroethane					
Lab Sample ID	Client Sample ID	(70-130)					
880-26441-1	MW-23	111					
LCS 860-96718/8	Lab Control Sample	110					
LCSD 860-96718/9	Lab Control Sample Dup	109					
MB 860-96718/5	Method Blank	112					
Surrogate Legend							
Trifluoroethane = Trifluoroethane							

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-96718/5

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/31/23 09:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	112		70 - 130					03/31/23 09:56	1

Lab Sample ID: LCS 860-96718/8

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane	19.9	15.71		ug/L		79	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Trifluoroethane	110		70 - 130						

Lab Sample ID: LCSD 860-96718/9

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.9	18.57		ug/L		93	70 - 130	17	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluoroethane	109		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49776/3

Matrix: Water

Analysis Batch: 49776

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0367	U	0.100	0.0367	mg/L			03/28/23 21:37	1

Lab Sample ID: LCS 880-49776/4

Matrix: Water

Analysis Batch: 49776

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	5.00	4.814		mg/L		96	90 - 110		

Lab Sample ID: LCSD 880-49776/5

Matrix: Water

Analysis Batch: 49776

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	5.00	4.833		mg/L		97	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-26465-A-1 MS

Matrix: Water

Analysis Batch: 49776

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	1.40	F1	5.00	6.977	F1	mg/L		112	90 - 110

Lab Sample ID: 880-26465-A-1 MSD

Matrix: Water

Analysis Batch: 49776

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	1.40	F1	5.00	6.985	F1	mg/L		112	90 - 110	0	20

Lab Sample ID: MB 860-97911/3

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			04/09/23 16:28	1

Lab Sample ID: MB 860-97911/38

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			04/09/23 20:30	1

Lab Sample ID: LCS 860-97911/39

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	10.17		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-97911/40

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	10.06		mg/L		101	90 - 110	1	20

Lab Sample ID: LLCS 860-97911/7

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.500	0.6057		mg/L		121	50 - 150

Lab Sample ID: 860-45761-B-1 MS

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.307	J	10.0	10.58		mg/L		103	90 - 110

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 860-45761-B-1 MSD

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	0.307	J	10.0	10.56		mg/L		102	90 - 110	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-96716/1-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000224	U	0.00200	0.000224	mg/L		03/31/23 10:00	03/31/23 15:11	1

Lab Sample ID: LCS 860-96716/2-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.100	0.1042		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-96716/3-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.100	0.1039		mg/L		104	80 - 120	0	20

Lab Sample ID: 880-26503-A-4-E MS

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.00144	J	0.100	0.09699		mg/L		96	75 - 125

Lab Sample ID: 880-26503-A-4-F MSD

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.00144	J	0.100	0.09726		mg/L		96	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-96833/3

Matrix: Water

Analysis Batch: 96833

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			03/31/23 11:29	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/31/23 11:29	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/31/23 11:29	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			03/31/23 11:29	1

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-96833/3

Matrix: Water

Analysis Batch: 96833

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			03/31/23 11:29	1

Lab Sample ID: LCS 860-96833/4

Matrix: Water

Analysis Batch: 96833

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	249.8		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-96833/5

Matrix: Water

Analysis Batch: 96833

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	241.6		mg/L		97	85 - 115	3	20

Lab Sample ID: 820-7915-A-1 DU

Matrix: Water

Analysis Batch: 96833

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	271		275.7		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	271		275.7		mg/L		2	20
Carbonate Alkalinity as CaCO3	<4.00	U	<4.00	U	mg/L		NC	20
Hydroxide Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20
Phenolphthalein Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 860-96983/3

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			04/03/23 11:34	1

Lab Sample ID: LCS 860-96983/4

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125

Lab Sample ID: LCSD 860-96983/5

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125	0	25

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 880-26441-1 DU						Client Sample ID: MW-23				
Matrix: Water						Prep Type: Total/NA				
Analysis Batch: 96983										
Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D		RPD	Limit
Ferrous Iron	0.230	HF		0.2400		mg/L			4	25

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

GC VOA

Analysis Batch: 96718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	RSK-175	
MB 860-96718/5	Method Blank	Total/NA	Water	RSK-175	
LCS 860-96718/8	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-96718/9	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 49776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	300.0	
MB 880-49776/3	Method Blank	Total/NA	Water	300.0	
LCS 880-49776/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-49776/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-26465-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-26465-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 97911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	300.0	
MB 860-97911/3	Method Blank	Total/NA	Water	300.0	
MB 860-97911/38	Method Blank	Total/NA	Water	300.0	
LCS 860-97911/39	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-97911/40	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-97911/7	Lab Control Sample	Total/NA	Water	300.0	
860-45761-B-1 MS	Matrix Spike	Total/NA	Water	300.0	
860-45761-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 96716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	3010A	
MB 860-96716/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-96716/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-96716/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-26503-A-4-E MS	Matrix Spike	Total/NA	Water	3010A	
880-26503-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 96975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	6020A	96716
MB 860-96716/1-A	Method Blank	Total/NA	Water	6020A	96716
LCS 860-96716/2-A	Lab Control Sample	Total/NA	Water	6020A	96716
LCSD 860-96716/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	96716
880-26503-A-4-E MS	Matrix Spike	Total/NA	Water	6020A	96716
880-26503-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	96716

General Chemistry

Analysis Batch: 96833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	SM 2320B	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 96833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-96833/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-96833/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-96833/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
820-7915-A-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 96983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26441-1	MW-23	Total/NA	Water	SM 3500 FE D	
MB 860-96983/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-96983/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-96983/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
880-26441-1 DU	MW-23	Total/NA	Water	SM 3500 FE D	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Client Sample ID: MW-23

Date Collected: 03/27/23 10:05

Date Received: 03/27/23 11:37

Lab Sample ID: 880-26441-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	96718	03/31/23 13:33	CZT	EET HOU
Total/NA	Analysis	300.0		1			97911	04/09/23 22:21	A1S	EET HOU
Total/NA	Analysis	300.0		1	10 mL	10 mL	49776	03/28/23 22:28	SMC	EET MID
Total/NA	Prep	3010A			50 mL	50 mL	96716	03/31/23 10:00	MD	EET HOU
Total/NA	Analysis	6020A		1			96975	03/31/23 15:52	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			96833	03/31/23 12:29	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	96983	04/03/23 11:34	SCI	EET HOU

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Nitrate as N

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 3500 FE D		Water	Ferrous Iron

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
RSK-175	Dissolved Gases (GC)	RSK	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
6020A	Metals (ICP/MS)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 3500 FE D	Iron, Ferrous and Ferric	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU

Protocol References:

- EPA = US Environmental Protection Agency
- RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26441-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26441-1	MW-23	Water	03/27/23 10:05	03/27/23 11:37

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

A



000-20441 Chain of Custody

www.xenco.com Page 1 or 1

Work Order Comments				
Program:	UST/PST ☐	RRP ☐	Brownfields ☐	RRC ☐ Superfund ☐
State of Project:				
Reporting	Level II ☐	Level III ☐	PST/UST ☐	TRRP ☐ Level IV ☐
Deliverables	EDD ☐	Adapt ☐	Other: _____	

[illegible]

Total 2007 / 6010	2008 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010	8RCRA	5b	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U						Hg	1631 / 245	1 / 7470	7471				

Notices: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3-27-23 11:37			
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Eurofins Midland

1211 W Florida Ave
Midland TX 79701
Phone: 432-704-5440

Chain of Custody Record



Bus. Sci. Technol.

