Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory**

Contractor recommendations approved by NMOCD and are as follows;

1. Continue quarterly MDPE events
2. 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
3. Continue the quarterly groundwater monitoring program and annual reporting in accordance with NMOCD directives
4. Initiate PAH sampling on any well where measurable PSH is reduced to dissolved phase
5. Submit annual report to NMOCD no later than March 31,2023.

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2021 ANNUAL GROUNDWATER MONITORING REPORT

HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO
SRS #2003—00017
NMOCD REF. # AP-054, nAPP2109528296

PREPARED FOR:
PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

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408 TEXAS AVENUE
ARTESIA, NEW MEXICO 88210

MARCH 8, 2022

2021 ANNUAL GROUNDWATER MONITORING REPORT

HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO
SRS #2003-00017
NMOCD REF. # AP-054, nAPP2109528296

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MARCH 8, 2022

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NMOCD – New Mexico Oil Conservation Division
NMSLO – New Mexico State Land Office

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APPENDICES

1.0 INTRODUCTION

1.1 Objectives and Site Background

The Hobbs Junction Mainline (site) is located approximately three 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° 42' 40.85" latitude and 103° 13' 42.01" 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.

1.2 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.

1.3 Previous Environmental Investigations

Currently, a total of 33 monitor wells have been installed in the vicinity of the release (see Figure 1). Initial groundwater delineation activities began on February 13, 2003, by advancing a soil boring BH-1 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 were completed with 2-inch screen and blank riser to further delineate the benzene, toluene, ethylbenzene, xylenes (BTEX) contamination 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 sixteen (16) pneumatic total fluid pumps installed in monitor wells MW-1 through MW-4, MW-6, MW-10, MW-11, MW-12, MW-14, MW-15, MW-17, MW-25, though MW-27, MW-29, and MW-30. The recovered PSH and water is pumped into a holding tank within a lined secondary containment. As the tank level fills a high-level head pressure switch engages a fluid transfer pump that moves the recovered fluids to the Occidental Permian North Hobbs Unit Satellite 25 SWD.

During 2021, the recovery system extracted 74.68 bbls of PSH and 6,285.2 bbls of groundwater.

Additionally, during 2021, twelve (12) mobile dual-phase extraction (MDPE) events were conducted at this site on January 21, February 2, March 31, April 28, May 26, June 18, July 21, August 11, September 16, October 13, November 23, and December 8, 2021. A total of 324.83 bbls of PSH were recovered, consisting of 198.57 bbls of liquid PSH and 126.26 bbls of vapor PSH. In addition, 429.78 bbls of groundwater were recovered during the MDPE events.

1.4 Regulatory Framework

Groundwater analytical data collected from monitor wells during quarterly groundwater monitoring events at this site is evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards listed in the table below.

(NMWQCC) groundwater standards	
Compound	**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

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the subject site during the year 2021. 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 impacting the groundwater and determining if modifications to the remediation system would improve its performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE during the year 2021. The events occurred in: March, June, September, and December.

During the March 2021 groundwater monitoring event, groundwater samples were collected from twelve (12) monitor wells: MW-7, MW-13, MW-18, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Nineteen (19) monitor wells (MW-1 through MW-4, MW-6, MW-8 through MW-12, MW-14 through MW-17, MW-19, MW-26, MW-27, MW-29, and MW-30) were not sampled due to the presence of PSH. One (1) monitor well (MW-5) was obstructed, and therefore not purged or sampled. One (1) monitor well (MW-20) was dry, and therefore not purged or sampled.

During the June 2021 groundwater monitoring event, groundwater samples were collected from twelve (12) monitor wells: MW-7, MW-13, MW-18, MW-21 through MW-25, MW-28, MW-31, MW-32, and MW-33. Nineteen (19) monitor wells (MW-1 through MW-4, MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-19, MW-20, MW-26, MW-27, MW-29, and MW-30) were not sampled due to the presence of PSH. One (1) monitor well (MW-5) was obstructed, and therefore not purged or sampled. MW-9 was not gauged or sampled.

During the September 2021 groundwater monitoring event, groundwater samples were collected from thirteen (13) monitor wells: MW-7, MW-13, MW-18, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Eighteen (18) monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled due to the presence of PSH. Two (2) monitor wells (MW-9 and MW-20) were dry, and therefore not purged or sampled.

During the December 2021 groundwater monitoring event, groundwater samples were collected from ten (10) monitor wells: MW-7, MW-21 through MW-25, MW-28, MW-31 through MW-33. Eighteen (18) monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled due to the presence of PSH. Two (2) monitor wells (MW-9 and MW-20) were dry, and therefore were not purged or sampled. Three (3) monitor wells had insufficient water to sample, and therefore were not purged or sampled. During this event, additional samples were collected from three (3) monitoring wells (MW-19, MW-24, and MW-25) and were

analyzed for Monitored Natural Attenuation (MNA) parameters.

Details of the gauging, purging, and sampling collection 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 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: Corrected groundwater elevation = the surveyed top of casing elevation – (measured depth to water) – (PSH thickness x the specific gravity of the PSH). Measured groundwater depths and elevations collected during the sampling events, along with historical measurements, are presented in Table 1 – Summary of Historical Fluid Level Measurements and contoured gradient maps are located in Appendix A.

All wells not impacted with 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 was contained onsite in the system recovery tank until the water was transferred to the Occidental Permian's North Hobbs Satellite disposal facility.

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 until delivery to Eurofins Xenco Laboratories, Inc. in Carlsbad, New Mexico for analysis. The collected samples were quantified for BTEX by EPA Method SW-846 8021B.

The monitor wells sampled for MNA parameters were sampled 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 until delivery to Eurofins Xenco Laboratories, Inc. in Carlsbad, New Mexico for analysis of nitrate, sulfate, ferrous iron, manganese, alkalinity, and methane.

2.3 Phase Separated Hydrocarbon and Groundwater Recovery

The crude oil and groundwater recovered with the total fluid pumps were 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, recovered water is transferred to Occidental Permian's North Hobbs Satellite disposal facility via a four (4) inch HDPE flow line.

The depth to water and 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 2021, the quarterly PSH and groundwater recovery totals for the system are as follows:

- 1st Quarter – 29.9 bbls of crude oil and 2,002 bbls of groundwater
- 2nd Quarter – 16.44 bbls of crude oil and 1,470 bbls of groundwater
- 3rd Quarter – 15.76 bbls of crude oil and 1,651.2 bbls of groundwater
- 4th Quarter – 12.58 bbls of crude oil and 1,162 bbls of groundwater

In addition to the recovery system, twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2021. The MDPE event recovery totals are as follows:

- January 21, 2021 – 0.63 bbls of vapor and 3.26 bbls of liquid
- February 2, 2021 – 15.12 bbls of vapor and 9.16 bbls of liquid
- March 31, 2021 – 3.43 bbls of vapor and 19.64 bbls of liquid
- April 28, 2021 – 7.15 bbls of vapor and 4.69 bbls of liquid
- May 26, 2021 – 20.35 bbls of vapor and 12.92 bbls of liquid
- June 18, 2021 – 3.11 bbls of vapor and 22.57 bbls of liquid
- July 21, 2021 – 12.38 bbls of vapor and 26.89 bbls of liquid
- August 11, 2021 – 15.22 bbls of vapor and 20.57 bbls of liquid
- September 16, 2021 – 9.79 bbls of vapor and 18.70 bbls of liquid
- October 13, 2021 – 12.63 bbls of vapor and 25.99 bbls of liquid
- November 23, 2021 – 12.78 bbls of vapor and 22.42 bbls of liquid
- December 8, 2021 – 13.68 bbls of vapor and 11.76 bbls of liquid

Approximately 399.52 bbls of oil were recovered during 2021 and a total of 4,934.79 bbls of PSH has been recovered from the site to date.