Client Information (Sub Contract Lab)				Carrier Tracking No(s): 880-6636.1 Page: 1 of 1	
Client Contact: Shipping/Receiving Company: Eurofins Environment Testing South Centr				State of Origin: New Mexico Job #: 880-26441.1	
Address: 14145 Greenbriar Dr City: Stafford State, Zip: TX, 77477 Phone: 281-240-4200(Tel) Email: 				Accredited/Required (See note) NELAP Texas	
Due Date Requested: 4/3/2023 TAT Requested (days): 				Analysis Requested A HCL M Hexane B NaOH N None C AsNaO2 O AsNaO2 D Nitric Acid P Na2SO4 E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecylhydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-S L EDA Y Trizma Z other (specify) Other	
Project Name: Jobbs Junction Mainline (HJM) Site: 				Preservation Codes: A HCL M Hexane B NaOH N None C AsNaO2 O AsNaO2 D Nitric Acid P Na2SO4 E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecylhydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-S L EDA Y Trizma Z other (specify) Other	
Sample Identification Client ID (Lab ID) WW-23 (880-26441.1)				Special Instructions/Note: 	
Sample Date: 3/27/23 Sample Time: 10:05 Mountain Matrix (W=Water, S=Soil, O=Other) Water				Total Number of Containers: 5	
Sample Type (C=Comp, G=Grab) 				Perform MS/MSD (Yes or No) ☒ Yes Field Filtered Sample (Yes or No) ☒ Yes 300 ORGM, 20DI Sulfate ☒ Yes 3500 FE, DI Ferrous Iron ☒ Yes 2320B Alkalinity ☒ Yes 6020A/3010A (MOD) Manganese ☒ Yes RSK, 175/ (MOD) Local Method ☒ Yes	
Primary Deliverable Rank: 2				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months	
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV Other (specify)				Special Instructions/QC Requirements:	
Empty Kit Relinquished by: FedEX Relinquished by: Relinquished by: Relinquished by: 				Method of Shipment: FedEX Date/Time: 3/30/2023 9:00 Date/Time: Date/Time: 	
Custody Seals Intact: 				Cooler Temperature(s) °C and Other Remarks: 	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26441-1

SDG Number: Lea County

Login Number: 26441

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26441-1

SDG Number: Lea County

Login Number: 26441

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 03/30/23 11:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

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JOB DESCRIPTION

Hobbs Junction Mainline (HJM)
SDG NUMBER Lea County

JOB NUMBER

880-26518-1

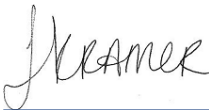
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Laboratory Job ID: 880-26518-1
SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Job ID: 880-26518-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-26518-1

Receipt

The sample was received on 3/28/2023 11:36 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFMS: The Nitrate as N matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-49892 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.The associated samples are: MW-24 (880-26518-1), (880-26540-A-1), (880-26540-A-1 MS) and (880-26540-A-1 MSD).

Method 300_ORGFMS: The Nitrite as N matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-49892 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.MW-24 (880-26518-1), (880-26540-A-1), (880-26540-A-1 MS) and (880-26540-A-1 MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Client Sample ID: MW-24

Lab Sample ID: 880-26518-1

Date Collected: 03/28/23 10:15

Matrix: Water

Date Received: 03/28/23 11:36

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/31/23 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluoroethane	109		70 - 130		03/31/23 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.07		0.100	0.0367	mg/L			03/29/23 20:03	1
Sulfate	105		0.500	0.109	mg/L			04/10/23 03:39	1

Method: SW846 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00669		0.00200	0.000224	mg/L		03/31/23 10:00	03/31/23 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	231		4.00	4.00	mg/L			04/03/23 12:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	231		4.00	4.00	mg/L			04/03/23 12:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			04/03/23 12:46	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			04/03/23 12:46	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			04/03/23 12:46	1
Ferrous Iron (SM 3500 FE D)	0.0800	HF	0.0500	0.0280	mg/L			04/03/23 11:34	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)
Matrix: Water

Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	fluoroethar (70-130)						
880-26518-1	MW-24	109						
LCS 860-96718/8	Lab Control Sample	110						
LCSD 860-96718/9	Lab Control Sample Dup	109						
MB 860-96718/5	Method Blank	112						
Surrogate Legend								
Trifluoroethane = Trifluoroethane								

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-96718/5

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/31/23 09:56	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	112		70 - 130					03/31/23 09:56	1

Lab Sample ID: LCS 860-96718/8

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methane	19.9	15.71		ug/L		79	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
Trifluoroethane	110		70 - 130						

Lab Sample ID: LCSD 860-96718/9

Matrix: Water

Analysis Batch: 96718

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.9	18.57		ug/L		93	70 - 130	17	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Trifluoroethane	109		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49892/3

Matrix: Water

Analysis Batch: 49892

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0367	U	0.100	0.0367	mg/L			03/29/23 18:53	1

Lab Sample ID: LCS 880-49892/4

Matrix: Water

Analysis Batch: 49892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate as N	5.00	4.724		mg/L		94	90 - 110		

Lab Sample ID: LCSD 880-49892/5

Matrix: Water

Analysis Batch: 49892

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	5.00	4.750		mg/L		95	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-26540-A-1 MS

Matrix: Water

Analysis Batch: 49892

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	<0.0367	U F1	5.00	5.570	F1	mg/L		111	90 - 110

Lab Sample ID: 880-26540-A-1 MSD

Matrix: Water

Analysis Batch: 49892

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	<0.0367	U F1	5.00	5.548	F1	mg/L		111	90 - 110	0	20

Lab Sample ID: MB 860-97911/3

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			04/09/23 16:28	1

Lab Sample ID: MB 860-97911/71

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			04/10/23 00:18	1

Lab Sample ID: LCS 860-97911/72

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.939		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-97911/73

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	9.998		mg/L		100	90 - 110	1	20

Lab Sample ID: LLCS 860-97911/7

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	0.500	0.6057		mg/L		121	50 - 150

Lab Sample ID: 880-26444-B-3 MS

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	42.2		10.0	52.99	4	mg/L		108	90 - 110

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-26444-B-3 MSD

Matrix: Water

Analysis Batch: 97911

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	42.2		10.0	52.88	4	mg/L		107	90 - 110	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-96716/1-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000224	U	0.00200	0.000224	mg/L		03/31/23 10:00	03/31/23 15:11	1

Lab Sample ID: LCS 860-96716/2-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.100	0.1042		mg/L		104	80 - 120

Lab Sample ID: LCSD 860-96716/3-A

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.100	0.1039		mg/L		104	80 - 120	0	20

Lab Sample ID: 880-26503-A-4-E MS

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.00144	J	0.100	0.09699		mg/L		96	75 - 125

Lab Sample ID: 880-26503-A-4-F MSD

Matrix: Water

Analysis Batch: 96975

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Manganese	0.00144	J	0.100	0.09726		mg/L		96	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-97058/3

Matrix: Water

Analysis Batch: 97058

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			04/03/23 11:27	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			04/03/23 11:27	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			04/03/23 11:27	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			04/03/23 11:27	1

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-97058/3

Matrix: Water

Analysis Batch: 97058

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			04/03/23 11:27	1

Lab Sample ID: LCS 860-97058/4

Matrix: Water

Analysis Batch: 97058

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	249.5		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-97058/5

Matrix: Water

Analysis Batch: 97058

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	250.7		mg/L		100	85 - 115	0	20

Lab Sample ID: 860-45878-B-1 DU

Matrix: Water

Analysis Batch: 97058

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	270		276.7		mg/L		2	20
Bicarbonate Alkalinity as CaCO3	270		276.7		mg/L		2	20
Carbonate Alkalinity as CaCO3	<4.00	U	<4.00	U	mg/L		NC	20
Hydroxide Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20
Phenolphthalein Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20

Method: SM 3500 FE D - Iron, Ferrous and Ferric

Lab Sample ID: MB 860-96983/3

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			04/03/23 11:34	1

Lab Sample ID: LCS 860-96983/4

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125

Lab Sample ID: LCSD 860-96983/5

Matrix: Water

Analysis Batch: 96983

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ferrous Iron	1.00	0.9200		mg/L		92	75 - 125	0	25

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method: SM 3500 FE D - Iron, Ferrous and Ferric (Continued)

Lab Sample ID: 880-26441-F-1 DU					Client Sample ID: Duplicate				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 96983									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
Ferrous Iron	0.230		0.2400		mg/L		4	25	

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

GC VOA

Analysis Batch: 96718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	RSK-175	
MB 860-96718/5	Method Blank	Total/NA	Water	RSK-175	
LCS 860-96718/8	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-96718/9	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 49892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	300.0	
MB 880-49892/3	Method Blank	Total/NA	Water	300.0	
LCS 880-49892/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-49892/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-26540-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-26540-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 97911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	300.0	
MB 860-97911/3	Method Blank	Total/NA	Water	300.0	
MB 860-97911/71	Method Blank	Total/NA	Water	300.0	
LCS 860-97911/72	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-97911/73	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-97911/7	Lab Control Sample	Total/NA	Water	300.0	
880-26444-B-3 MS	Matrix Spike	Total/NA	Water	300.0	
880-26444-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 96716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	3010A	
MB 860-96716/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-96716/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-96716/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-26503-A-4-E MS	Matrix Spike	Total/NA	Water	3010A	
880-26503-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 96975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	6020A	96716
MB 860-96716/1-A	Method Blank	Total/NA	Water	6020A	96716
LCS 860-96716/2-A	Lab Control Sample	Total/NA	Water	6020A	96716
LCSD 860-96716/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	96716
880-26503-A-4-E MS	Matrix Spike	Total/NA	Water	6020A	96716
880-26503-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	96716

General Chemistry

Analysis Batch: 96983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	SM 3500 FE D	