3.0 GROUNDWATER MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Data in Appendix B. Laboratory analytical 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 Hobbs Junction Mainline site.

3.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, including 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 6 counties in New Mexico.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which has 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 averages from zero (0) to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally 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 (7) inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically been approximately 40 feet bgs and the groundwater flow direction is to the southeast at an average of 25 feet per mile.

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

Water level measurements were collected from all monitor wells during all four (4) groundwater monitoring events. The data collected is summarized in Table 1, Summary of Historical Fluid Level Measurements, presented in Appendix B. Potentiometric surface contour maps were constructed from the four (4) water level measurement datasets. These maps are Figure 2a through Figure 2d presented in Appendix A. The groundwater flow direction at the site is consistently towards the east-southeast, at an average gradient of 0.0042 feet/foot or approximately 22.1 feet per mile. Groundwater levels at the subject site have decreased on average 0.93 feet in 2021 and approximately 4.08 feet since 2017.

3.3 Phase Separated Hydrocarbon

The collection of water level measurement data was conducted using an oil/water interface probe, which was also used to determine the presence of PSH.

- In March 2021, PSH was observed in monitor wells MW-1 through MW-4, MW-6, MW-8 through MW-12, MW-14 through MW-17, MW-19, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.04 feet in MW-19 to 5.44 feet in MW-27.
- In June 2021, PSH was observed in monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-19, MW-20, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.01 feet in MW-19 and MW-20 to 5.73 feet in MW-3.
- In September 2021, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.02 feet in MW-3 and MW-16 to 5.78 feet in MW-1.
- In December 2021, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.04 feet in MW-11 to 6.07 feet in MW-1.

PSH thickness isopleths maps are presented as Figure 3a through Figure 3d in Appendix A.

3.4 Groundwater Sampling Results

During the March 2021 groundwater monitoring event, groundwater samples were collected from twelve (12) monitor wells: MW-7, MW-13, MW-18, MW-21 through MW-25, MW-28, and MW-31 through MW-33.

Analytical results from the collected groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory method detection limit (MDL) in MW-7, MW-13, MW-18, MW-23, MW-24, MW-32 and MW-33 to 12.9 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-21, MW-22, and MW-25.
- Toluene concentrations were less than the laboratory MDL in for all wells except MW-21, which had a concentration of 0.0685 mg/L. Toluene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any monitor wells sampled.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-23, MW-24, MW-28, and MW-31 through MW-33 to 1.07 mg/L in MW-21. Ethylbenzene concentrations exceeded the NMWQCC standard of 0.750 mg/L in MW-21.
- Xylene concentrations were less than the laboratory MDL in all wells except MW-21 and MW-25, which had concentrations of 0.258 mg/L and 0.0288 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any monitor wells sampled.

During the June 2021 groundwater monitoring event, groundwater samples were collected from twelve (12) monitor wells: MW-7, MW-13, MW-18, MW-21 through MW-25, MW-28, MW-31, MW-32, and MW-33.

Analytical results from the collected groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory MDL in MW-13, MW-28, and MW-32 to 0.0383 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-21 and MW-24.
- Toluene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-22, MW-23, MW-24, MW-28, MW-31, and MW-32 to 0.000647 mg/L in MW-33. Toluene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-13, MW-28, MW-31, and MW-32 to 0.390 mg/L in MW-21. Ethylbenzene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.
- Xylene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-22, MW-23, MW-24, MW-28, MW-31 and MW-32 to 0.0631 mg/L in MW-21. Xylene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.

During the September 2021 groundwater monitoring event, groundwater samples were collected from thirteen (13) monitor wells: MW-7, MW-13, MW-18, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33.

Analytical results from the collected groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory MDL in MW-7, MW-18, MW-22 through MW-24, MW-31, and MW-33 to 5.85 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-18, MW-21, MW-25, and MW-28.
- Toluene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-19, MW-22 through MW-24, MW-28, MW-31, and MW-33 to 0.000819 mg/L in MW-21. Toluene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-18, MW-23, MW-24 and MW-33 to 1.84 mg/L in MW-21. Ethylbenzene concentrations exceeded the NMWQCC standard of 0.750 mg/L in MW-21.
- Xylene concentrations ranged from less than the laboratory MDL in MW-7, MW-18, MW-22 through MW-24, MW-31, and MW-33 to 0.289 mg/L in MW-21. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the monitor wells sampled.

During the December 2021 groundwater monitoring event, groundwater samples were collected from ten (10) monitor wells: MW-7, MW-21 through MW-25, MW-28, MW-31 through MW-33.

Analytical results from the collected groundwater samples exhibited the following findings:

- Benzene concentrations ranged less than the laboratory MDL in MW-24, MW-31, and MW-32 to 4.06 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-21 and MW-25.
- Toluene concentrations were less than the laboratory MDL in all wells. Toluene concentrations were below the NMWQCC standard of 0.750 mg/L in all wells sampled this quarter.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-22 through MW-24, MW-31, and MW-32 to 1.39 mg/L in MW-21. Ethylbenzene concentrations exceeded the NMWQCC standard of 0.750 mg/L in monitor well MW-21.
- Xylene concentrations were less than the laboratory MDL in all wells except MW-21 and MW-25, which had concentrations of 0.115 mg/L and 0.0317 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the wells sampled this quarter.
- Methane concentrations ranged from <5.00 ug/L in MW-24 to 4,180 ug/L in MW-19.
- Ferrous iron concentrations ranged from <0.0500 mg/L in MW-19 and MW-24 to 0.0300 mg/L in MW-25.
- Manganese concentrations ranged from 0.00746 mg/L in MW-24 to 0.123 mg/L in MW-19.
- Alkalinity concentrations ranged from 220 mg/L in MW-24 to 575 mg/L in MW-19.
- Sulfate concentrations ranged from 17.8 mg/L in MW-19 to 105 mg/L in MW-24.
- Nitrate as N concentrations ranged from 0.193 mg/L in MW-19 to 2.31 mg/L in MW-24.

The laboratory analytical results are summarized in Tables 2, 3 and 4, Summary of Historical Groundwater Analytical Results in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four (4) 2021 groundwater monitoring events conducted at the Hobbs Junction Mainline site and provides recommendations for future actions.