Eurofins Midland

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 96983 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-96983/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-96983/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-96983/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
880-26441-F-1 DU	Duplicate	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 97058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26518-1	MW-24	Total/NA	Water	SM 2320B	
MB 860-97058/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-97058/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-97058/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
860-45878-B-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Client Sample ID: MW-24

Date Collected: 03/28/23 10:15

Date Received: 03/28/23 11:36

Lab Sample ID: 880-26518-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	96718	03/31/23 14:59	CZT	EET HOU
Total/NA	Analysis	300.0		1			97911	04/10/23 03:39	A1S	EET HOU
Total/NA	Analysis	300.0		1	10 mL	10 mL	49892	03/29/23 20:03	SMC	EET MID
Total/NA	Prep	3010A			50 mL	50 mL	96716	03/31/23 10:00	MD	EET HOU
Total/NA	Analysis	6020A		1			96975	03/31/23 15:49	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			97058	04/03/23 12:46	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	96983	04/03/23 11:34	SCI	EET HOU

Laboratory References:
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Nitrate as N

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity
SM 2320B		Water	Phenolphthalein Alkalinity
SM 3500 FE D		Water	Ferrous Iron

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
RSK-175	Dissolved Gases (GC)	RSK	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
6020A	Metals (ICP/MS)	SW846	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 3500 FE D	Iron, Ferrous and Ferric	SM	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU

Protocol References:

- EPA = US Environmental Protection Agency
- RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab
- SM = "Standard Methods For The Examination Of Water And Wastewater"
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-26518-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26518-1	MW-24	Water	03/28/23 10:15	03/28/23 11:36

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody

Houston, TX (281) 240-4200, Dallas TX (214) 902-0300
Midland TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199



Environment Testing
Xenco

Work Order No: 26518

www.xenco.com Page 1 of 1

Project Manager: David Adkins		Bill to: (if different)		Plains All American Pipeline	
Company Name: Talon LPE		Company Name:		Attn: Luville Bryant	
Address: 408 Texas St.		Address:			
City, State ZIP: Artesia, NM 88210		City, State ZIP:		SRS # 2003-00017	
Phone: 575 441-4835		Email: dadkins@talonlpe.com, mgomez@talonlpe.com			

Project Name: Hobbs Junction Mainline (PSM)		Turn Around		ANALYSIS REQUEST	
Project Number:		☒ Routine ☐ Rush			
Project Location: Lea County, NM		Due Date:			
Sampler's Name: M. Gomez, N. Rose		TAT starts the day received by the lab, if received by 4:30pm			
PO #: SRS # 2003-00017					

SAMPLE RECEIPT		Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Samples Received Intact:	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	(Yes) No	
Cooler Custody Seals:	Yes No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Sample Custody Seals:	Yes No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total Containers:													

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
MW-24	62	3/28/23	10:15	N/A		5	MNA Parameters			None NO	Email Analyticals to CJ Bryant @ paalp.com
										Cool Cool	Maolhea @ paalp.com
										HCL HC	
										H ₂ SO ₄ H ₂	
										H ₃ PO ₄ HP	
										NaHSO ₄ NABIS	
										Na ₂ S ₂ O ₃ NaSO ₃	
										Zn Acetate+NaOH Zn	
										NaOH+Ascorbic Acid SAPC	

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Relinquished by (Signature)	Received by (Signature)	Date/Time	Date/Time
				3/28/23 11:36	

Revised Date: 08/25/2020 Rev. 2020.2

1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

 eurofins

Environmental Testing

Client Information (Sub Contract Lab)				Lab PM: Kramer Jessica E-Mail: Jessica.Kramer@eurofins.com		Carrier Tracking No(s): 880-6649.1 State of Origin: New Mexico		COC No: 880-6649.1 Page: Page 1 of 1	
Company: Eurofins Environment Testing South Centr Address: 41145 Greenbriar Dr City: Stafford State: TX Zip: 77477 Phone: 281-240-4200(Tel) Email: 				Project Name: Hobbs Junction Mainline (HJM) Project #: 89000087 SSOW#: 		Job #: 880-26518-1 Preservation Codes: A HCL M Hexane B NaOH N None C Zn Acetate O ASNO2 D Nitric Acid P Na2OAS E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Anchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Y Trizma Z other (specify) Other-		COC No: 880-6649.1 Page: Page 1 of 1	
Due Date Requested: 4/3/2023 TAT Requested (days): PO #: WO #: Project #: 89000087 SSOW#: 				Analysis Requested 300 ORGM_28D Sulfate 3500 FE DI Ferrous Iron 2320B Alkalinity 6020A/3010A (MOD) Manganese RSK_175 (MOD) Local Method		Total Number of Containers: 5		Special Instructions/Note:	
Sample Identification Client ID (Lab ID) MMW-24 (880-26518-1)				Sample Date 3/28/23		Sample Time 10:15 Mountain		Matrix (Water Sample) Water	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample Date 3/28/23				Sample Time 10:15 Mountain		Matrix (Water Sample) Water		Field Filtered Sample (Yes or No) 	
Sample Type (C=Comp, G=grab) 				Preservation Code 		Field Filtered Sample (Yes or No) 		Perform MS/MSD (Yes or No) 	
Sample									

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26518-1

SDG Number: Lea County

Login Number: 26518

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26518-1

SDG Number: Lea County

Login Number: 26518

List Number: 2

Creator: Pena, Jesiel

List Source: Eurofins Houston

List Creation: 03/30/23 04:51 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Generated 4/10/2023 9:54:58 AM

JOB DESCRIPTION

Hobbs Junction Mainline
SDG NUMBER Lea County NM

JOB NUMBER

880-26519-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
4/10/2023 9:54:58 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Laboratory Job ID: 880-26519-1
SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Job ID: 880-26519-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-26519-1

Receipt

The sample was received on 3/28/2023 11:36 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Client Sample ID: MW-24
Date Collected: 03/28/23 10:15
Date Received: 03/28/23 11:36

Lab Sample ID: 880-26519-1
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/07/23 16:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/07/23 16:36	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/07/23 16:36	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/07/23 16:36	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/07/23 16:36	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/07/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130					04/07/23 16:36	1
1,4-Difluorobenzene (Surr)	107		70 - 130					04/07/23 16:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			04/10/23 10:29	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-26519-1	MW-24	101	107
880-26519-1 MS	MW-24	101	111
880-26519-1 MSD	MW-24	104	115
LCS 880-50621/3	Lab Control Sample	96	109
LCSD 880-50621/4	Lab Control Sample Dup	98	110
MB 880-50621/8	Method Blank	91	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50621/8

Matrix: Water

Analysis Batch: 50621

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			04/07/23 15:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			04/07/23 15:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			04/07/23 15:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			04/07/23 15:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			04/07/23 15:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			04/07/23 15:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		04/07/23 15:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130		04/07/23 15:47	1

Lab Sample ID: LCS 880-50621/3

Matrix: Water

Analysis Batch: 50621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09559		mg/L		96	70 - 130
Toluene	0.100	0.09343		mg/L		93	70 - 130
Ethylbenzene	0.100	0.08575		mg/L		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1696		mg/L		85	70 - 130
o-Xylene	0.100	0.08486		mg/L		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-50621/4

Matrix: Water

Analysis Batch: 50621

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1092		mg/L		109	70 - 130	13	20
Toluene	0.100	0.1064		mg/L		106	70 - 130	13	20
Ethylbenzene	0.100	0.09697		mg/L		97	70 - 130	12	20
m-Xylene & p-Xylene	0.200	0.1921		mg/L		96	70 - 130	12	20
o-Xylene	0.100	0.09566		mg/L		96	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-26519-1 MS

Matrix: Water

Analysis Batch: 50621

Client Sample ID: MW-24

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000408	U	0.100	0.1092		mg/L		109	70 - 130
Toluene	<0.000367	U	0.100	0.1059		mg/L		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-26519-1 MS
Matrix: Water
Analysis Batch: 50621

Client Sample ID: MW-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000657	U	0.100	0.09790		mg/L		98	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1949		mg/L		97	70 - 130
o-Xylene	<0.000642	U	0.100	0.09685		mg/L		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: 880-26519-1 MSD
Matrix: Water
Analysis Batch: 50621

Client Sample ID: MW-24
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.1158		mg/L		116	70 - 130	6	25
Toluene	<0.000367	U	0.100	0.1125		mg/L		112	70 - 130	6	25
Ethylbenzene	<0.000657	U	0.100	0.1038		mg/L		104	70 - 130	6	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2058		mg/L		103	70 - 130	5	25
o-Xylene	<0.000642	U	0.100	0.1031		mg/L		103	70 - 130	6	25
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

GC VOA

Analysis Batch: 50621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26519-1	MW-24	Total/NA	Water	8021B	
MB 880-50621/8	Method Blank	Total/NA	Water	8021B	
LCS 880-50621/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-50621/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-26519-1 MS	MW-24	Total/NA	Water	8021B	
880-26519-1 MSD	MW-24	Total/NA	Water	8021B	

Analysis Batch: 50800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26519-1	MW-24	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Client Sample ID: MW-24
Date Collected: 03/28/23 10:15
Date Received: 03/28/23 11:36

Lab Sample ID: 880-26519-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	50621	04/07/23 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50800	04/10/23 10:29	SM	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

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Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5030B	Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline

Job ID: 880-26519-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26519-1	MW-24	Water	03/28/23 10:15	03/28/23 11:36

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392 7550, Carlsbad, NM (575) 988-3199



Environment Testing
Xenco

Work Order No: 26519

www.xenco.com Page 1 of 1

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/JUST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Manager: David Adkins

Company Name: Talon LPE

Address: 408 Texas St.

City, State ZIP: Artesia, NM 88210

Phone: 575-441-4835

Bill to: (if different)

Company Name: Plains All American Pipeline

Address: Attn: Lamille Bryant

City, State ZIP: SRS # 7003-08017

Email: daddkins@talonlpe.com, mgomez@talonlpe.com

Project Name: Hobbs Junction Pipeline

Project Number:

Project Location: Lea County, NM

Sampler's Name: M Gomez, N Rose

PO #: SRS # 7003-08017

SAMPLE RECEIPT

Samples Received Intact: Yes No ☒ Yes No ☒

Cooler Custody Seals: Yes No ☒ N/A

Sample Custody Seals: Yes No ☒ N/A

Total Containers: 1

Turn Around: ☒ Routine ☐ Rush

Due Date: TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No ☒ No

Temp Blank: Yes No ☒ No

Thermometer ID: 10007

Correction Factor: -0.2

Temperature Reading: 1.0

Corrected Temperature: 1.0

Parameters

Pres. Code

Analyses Request

Preservative Codes

None NO DI Water H₂O

Cool Cool MeOH Me

HCL HC HNO₃ HN

H₂SO₄ H₂ NaOH Na

H₃PO₄ HP

NaHSO₄ NABIS

Na₂S₂O₃ NaSO₃

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid. SAPC

Sample Comments

Email: Analysts to CS Bryant @ paalp.com Maarcha @ paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature) Received by (Signature) Date/Time

1

3

5

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-26519-1

SDG Number: Lea County NM

Login Number: 26519

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

**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: WEST OF HOBBS, NM

Lab Order Number: 3F22017



Current Certification

Report Date: 07/17/23

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	3F22017-01	Water	06/21/23 11:42	06-22-2023 12:40
MW 24	3F22017-02	Water	06/21/23 10:35	06-22-2023 12:40
MW 28	3F22017-03	Water	06/21/23 09:10	06-22-2023 12:40
MW 33	3F22017-04	Water	06/21/23 09:30	06-22-2023 12:40
MW 7	3F22017-05	Water	06/21/23 09:47	06-22-2023 12:40
MW 23	3F22017-06	Water	06/21/23 09:45	06-22-2023 12:40
MW 32	3F22017-07	Water	06/21/23 12:42	06-22-2023 12:40
MW 22	3F22017-08	Water	06/21/23 12:23	06-22-2023 12:40
MW 31	3F22017-09	Water	06/21/23 12:08	06-22-2023 12:40
MW 18	3F22017-10	Water	06/21/23 11:48	06-22-2023 12:40
MW 30	3F22017-11	Water	06/21/23 10:42	06-22-2023 12:40
MW 16	3F22017-12	Water	06/21/23 11:19	06-22-2023 12:40
MW 25	3F22017-13	Water	06/21/23 07:50	06-22-2023 12:40

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

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

MW 21
3F22017-01 (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

Ethane	ND	0.00100	mg/L	1	P3G1407	06/29/23 11:51	06/29/23 11:51	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3G1407	06/29/23 11:51	06/29/23 11:51	8015M	SUB-13
Methane	ND	0.00250	mg/L	1	P3G1407	06/29/23 11:51	06/29/23 11:51	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	260	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Nitrate as N	0.365	0.200	mg/L	1	P3F2204	06/22/23 07:00	06/29/23 20:39	EPA 300.0	
Sulfate	58.6	5.00	mg/L	5	P3F2204	06/22/23 07:00	06/29/23 16:33	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.451	0.200	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:39	EPA 6020A	SUB-13
Manganese	0.0378	0.00500	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:39	EPA 6020A	SUB-13

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 19:00	07/03/23 19:00	EPA 8260B	SUB-16

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 24
3F22017-02 (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

Ethane	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:00	06/29/23 12:00	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:00	06/29/23 12:00	8015M	SUB-13
Methane	0.000503	0.000500	mg/L	1	P3G1407	06/29/23 12:00	06/29/23 12:00	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	280	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Nitrate as N	2.46	0.200	mg/L	1	P3F2204	06/22/23 07:00	06/29/23 21:00	EPA 300.0	
Sulfate	98.7	5.00	mg/L	5	P3F2204	06/22/23 07:00	06/29/23 16:53	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:41	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:41	EPA 6020A	SUB-13

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 15:45	07/03/23 15:45	EPA 8260B	SUB-16

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
3F22017-03 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 16:12	07/03/23 16:12	EPA 8260B	SUB-16

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

3F22017-04 (Water)

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

Volatile Organic Compounds by EPA Method 8260B									
Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 16:38	07/03/23 16:38	EPA 8260B	SUB-16

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
3F22017-05 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:05	07/03/23 17:05	EPA 8260B	SUB-16

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
3F22017-06 (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

Ethane	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:17	06/29/23 12:17	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:17	06/29/23 12:17	8015M	SUB-13
Methane	0.000863	0.000500	mg/L	1	P3G1407	06/29/23 12:17	06/29/23 12:17	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	330	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Nitrate as N	1.94	0.200	mg/L	1	P3F2204	06/22/23 07:00	06/29/23 21:41	EPA 300.0	
Sulfate	107	10.0	mg/L	10	P3F2204	06/22/23 07:00	06/29/23 17:34	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:43	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:43	EPA 6020A	SUB-13

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:31	07/03/23 17:31	EPA 8260B	SUB-16

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
3F22017-07 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 17:57	07/03/23 17:57	EPA 8260B	SUB-16

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
3F22017-08 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 18:24	07/03/23 18:24	EPA 8260B	SUB-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 31
3F22017-09 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 18:50	07/03/23 18:50	EPA 8260B	SUB-16

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 18
3F22017-10 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16
Ethylbenzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 19:16	07/03/23 19:16	EPA 8260B	SUB-16

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 30
3F22017-11 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	0.0661	0.00500	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16
Ethylbenzene	0.0215	0.00500	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16
m,p-Xylene	0.0177	0.00500	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16
Xylenes, total (v/v)	0.0302	0.0250	mg/L	5	P3G1406	07/03/23 19:42	07/03/23 19:42	EPA 8260B	SUB-16

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 16
3F22017-12 (Water)

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

Volatile Organic Compounds by EPA Method 8260B

Benzene	ND	0.00500	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16
Ethylbenzene	0.0168	0.00500	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 20:08	07/03/23 20:08	EPA 8260B	SUB-16

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 25
3F22017-13 (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

Ethane	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:56	06/29/23 12:56	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3G1407	06/29/23 12:56	06/29/23 12:56	8015M	SUB-13
Methane	1.14	0.00250	mg/L	1	P3G1407	06/29/23 12:56	06/29/23 12:56	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	440	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3F2203	06/23/23 10:00	06/23/23 10:00	EPA 310.1M	
Nitrate as N	ND	0.200	mg/L	1	P3F2204	06/22/23 07:00	06/29/23 21:20	EPA 300.0	
Sulfate	58.0	10.0	mg/L	10	P3F2204	06/22/23 07:00	06/29/23 17:14	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.643	0.200	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:45	EPA 6020A	SUB-13
Manganese	0.0401	0.00500	mg/L	1	P3G1407	06/30/23 10:00	07/03/23 20:45	EPA 6020A	SUB-13

Volatile Organic Compounds by EPA Method 8260B

Benzene	0.0123	0.00500	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16
Ethylbenzene	0.00657	0.00500	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16
m,p-Xylene	ND	0.00500	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16
o-Xylene	ND	0.0250	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16
Toluene	ND	0.00500	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16
Xylenes, total (v/v)	ND	0.0250	mg/L	5	P3G1406	07/03/23 20:34	07/03/23 20:34	EPA 8260B	SUB-16