4.1 Summary of Findings

- Approximately 74.68 bbls of crude oil were recovered by the groundwater system and 324.84 bbls of PSH were recovered via MDPE during 2021. Approximately 4,934.79 bbls of PSH has been recovered from the site to date.
- The PSH thicknesses in many wells have fluctuated throughout the year.
- The PSH plume is delineated.
- Groundwater levels at the subject site have decreased on average 0.93 feet in 2021 and approximately 4.08 feet since 2017.
- NMOCD has approved discontinuation of PAH sampling events from monitoring wells MW-21, MW-22, MW-28, MW-31, MW-32 and MW-33.

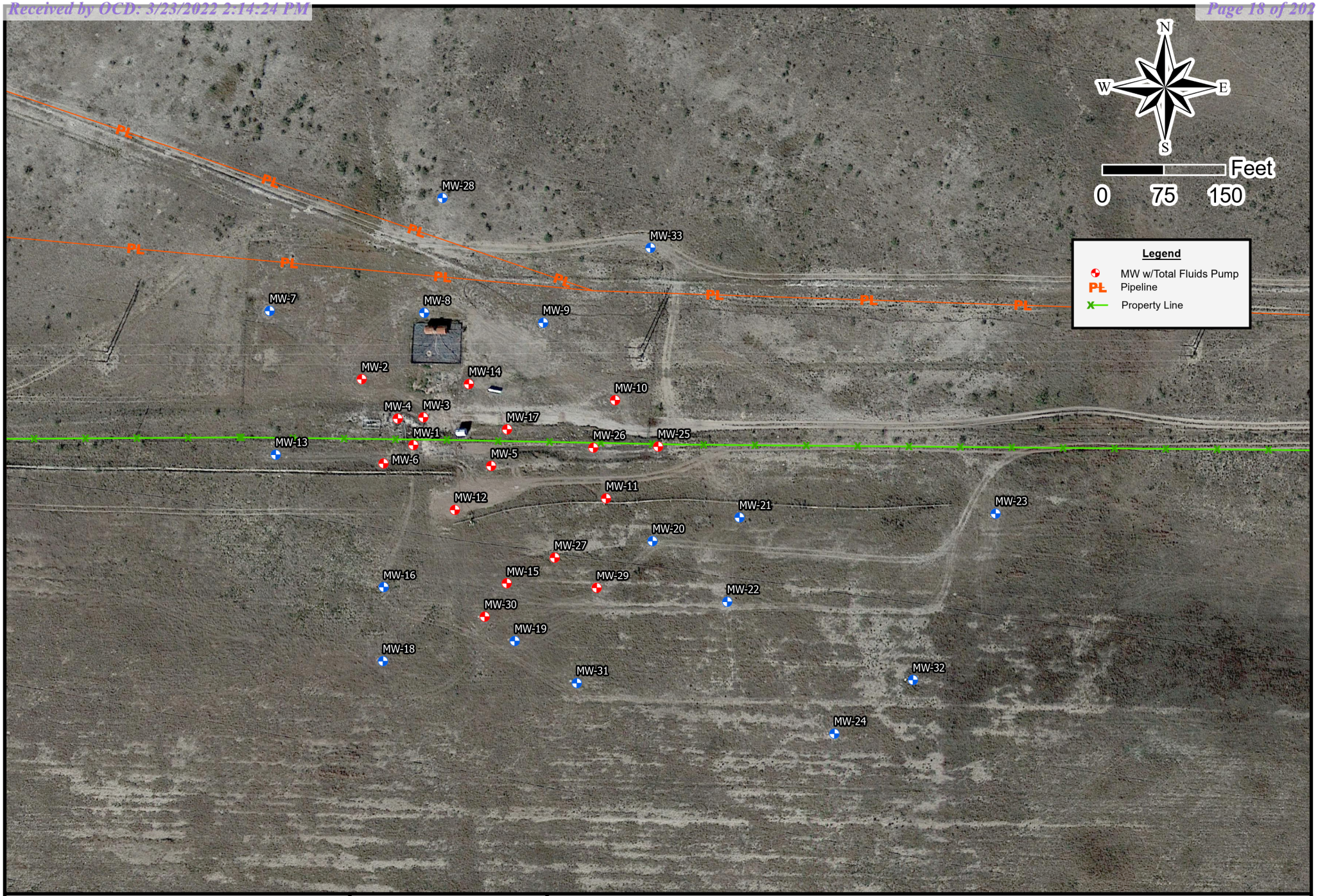
4.2 Recommendations

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

- Continue the 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.
- Continue the quarterly groundwater monitoring program and annual reporting in accordance with NMOCD directives.