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

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 P3F2203 - *** DEFAULT PREP ***

Blank (P3F2203-BLK1)	Prepared & Analyzed: 06/23/23									
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Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P3F2203-BS1)	Prepared: 06/23/23 Analyzed: 06/26/23									
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Total Alkalinity	253		mg/L	250		101	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	ND	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

LCS Dup (P3F2203-BSD1)	Prepared & Analyzed: 06/23/23									
------------------------	-------------------------------	--	--	--	--	--	--	--	--	--

Total Alkalinity	0.00		mg/L	250			80-120	200	20	
Carbonate Alkalinity	ND	10.0	"				80-120		20	
Bicarbonate Alkalinity	ND	10.0	"				80-120		20	
Hydroxide Alkalinity	ND	10.0	"				80-120		20	

Duplicate (P3F2203-DUP1)	Source: 3F12013-01		Prepared: 06/23/23 Analyzed: 06/26/23							
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Total Alkalinity	143	10.0	mg/L		143			0.00	20	
Carbonate Alkalinity	ND	10.0	"						20	
Bicarbonate Alkalinity	ND	10.0	"						20	
Hydroxide Alkalinity	ND	10.0	"						20	

Batch P3F2204 - *** DEFAULT PREP ***

Blank (P3F2204-BLK1)	Prepared: 06/22/23 Analyzed: 06/29/23									
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Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							

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

Project: HOBBS JUNCTION MAINLINE
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 P3F2204 - * DEFAULT PREP *****

LCS (P3F2204-BS1)

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	10.3		mg/L	10.0		103	90-110			
Sulfate	10.0		"	10.0		100	90-110			

LCS Dup (P3F2204-BSD1)

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	10.2		mg/L	10.0		102	90-110	0.283	10	
Sulfate	10.0		"	10.0		100	90-110	0.0800	10	

Calibration Check (P3F2204-CCV1)

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	10.2		mg/L	10.0		102	90-110			
Sulfate	10.0		"	10.0		100	90-110			

Calibration Check (P3F2204-CCV2)

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	10.3		mg/L	10.0		103	90-110			
Sulfate	10.2		"	10.0		102	90-110			

Matrix Spike (P3F2204-MS1)

Source: 3F21005-01

Prepared: 06/22/23 Analyzed: 06/29/23

Sulfate	18.8		mg/L	10.0	8.14	107	80-120			
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Matrix Spike (P3F2204-MS2)

Source: 3F21005-01

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	12.6		mg/L	10.0	2.12	105	80-120			
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Matrix Spike Dup (P3F2204-MSD1)

Source: 3F21005-01

Prepared: 06/22/23 Analyzed: 06/29/23

Sulfate	18.8		mg/L	10.0	8.14	106	80-120	0.239	20	
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Matrix Spike Dup (P3F2204-MSD2)

Source: 3F21005-01

Prepared: 06/22/23 Analyzed: 06/29/23

Nitrate as N	12.5		mg/L	10.0	2.12	104	80-120	0.358	20	
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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

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

SUB-16 Subcontract of analyte/analysis to Summit Environmental Technologies, Cuyahoga Falls, Ohio.

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.

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:

7/17/2023

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

PBBLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: DAVID ADKINSCompany Name: TALON LPECompany Address: 408 W. TEXAS STREETCity/State/Zip: ARTESIA, NMTelephone No: 575-441-4835Fax No: N/ASampler Signature: DAVID ADKINS e-mail: dadkins@talonlpe.comProject Name: HOBBS JUNCTION MAINLINEProject #: PAINS ALL AMERICAN PIPELINEProject Loc: W. OF HOBBSPO #: SRS # 2003-00017Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

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 80218/5030 or BTEX 8260

MNA

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

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

Special Instructions:

Relinquished by: DAVID ADKINS Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ 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 Lone Star

Temperature Upon Receipt: _____ °C Thermometer: _____

Adjusted: 5.3 % Factor: _____

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 8-21-21

CFI

Page 2 of 2

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)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers								Matrix		Fe Diss ICP 6010B	Mn DISS ICP 6010B	RSK SOP-175												24 HOUR	STANDARD	
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML Pe	Na ₂ S ₂ O ₃	NONE	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other																		
	3F22017-01			6/21/2023	11:42		4	X	X	X							W	X	X	X														
	3F22017-02			6/21/2023	10:35		4	X	X	X							W	X	X	X														
	3F22017-07			6/21/2023	12:42		4	X	X	X							W	X	X	X														
	3F22017-13			6/21/2023	7:50		4	X	X	X							W	X	X	X														

SPECIAL INSTRUCTIONS:

Relinquished by: Brent Barron

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

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 Sampler/Client Rep. ?

by Courier?

UPS

DHL

FedEx

Lone Star

Temperature Upon Receipt:

Received:

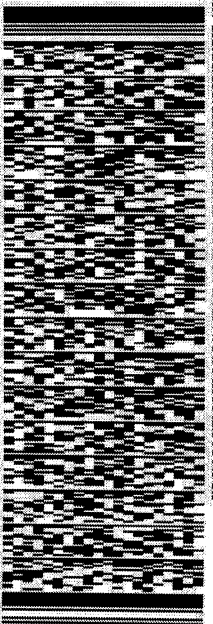
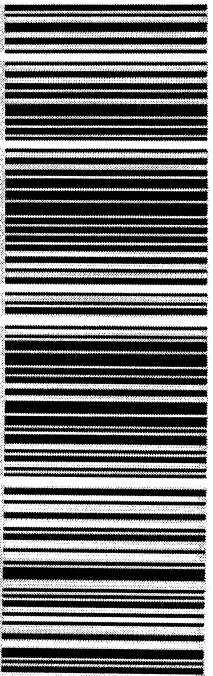
Adjusted:

°C

°C Factor

6/26/23, 4:47 PM

FedEx Ship Manager - Print Your Label(s)

ORIGIN ID: MAF A (432) 686-7235 BRENT BARRON PBE LAB 1400 RANKIN HWY		SHIP DATE: 26 JUN 23 ACTWGT: 50.00 LB CAD: 107136846INET 46:10	
MIDLAND, TX 79701 UNITED STATES US		BILL RECIPIENT	
TO SAMPLE RECEIVING			
ALS-HOUSTON			
10450 STANCLIFF RD			
HOUSTON TX 77099			
(281) 530-5615 REF: INV: PO: DEPT:		583J2/29ABFE2D	
			
			
TRK# 7725 6438 4162 0201		TUE - 27 JUN 4:30P STANDARD OVERNIGHT	
XA SGRA		TX-US IAH 77099	
			

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**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: 3I28006



Current Certification

Report Date: 10/02/23

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-7	3I28006-01	Water	09/26/23 08:42	09-27-2023 16:53
MW-31	3I28006-02	Water	09/26/23 08:56	09-27-2023 16:53
MW-33	3I28006-03	Water	09/26/23 09:29	09-27-2023 16:53
MW-32	3I28006-04	Water	09/26/23 09:32	09-27-2023 16:53
MW-22	3I28006-05	Water	09/26/23 09:55	09-27-2023 16:53
MW-28	3I28006-06	Water	09/26/23 10:00	09-27-2023 16:53
MW-30	3I28006-07	Water	09/26/23 12:17	09-27-2023 16:53
MW-25	3I28006-08	Water	09/27/23 09:15	09-27-2023 16:53
MW-21	3I28006-09	Water	09/27/23 10:48	09-27-2023 16:53
MW-23	3I28006-10	Water	09/27/23 12:19	09-27-2023 16:53
MW-24	3I28006-11	Water	09/27/23 13:26	09-27-2023 16:53

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
3128006-01 (Water)

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

BTEX by 8021B								
Total BTEX	0.000510	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Organics by GC								
Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B
Surrogate: 4-Bromofluorobenzene	95.4 %	80-120		P312809	09/28/23 14:38	09/29/23 16:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.1 %	80-120		P312809	09/28/23 14:38	09/29/23 16:31	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-31
3128006-02 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 16:55	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B
Surrogate: 4-Bromofluorobenzene	94.5 %	80-120		P312809	09/28/23 14:38	09/29/23 16:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.2 %	80-120		P312809	09/28/23 14:38	09/29/23 16:55	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
3128006-03 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 17:19	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B
Surrogate: 4-Bromofluorobenzene	97.9 %	80-120		P312809	09/28/23 14:38	09/29/23 17:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.7 %	80-120		P312809	09/28/23 14:38	09/29/23 17:19	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
3128006-04 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Organics by GC								
Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B
Surrogate: 4-Bromofluorobenzene	102 %	80-120		P312809	09/28/23 14:38	09/29/23 17:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %	80-120		P312809	09/28/23 14:38	09/29/23 17:42	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-22
3128006-05 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 18:52	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B
Surrogate: 4-Bromofluorobenzene	96.4 %	80-120		P312809	09/28/23 14:38	09/29/23 18:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.2 %	80-120		P312809	09/28/23 14:38	09/29/23 18:52	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
3128006-06 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 19:16	EPA 8021B

Organics by GC

Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B
Surrogate: 4-Bromofluorobenzene	95.7 %	80-120		P312809	09/28/23 14:38	09/29/23 19:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.9 %	80-120		P312809	09/28/23 14:38	09/29/23 19:16	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-30
3128006-07 (Water)

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

BTEX by 8021B

Total BTEX	0.0634	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Xylenes (total)	0.000600	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 19:39	EPA 8021B

Organics by GC

Benzene	0.0494	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Ethylbenzene	0.0133	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Surrogate: 4-Bromofluorobenzene	92.2 %	80-120			P312809	09/28/23 14:38	09/29/23 19:39	EPA 8021B
Surrogate: 1,4-Difluorobenzene	91.6 %	80-120			P312809	09/28/23 14:38	09/29/23 19:39	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

3128006-08 (Water)

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

BTEX by 8021B								
Total BTEX	0.00204	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 20:02	EPA 8021B

Organics by GC								
Benzene	0.00140	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Surrogate: 4-Bromofluorobenzene	92.4 %	80-120			P312809	09/28/23 14:38	09/29/23 20:02	EPA 8021B
Surrogate: 1,4-Difluorobenzene	91.3 %	80-120			P312809	09/28/23 14:38	09/29/23 20:02	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
3128006-09 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Organics by GC								
Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B
Surrogate: 4-Bromofluorobenzene	96.0 %	80-120		P312809	09/28/23 14:38	09/29/23 20:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.1 %	80-120		P312809	09/28/23 14:38	09/29/23 20:26	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-23
3128006-10 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Organics by GC								
Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B
Surrogate: 4-Bromofluorobenzene	99.4 %	80-120		P312809	09/28/23 14:38	09/29/23 20:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.3 %	80-120		P312809	09/28/23 14:38	09/29/23 20:49	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-24
3128006-11 (Water)

Analyte	Limit Result	Reporting 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]	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Organics by GC								
Benzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B
Surrogate: 4-Bromofluorobenzene	98.4 %	80-120		P312809	09/28/23 14:38	09/29/23 21:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.2 %	80-120		P312809	09/28/23 14:38	09/29/23 21:13	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
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Batch P3I2809 - * DEFAULT PREP *****

Blank (P3I2809-BLK1)

Prepared: 09/28/23 Analyzed: 09/29/23

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		94.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.4	80-120			

LCS (P3I2809-BS1)

Prepared: 09/28/23 Analyzed: 09/29/23

Benzene	0.0911	0.00100	mg/L	0.100		91.1	80-120			
Toluene	0.0878	0.00100	"	0.100		87.8	80-120			
Ethylbenzene	0.0900	0.00100	"	0.100		90.0	80-120			
Xylene (p/m)	0.174	0.00200	"	0.200		87.0	80-120			
Xylene (o)	0.0806	0.00100	"	0.100		80.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			

LCS Dup (P3I2809-BS1)

Prepared: 09/28/23 Analyzed: 09/29/23

Benzene	0.0929	0.00100	mg/L	0.100		92.9	80-120	1.94	20	
Toluene	0.0902	0.00100	"	0.100		90.2	80-120	2.73	20	
Ethylbenzene	0.0929	0.00100	"	0.100		92.9	80-120	3.19	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.5	80-120	2.87	20	
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120	0.448	20	
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Calibration Blank (P3I2809-CCB1)

Prepared: 09/28/23 Analyzed: 09/29/23

Benzene	0.210		ug/l							
Toluene	0.150		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.170		"							
Xylene (o)	0.300		"							
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.4	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	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 P3I2809 - *** DEFAULT PREP ***

Calibration Blank (P3I2809-CCB2)				Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.250		ug/l							
Toluene	0.180		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.200		"							
Xylene (o)	0.260		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.4	80-120			

Calibration Check (P3I2809-CCV1)				Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.0963	0.00100	"	0.100		96.3	80-120			
Ethylbenzene	0.0936	0.00100	"	0.100		93.6	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.0874	0.00100	"	0.100		87.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	80-120			

Calibration Check (P3I2809-CCV2)				Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.0963	0.00100	mg/L	0.100		96.3	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.0919	0.00100	"	0.100		91.9	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.1	80-120			
Xylene (o)	0.0914	0.00100	"	0.100		91.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			

Calibration Check (P3I2809-CCV3)				Prepared: 09/28/23 Analyzed: 09/29/23						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0950	0.00100	"	0.100		95.0	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.7	80-120			
Xylene (o)	0.0949	0.00100	"	0.100		94.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	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	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 P3I2809 - *** DEFAULT PREP ***

Matrix Spike (P3I2809-MS1)		Source: 3I28006-01			Prepared: 09/28/23		Analyzed: 09/29/23		
Benzene	0.0934	0.00100	mg/L	0.100	0.000510	92.9	80-120		
Toluene	0.0922	0.00100	"	0.100	ND	92.2	80-120		
Ethylbenzene	0.0929	0.00100	"	0.100	ND	92.9	80-120		
Xylene (p/m)	0.173	0.00200	"	0.200	ND	86.6	80-120		
Xylene (o)	0.0820	0.00100	"	0.100	ND	82.0	80-120		
Surrogate: 4-Bromofluorobenzene		0.112	"	0.120		93.3	80-120		
Surrogate: 1,4-Difluorobenzene		0.110	"	0.120		91.6	80-120		
Matrix Spike Dup (P3I2809-MSD1)		Source: 3I28006-01			Prepared: 09/28/23		Analyzed: 09/29/23		
Benzene	0.0935	0.00100	mg/L	0.100	0.000510	93.0	80-120	0.0538	20
Toluene	0.0946	0.00100	"	0.100	ND	94.6	80-120	2.51	20
Ethylbenzene	0.0923	0.00100	"	0.100	ND	92.3	80-120	0.616	20
Xylene (p/m)	0.173	0.00200	"	0.200	ND	86.6	80-120	0.0115	20
Xylene (o)	0.0841	0.00100	"	0.100	ND	84.1	80-120	2.44	20
Surrogate: 4-Bromofluorobenzene		0.122	"	0.120		102	80-120		
Surrogate: 1,4-Difluorobenzene		0.120	"	0.120		100	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

Notes and Definitions

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:

10/2/2023

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

PERMIAN BASIN ENVIRONMENTAL LAB, LP
1400 RANKIN HWY
MIDLAND, TEXAS 79701

$$\frac{L}{CH_2}$$

W: _____

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:

East of malling

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

Report Format: ☐ Standard

☐ TRRP☐ NPDES

PO #: SRS# 2003-00017

Project Loc: Lea County, NM

Project #: Plains All American Pipeline

Project Name: Hobbs Junction Mainline (HJM)

[illegible]

**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: 3I28007



Current Certification

Report Date: 10/29/23

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	3I28007-01	Water	09/27/23 09:15	09-27-2023 16:53
MW-21	3I28007-02	Water	09/27/23 10:48	09-27-2023 16:53
MW-23	3I28007-03	Water	09/27/23 12:19	09-27-2023 16:53
MW-24	3I28007-04	Water	09/27/23 13:26	09-27-2023 16:53

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-25
3128007-01 (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	P3J2705	10/27/23 16:02	10/05/23 07:54	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 07:54	8015M	SUB-13
Methane	0.625	0.00500	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 09:07	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	420	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Nitrate as N	0.419	0.200	mg/L	1	P3I2901	09/29/23 08:52	10/01/23 20:51	EPA 300.0	
Sulfate	52.6	10.0	mg/L	10	P3I2901	09/29/23 08:52	10/01/23 18:28	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:02	EPA 6020A	SUB-13
Manganese	0.0250	0.00500	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:02	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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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
3128007-02 (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	P3J2705	10/27/23 16:02	10/05/23 08:16	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 08:16	8015M	SUB-13
Methane	0.119	0.000500	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 09:30	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	250	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Nitrate as N	0.359	0.200	mg/L	1	P3I2901	09/29/23 08:52	10/01/23 21:53	EPA 300.0	
Sulfate	60.2	5.00	mg/L	5	P3I2901	09/29/23 08:52	10/01/23 19:29	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	0.254	0.200	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:04	EPA 6020A	SUB-13
Manganese	0.0385	0.0250	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:04	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
3128007-03 (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	P3J2705	10/27/23 16:02	10/05/23 08:41	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 08:41	8015M	SUB-13
Methane	0.000642	0.000500	mg/L	1	P3J2705	10/27/23 16:02	10/05/23 08:41	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	240	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Nitrate as N	1.74	0.200	mg/L	1	P3I2901	09/29/23 08:52	10/01/23 22:13	EPA 300.0	
Sulfate	104	10.0	mg/L	10	P3I2901	09/29/23 08:52	10/01/23 19:50	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:06	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:06	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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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
3128007-04 (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