APPENDIX A

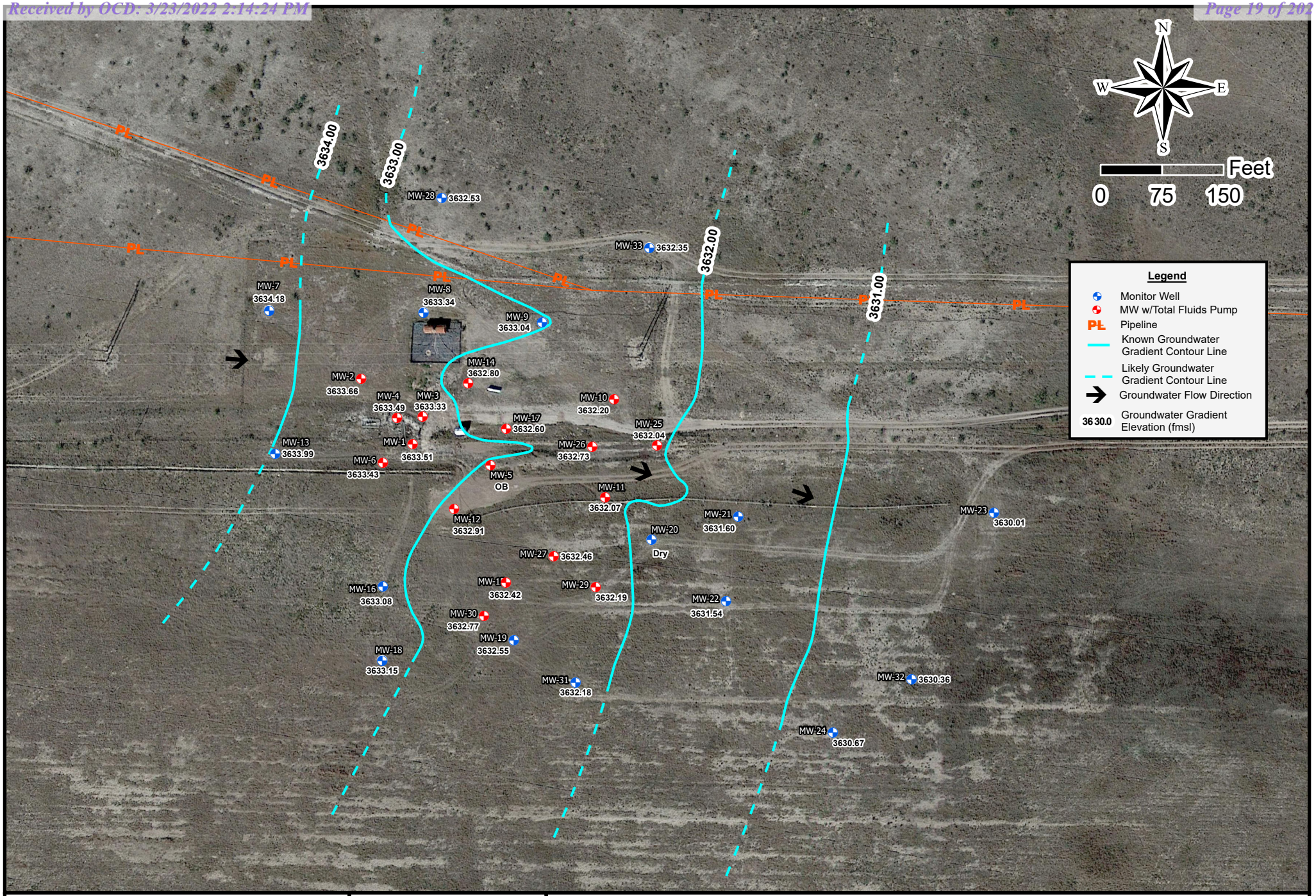
Figures



TALON LPE

Drafted: 8/17/2021
1 in = 150 ft
Drafted By: IJM

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



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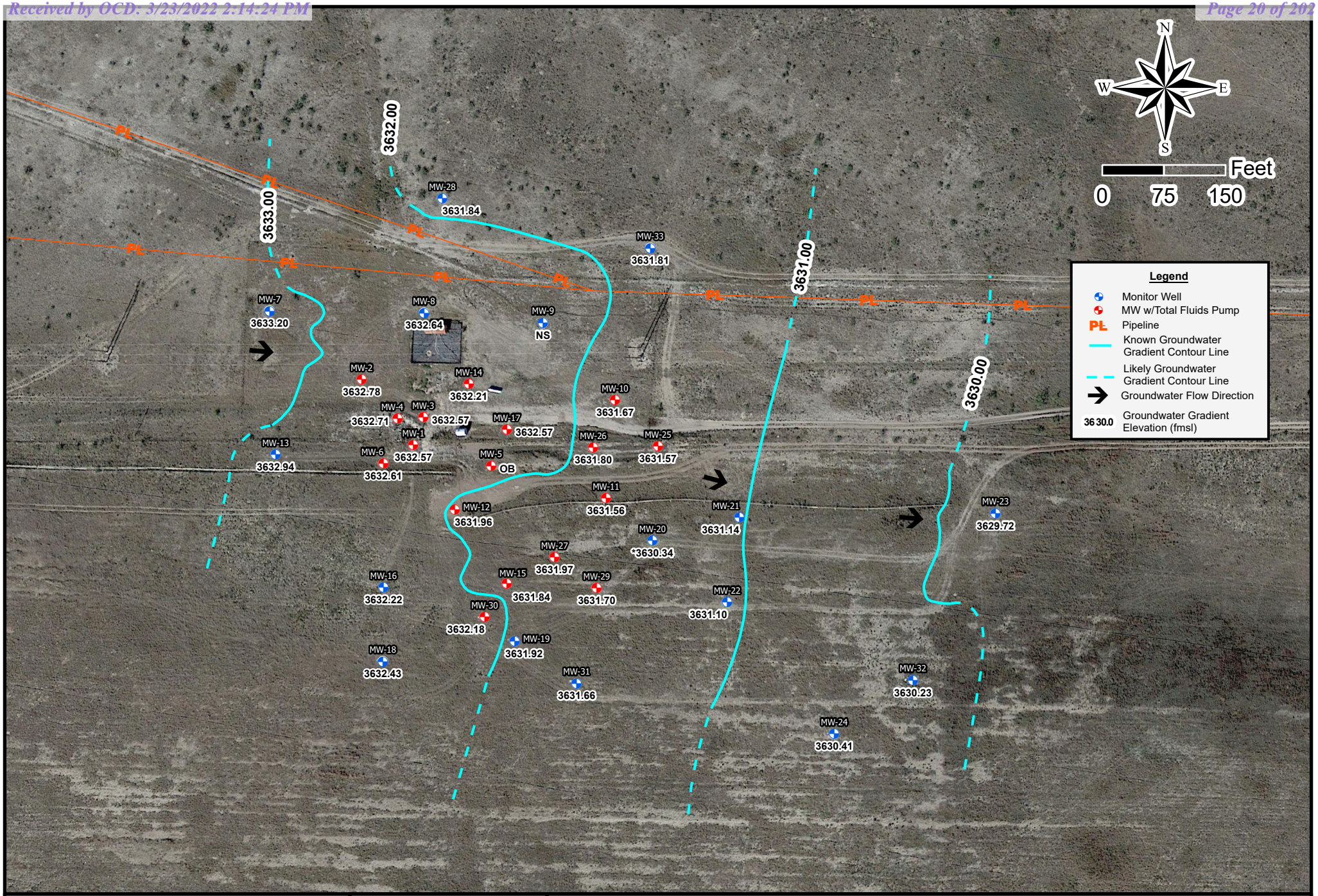
Drafted: 5/25/2021
1 in = 150 ft
Drafted By: JAI

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. #nAPP2109528296
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
32.711580, -103.228061
Figure 2a - Groundwater Gradient Map (03/23-24/2021)