Ethane	ND	0.000100	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 08:53	8015M	SUB-13
Ethene	ND	0.000100	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 08:53	8015M	SUB-13
Methane	0.000767	0.000500	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 08:53	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Total Alkalinity	220	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Carbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Bicarbonate Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Hydroxide Alkalinity	ND	10.0	mg/L	1	P3H3112	10/27/23 15:31	10/27/23 15:31	EPA 310.1M	
Nitrate as N	2.26	0.200	mg/L	1	P3I2901	09/29/23 08:52	10/01/23 22:34	EPA 300.0	
Sulfate	95.6	10.0	mg/L	10	P3I2901	09/29/23 08:52	10/01/23 20:10	EPA 300.0	

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:08	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P3J2705	05/27/23 11:00	10/05/23 18:08	EPA 6020A	SUB-13

Permian Basin Environmental Lab, L.P.

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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 P3H3112 - *** DEFAULT PREP ***

Blank (P3H3112-BLK1)	Prepared & Analyzed: 08/31/23									
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Total Alkalinity	ND	10.0	mg/L							
Carbonate Alkalinity	ND	10.0	"							
Bicarbonate Alkalinity	ND	10.0	"							
Hydroxide Alkalinity	ND	10.0	"							

LCS (P3H3112-BS1)	Prepared & Analyzed: 10/27/23									
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Total Alkalinity	275		mg/L	250		110	80-120			
Carbonate Alkalinity	ND	10.0	"				80-120			
Bicarbonate Alkalinity	ND	10.0	"				80-120			
Hydroxide Alkalinity	ND	10.0	"				80-120			

Duplicate (P3H3112-DUP1)	Source: 3H22008-06			Prepared & Analyzed: 08/31/23						
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Total Alkalinity	150	10.0	mg/L		150			0.00	20	
Carbonate Alkalinity	ND	10.0	"		ND				20	
Bicarbonate Alkalinity	ND	10.0	"		ND				20	
Hydroxide Alkalinity	ND	10.0	"		ND				20	

Batch P3I2901 - *** DEFAULT PREP ***

Blank (P3I2901-BLK1)	Prepared: 09/29/23 Analyzed: 10/01/23									
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Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							

LCS (P3I2901-BS1)	Prepared: 09/29/23 Analyzed: 10/01/23									
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Nitrate as N	10.1		mg/L	10.0		101	90-110			
Sulfate	9.70		"	10.0		97.0	90-110			

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 P3I2901 - *** DEFAULT PREP ***										
LCS Dup (P3I2901-BSD1)				Prepared: 09/29/23 Analyzed: 10/01/23						
Nitrate as N	10.1		mg/L	10.0		101	90-110	0.614	10	
Sulfate	9.66		"	10.0		96.6	90-110	0.496	10	
Calibration Check (P3I2901-CCV1)				Prepared: 09/29/23 Analyzed: 10/01/23						
Nitrate as N	9.82		mg/L	10.0		98.2	90-110			
Sulfate	9.35		"	10.0		93.5	90-110			
Calibration Check (P3I2901-CCV2)				Prepared: 09/29/23 Analyzed: 10/01/23						
Nitrate as N	10.1		mg/L	10.0		101	90-110			
Sulfate	10.0		"	10.0		100	90-110			
Matrix Spike (P3I2901-MS1)				Source: 3I28007-01		Prepared: 09/29/23 Analyzed: 10/01/23				
Sulfate	159	10.0	mg/L		52.6		80-120			
Matrix Spike (P3I2901-MS2)				Source: 3I28007-01		Prepared: 09/29/23 Analyzed: 10/01/23				
Nitrate as N	10.6		mg/L	10.0	0.419	102	80-120			
Matrix Spike Dup (P3I2901-MSD1)				Source: 3I28007-01		Prepared: 09/29/23 Analyzed: 10/01/23				
Sulfate	160	10.0	mg/L		52.6		80-120	0.332	20	
Matrix Spike Dup (P3I2901-MSD2)				Source: 3I28007-01		Prepared: 09/29/23 Analyzed: 10/01/23				
Nitrate as N	10.5		mg/L	10.0	0.419	101	80-120	0.531	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.

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: 10/29/2023

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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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)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers								Matrix		RSK SOP-175	Fe, Mn Diss IS[6010B											24 HOUR RUSH	STANDARD
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	VOA VIAL - AMBER UNPRESERVED	NONE	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other															
	3I28007-01			9/27/2023		Y	5	X									S	X	X												X
	3I28007-02			9/27/2023		Y	5	X									S	X	X												X
	3I28007-03			9/27/2023		Y	5	X									S	X	X												X
	3I28007-04			9/27/2023		Y	5	X									S	X	X												X

SPECIAL INSTRUCTIONS:

Relinquished by: Brent Barron

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

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 by Sampler/Client Rep. ?

Y

N

by Courier?

UPS

DHL

FedEx

Lone Star

Temperature Upon Receipt:

Received: °C

Adjusted: °C Factor

**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: 3L27010



Current Certification

Report Date: 01/04/24

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	3L27010-01	Water	12/26/23 11:20	12-27-2023 15:03
MW-33	3L27010-02	Water	12/26/23 11:35	12-27-2023 15:03
MW-7	3L27010-03	Water	12/27/23 09:32	12-27-2023 15:03
MW-32	3L27010-04	Water	12/27/23 10:11	12-27-2023 15:03
MW-22	3L27010-05	Water	12/27/23 10:32	12-27-2023 15:03
MW-31	3L27010-06	Water	12/27/23 10:55	12-27-2023 15:03

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
3L27010-01 (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]	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 15:54	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.0 %		80-120		P4A0205	01/02/24 11:14	01/02/24 15:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.2 %		80-120		P4A0205	01/02/24 11:14	01/02/24 15:54	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
3L27010-02 (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]	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 16:17	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	82.3 %		80-120		P4A0205	01/02/24 11:14	01/02/24 16:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	84.7 %		80-120		P4A0205	01/02/24 11:14	01/02/24 16:17	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-7
3L27010-03 (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]	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 16:40	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.4 %		80-120		P4A0205	01/02/24 11:14	01/02/24 16:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.0 %		80-120		P4A0205	01/02/24 11:14	01/02/24 16:40	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
3L27010-04 (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]	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 17:03	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	82.6 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.5 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:03	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
3L27010-05 (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]	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 17:27	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	82.5 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.0 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:27	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
3L27010-06 (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]	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 17:50	EPA 8021B	

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.4 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.5 %		80-120		P4A0205	01/02/24 11:14	01/02/24 17:50	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

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 P4A0205 - *** DEFAULT PREP ***

Blank (P4A0205-BLK1)			Prepared & Analyzed: 01/02/24							
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		88.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.3	80-120			

LCS (P4A0205-BS1)			Prepared & Analyzed: 01/02/24							
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0940	0.00100	"	0.100		94.0	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.8	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.4	80-120			

LCS Dup (P4A0205-BSD1)			Prepared & Analyzed: 01/02/24							
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120	7.63	20	
Toluene	0.0867	0.00100	"	0.100		86.7	80-120	8.09	20	
Ethylbenzene	0.0856	0.00100	"	0.100		85.6	80-120	7.94	20	
Xylene (p/m)	0.169	0.00200	"	0.200		84.5	80-120	7.22	20	
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120	0.199	20	
Surrogate: 4-Bromofluorobenzene	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		86.0	80-120			

Calibration Blank (P4A0205-CCB1)			Prepared & Analyzed: 01/02/24							
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.8	80-120			

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

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 P4A0205 - *** DEFAULT PREP ***

Calibration Blank (P4A0205-CCB2)				Prepared & Analyzed: 01/02/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0992		"	0.120		82.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.9	80-120			
Calibration Check (P4A0205-CCV1)				Prepared & Analyzed: 01/02/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.0978	0.00100	"	0.100		97.8	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.0837	0.00100	"	0.100		83.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.0991		"	0.120		82.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.3	80-120			
Calibration Check (P4A0205-CCV2)				Prepared & Analyzed: 01/02/24						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0928	0.00100	"	0.100		92.8	80-120			
Ethylbenzene	0.0863	0.00100	"	0.100		86.3	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0972		"	0.120		81.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			
Calibration Check (P4A0205-CCV3)				Prepared & Analyzed: 01/02/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.5	80-120			
Xylene (o)	0.0856	0.00100	"	0.100		85.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.8	80-120			