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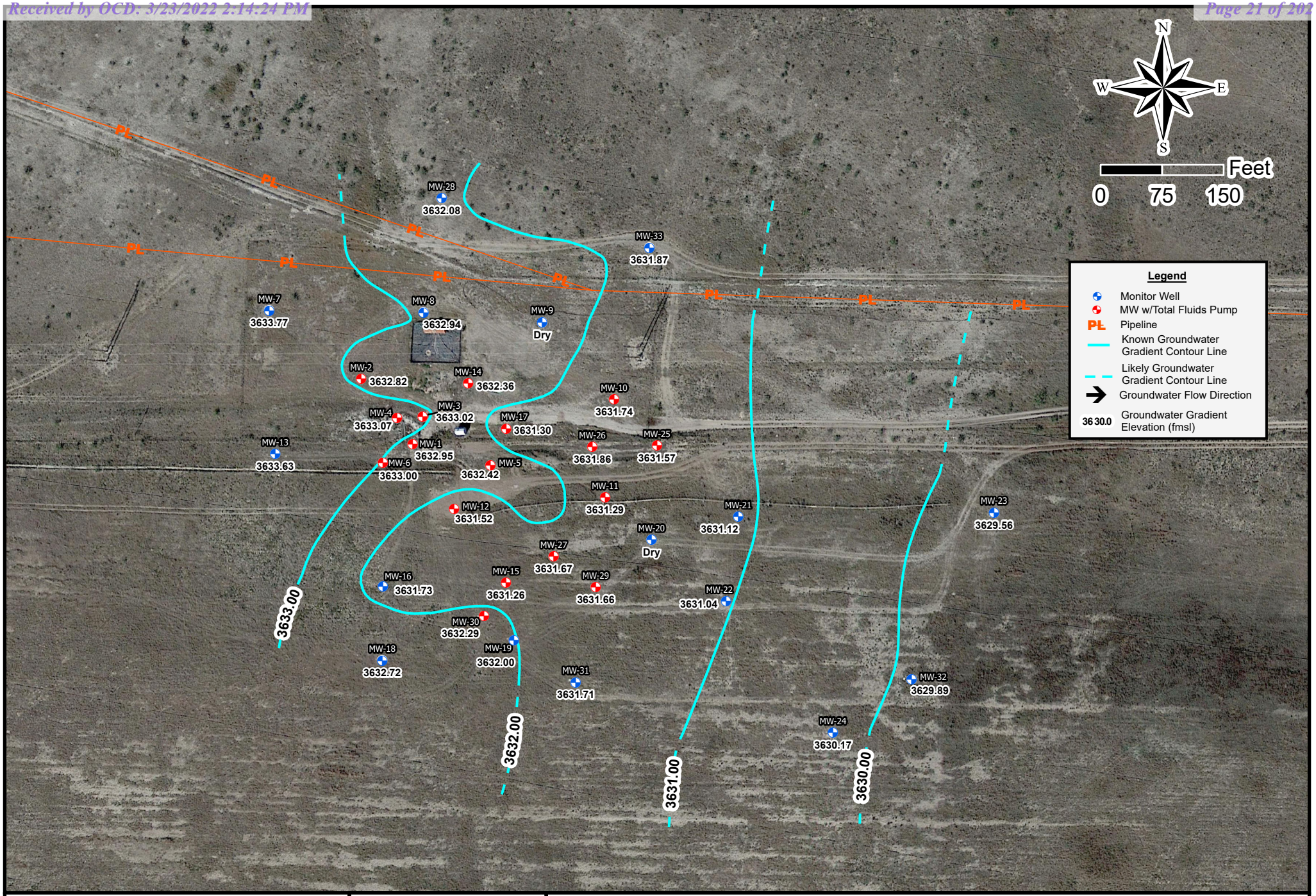
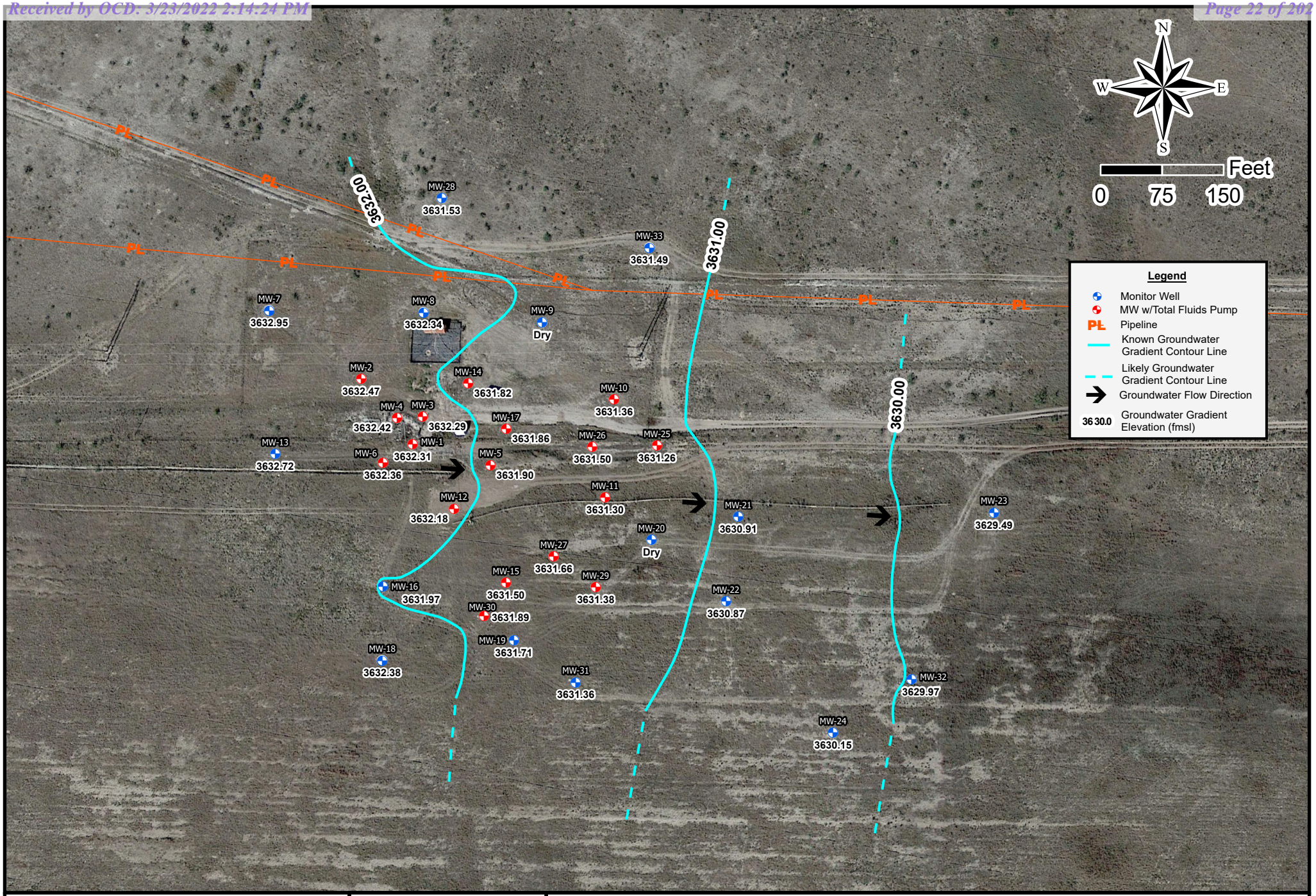
Drafted: 12/28/2021
1 in = 150 ft
Drafted By: IJR

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 (06/21-22,28/2021)



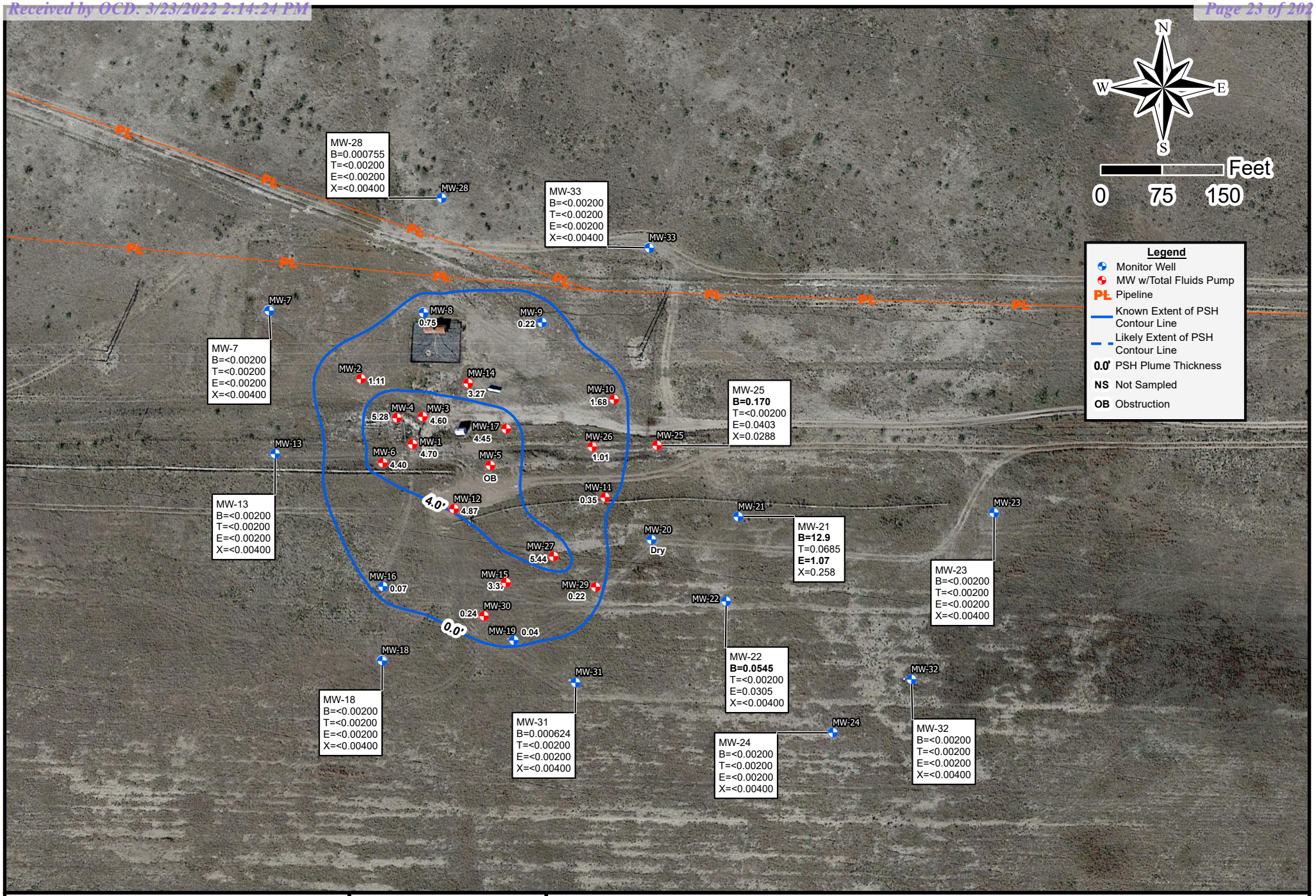
TALON LPE	Drafted: 12/28/2021 1 in = 150 ft Drafted By: IJR	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. #nAPP2109528296 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico 32.711580, -103.228061 Figure 2c - Groundwater Gradient Map (09/20-21, 30/2021)



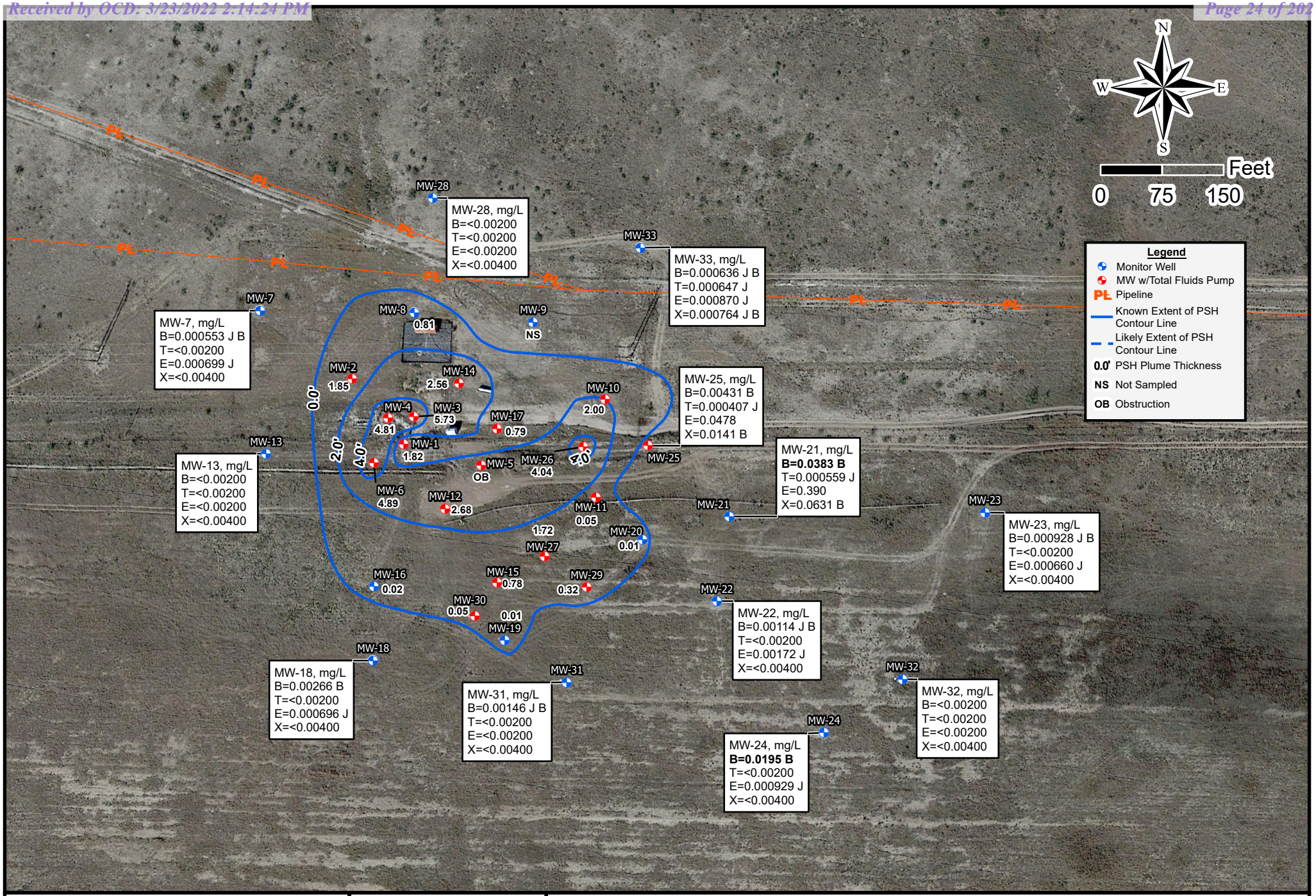
TALON LPE

Drafted: 12/28/2021
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 (12/15/2021)