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

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 P4A0205 - *** DEFAULT PREP ***

Matrix Spike (P4A0205-MS1)	Source: 3L22005-06			Prepared & Analyzed: 01/02/24						
Benzene	0.0902	0.00100	mg/L	0.100	ND	90.2	80-120			
Toluene	0.0783	0.00100	"	0.100	ND	78.3	80-120			QM-05
Ethylbenzene	0.0773	0.00100	"	0.100	ND	77.3	80-120			QM-05
Xylene (p/m)	0.152	0.00200	"	0.200	ND	75.8	80-120			QM-05
Xylene (o)	0.0656	0.00100	"	0.100	ND	65.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

Matrix Spike Dup (P4A0205-MSD1)	Source: 3L22005-06			Prepared & Analyzed: 01/02/24						
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	18.5	20	
Toluene	0.0967	0.00100	"	0.100	ND	96.7	80-120	21.1	20	QM-05
Ethylbenzene	0.0955	0.00100	"	0.100	ND	95.5	80-120	21.0	20	QM-05
Xylene (p/m)	0.185	0.00200	"	0.200	ND	92.4	80-120	19.7	20	
Xylene (o)	0.0809	0.00100	"	0.100	ND	80.9	80-120	20.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0988		"	0.120		82.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.4	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

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:

1/4/2024

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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Project: HOBBS JUNCTION MAINLINE
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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: 3L29002



Current Certification

Report Date: 01/04/24

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	3L29002-01	Water	12/28/23 09:45	12-28-2023 16:48
MW-21	3L29002-02	Water	12/28/23 11:21	12-28-2023 16:48
MW-24	3L29002-03	Water	12/28/23 13:41	12-28-2023 16:48
MW-23	3L29002-04	Water	12/28/23 12:46	12-28-2023 16:48

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
3L29002-01 (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	0.00293	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Organics by GC									
Benzene	0.00209	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.4 %		80-120		P4A0205	01/02/24 11:14	01/02/24 20:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.9 %		80-120		P4A0205	01/02/24 11:14	01/02/24 20:32	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
3L29002-02 (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	0.000530	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	83.5 %		80-120		P4A0205	01/02/24 11:14	01/02/24 20:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.0 %		80-120		P4A0205	01/02/24 11:14	01/02/24 20:55	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-24
3L29002-03 (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]	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	84.3 %		80-120		P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.7 %		80-120		P4A0205	01/02/24 11:14	01/02/24 21:19	EPA 8021B	

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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-23
3L29002-04 (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]	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	85.3 %		80-120		P4A0205	01/02/24 11:14	01/02/24 21:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.2 %		80-120		P4A0205	01/02/24 11:14	01/02/24 21:42	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

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 P4A0205 - *** DEFAULT PREP ***

Blank (P4A0205-BLK1)			Prepared & Analyzed: 01/02/24							
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		88.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.3	80-120			

LCS (P4A0205-BS1)			Prepared & Analyzed: 01/02/24							
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0940	0.00100	"	0.100		94.0	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		90.8	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.4	80-120			

LCS Dup (P4A0205-BSD1)			Prepared & Analyzed: 01/02/24							
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120	7.63	20	
Toluene	0.0867	0.00100	"	0.100		86.7	80-120	8.09	20	
Ethylbenzene	0.0856	0.00100	"	0.100		85.6	80-120	7.94	20	
Xylene (p/m)	0.169	0.00200	"	0.200		84.5	80-120	7.22	20	
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120	0.199	20	
Surrogate: 4-Bromofluorobenzene	0.0988		"	0.120		82.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		86.0	80-120			

Calibration Blank (P4A0205-CCB1)			Prepared & Analyzed: 01/02/24							
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.8	80-120			

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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

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 P4A0205 - *** DEFAULT PREP ***

Calibration Blank (P4A0205-CCB2)				Prepared & Analyzed: 01/02/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0992		"	0.120		82.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.9	80-120			

Calibration Check (P4A0205-CCV1)				Prepared & Analyzed: 01/02/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.0978	0.00100	"	0.100		97.8	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.0837	0.00100	"	0.100		83.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.0991		"	0.120		82.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.3	80-120			

Calibration Check (P4A0205-CCV2)				Prepared & Analyzed: 01/02/24						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0928	0.00100	"	0.100		92.8	80-120			
Ethylbenzene	0.0863	0.00100	"	0.100		86.3	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.4	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0972		"	0.120		81.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			

Calibration Check (P4A0205-CCV3)				Prepared & Analyzed: 01/02/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0915	0.00100	"	0.100		91.5	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.5	80-120			
Xylene (o)	0.0856	0.00100	"	0.100		85.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.8	80-120			

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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

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 P4A0205 - *** DEFAULT PREP ***

Matrix Spike (P4A0205-MS1)		Source: 3L22005-06		Prepared & Analyzed: 01/02/24						
Benzene	0.0902	0.00100	mg/L	0.100	ND	90.2	80-120			
Toluene	0.0783	0.00100	"	0.100	ND	78.3	80-120			QM-05
Ethylbenzene	0.0773	0.00100	"	0.100	ND	77.3	80-120			QM-05
Xylene (p/m)	0.152	0.00200	"	0.200	ND	75.8	80-120			QM-05
Xylene (o)	0.0656	0.00100	"	0.100	ND	65.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

Matrix Spike Dup (P4A0205-MSD1)		Source: 3L22005-06		Prepared & Analyzed: 01/02/24						
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	18.5	20	
Toluene	0.0967	0.00100	"	0.100	ND	96.7	80-120	21.1	20	QM-05
Ethylbenzene	0.0955	0.00100	"	0.100	ND	95.5	80-120	21.0	20	QM-05
Xylene (p/m)	0.185	0.00200	"	0.200	ND	92.4	80-120	19.7	20	
Xylene (o)	0.0809	0.00100	"	0.100	ND	80.9	80-120	20.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0988		"	0.120		82.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.4	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

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:

1/4/2024

Brent Barron, Laboratory Director/Technical Director

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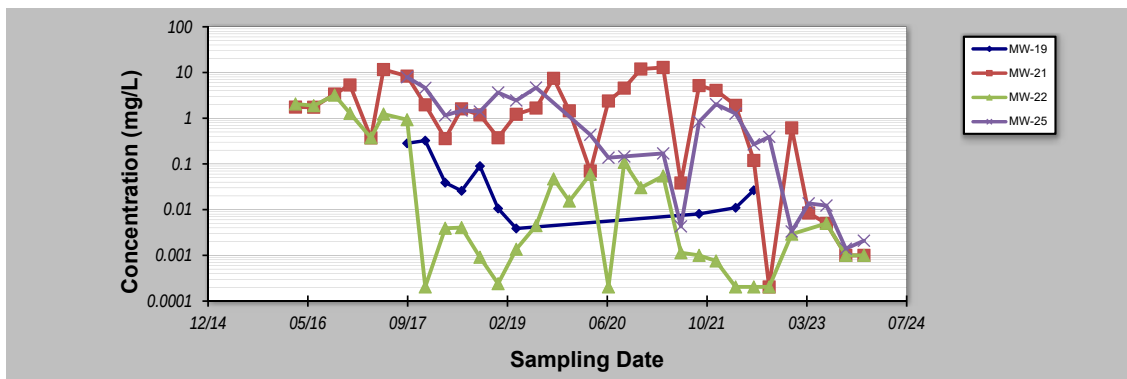
APPENDIX D

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								
34								
35								
Coefficient of Variation:		1.46	1.27	2.13	1.41			
Mann-Kendall Statistic (S):		-21	-151	-202	-149			
Confidence Factor:		96.4%	99.3%	>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.

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Energy, Minerals and Natural Resources

Oil Conservation Division

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CONDITIONS

Action 332476

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:	34053
	Action Number:	332476
	Action Type:	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for Hobbs Junction Mainline [nAPP2109528296]: content satisfactory 1. Proceed to install groundwater wells as appropriate due to declining water levels, upload permits obtained from OSE to the incident file. 2. Continue PSH recovery through monthly MDPE events. 3. Conduct O&M of the recovery system and optimize recovery as needed. 4. Conduct quarterly groundwater monitoring events as scheduled. 5. Submit the 2024 Annual Report to OCD by April 1, 2025.	6/28/2024