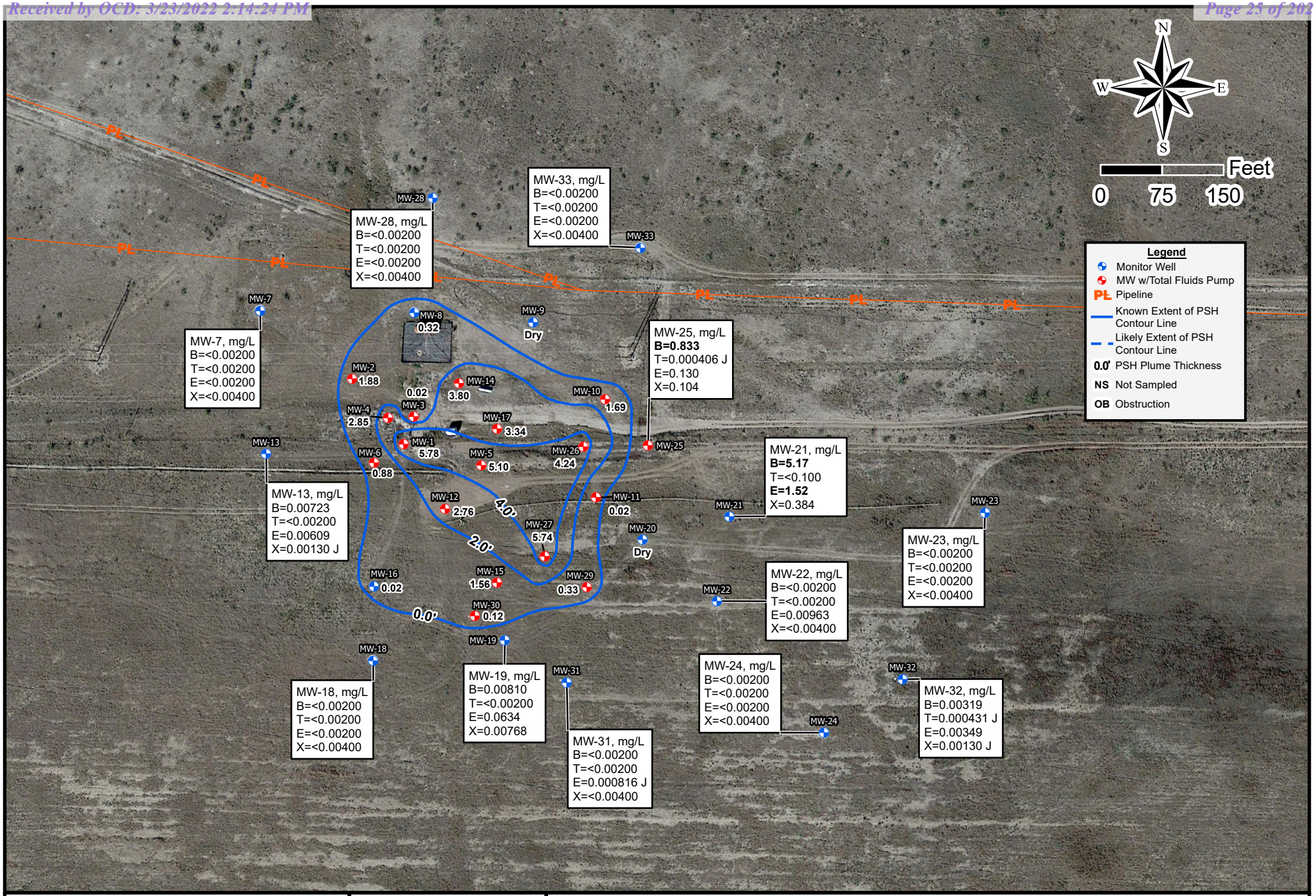
TALON LPE	Drafted: 6/8/2021 1 in = 150 ft Drafted By: JAI	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. #nAPP2109528296 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico 32.711580, -103.228061 Figure 3a - PSH Thickness and Groundwater Concentration Map (03/23-26/2021)



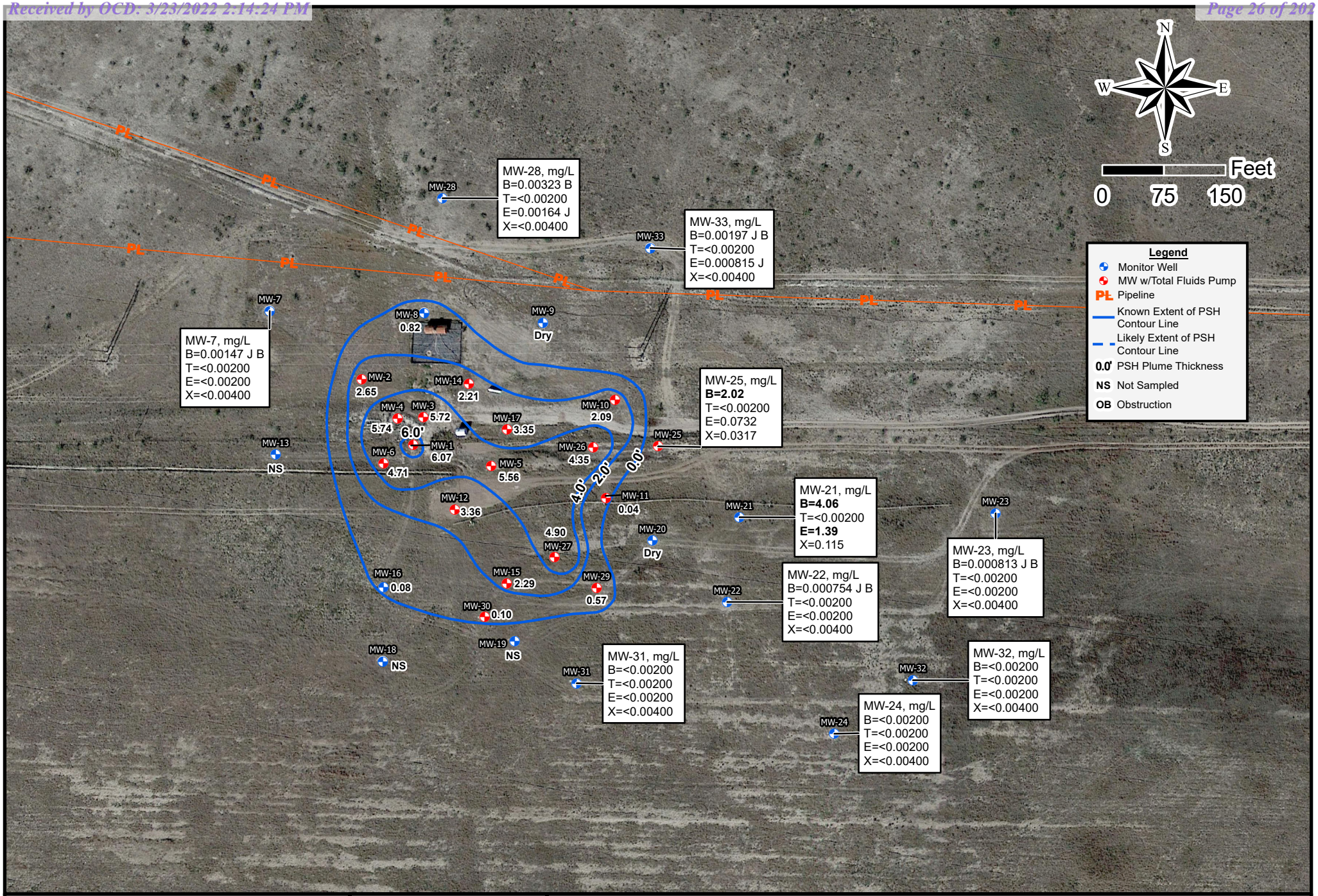
TALON LPE

Drafted: 8/5/2021
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 (06/22&28/2021)



TALON LPE	Drafted: 8/5/2021 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 (09/20-21, 30/2021)



TALON LPE

Drafted: 12/28/2021

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 (12/15-16/2021)

APPENDIX B

Tables

Table 1 - Groundwater Analytical 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
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
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

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

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-4 4"	3679.64	39	54	03/09/2016	45.58	43.88	1.70	3635.48
				06/08/2016	46.06	42.82	3.24	3636.29
				09/21/2016	46.46	43.03	3.43	3636.04
				12/07/2016	44.81	43.81	1.00	3635.66
				03/22/2017	46.60	42.97	3.63	3636.07
				05/24/2017	47.03	43.32	3.71	3635.71
				09/18/2017	47.06	43.31	3.75	3635.71
				12/13/2017	46.95	43.44	3.51	3635.62
				03/29/2018	48.05	44.58	3.47	3634.49
				06/19/2018	48.05	43.65	4.40	3635.26
				09/18/2018	43.89	43.88	0.01	3635.76
				01/16/2019	46.95	43.85	3.10	3635.28
				03/19/2019	44.74	43.75	0.99	3635.73
				06/26/2019	47.37	44.10	3.27	3635.00
				09/20/2019	46.80	44.05	2.75	3635.14
				12/11/2019	48.44	44.13	4.31	3634.80
				03/23/2020	47.30	44.34	2.96	3634.81
				06/24/2020	47.73	44.96	2.77	3634.22
				09/10/2020	50.50	45.05	5.45	3633.69
				12/03/2020	50.15	45.46	4.69	3633.41
				03/24/2021	50.56	45.28	5.28	3633.49
				06/22/2021	50.95	46.14	4.81	3632.71
				09/21/2021	48.95	46.10	2.85	3633.07
				12/15/2021	52.01	46.27	5.74	3632.42
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
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

Table 1 - Groundwater Analytical 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-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
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
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	-	-	-

Table 1 - Groundwater Analytical 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-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
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
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

Table 1 - Groundwater Analytical Data - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13 2"	3681.42	36.3	51.3	03/09/2016	44.45	-	-	3636.97
				06/08/2016	44.50	-	-	3636.92
				09/21/2016	44.69	-	-	3636.73
				12/07/2016	44.93	-	-	3636.49
				03/22/2017	44.81	-	-	3636.61
				05/24/2017	44.90	-	-	3636.52
				09/18/2017	45.05	-	-	3636.37
				12/13/2017	45.17	-	-	3636.25
				03/29/2018	45.38	-	-	3636.04
				06/19/2018	45.59	-	-	3635.83
				09/18/2018	45.56	-	-	3635.86
				01/14/2019	45.54	-	-	3635.88
				03/19/2019	45.60	-	-	3635.82
				06/26/2019	45.76	-	-	3635.66
				09/20/2019	45.87	-	-	3635.55
				12/11/2019	45.97	-	-	3635.45
				03/23/2020	46.00	-	-	3635.42
				06/24/2020	46.65	-	-	3634.77
				09/10/2020	47.30	-	-	3634.12
				12/03/2020	47.62	-	-	3633.80
				03/23/2021	47.43	-	-	3633.99
				06/22/2021	48.48	-	-	3632.94
				09/21/2021	47.79	-	-	3633.63
				12/15/2021	48.70	-	-	3632.72
MW-14 4"	3679	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
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

Table 1 - Groundwater Analytical 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-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
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
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

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

Table 1 - Groundwater Analytical 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-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
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
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

Table 1 - Groundwater Analytical 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-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
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
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

Table 1 - Groundwater Analytical 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-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
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
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

Table 1 - Groundwater Analytical 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
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

Table 1 - Groundwater Analytical 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

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 - 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)
NMOCD - Groundwater		0.01	0.75	0.75	0.62	-
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
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
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

Table 2 - 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)
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
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
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

Table 2 - 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)
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
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
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

Table 2 - 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)
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
MW-29	03/29/2018	**1.12 D**	0.212	0.134	0.219	1.68
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

Table 2 - 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)
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
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

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

Analyte concentration exceeds the standard for:
NMOCD - Groundwater

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

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

Notes:
Lab Flags noted next to values. See lab report for description.
BRL - Below Reporting Limits

Analyte concentration exceeds the standard for:
NMOCD - Groundwater

Table 4- Summary of Historical Groundwater Analytical Results - MNA
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	4,180	<0.0500 HF	0.123	<4.00	575	<4.00	<4.00	575	17.8	0.193
MW-23	06/20/2008	-	-	0.0430	-	198	BRL	BRL	198	158	3.70
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
MW-25	12/15/2021	2,970	0.0300 J HF	0.0783	<4.00	350	<4.00	<4.00	350	49.3	0.754

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

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-432-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: Hobbs Junction

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
4/6/2021 4:55:22 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Hobbs Junction

Laboratory Job ID: 890-432-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

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

Job ID: 890-432-1
SDG: Hobbs NM

Job ID: 890-432-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-432-1

Receipt
The samples were received on 3/25/2021 1:32 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 1.0°C

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Client Sample ID: MW-28

Lab Sample ID: 890-432-1
Date Collected: 03/25/21 08:40
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000755**	**J**	0.00200	0.000408	mg/L			04/01/21 02:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 02:03	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 02:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 02:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 02:03	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 02:03	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/01/21 02:03*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*04/01/21 02:03*	*1*

Client Sample ID: MW-25

Lab Sample ID: 890-432-2
Date Collected: 03/25/21 10:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.170**		0.00200	0.000408	mg/L			04/01/21 02:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 02:28	1
Ethylbenzene	**0.0403**		0.00200	0.000657	mg/L			04/01/21 02:28	1
m-Xylene & p-Xylene	**0.0288**		0.00400	0.000629	mg/L			04/01/21 02:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 02:28	1
Xylenes, Total	**0.0288**		0.00400	0.00100	mg/L			04/01/21 02:28	1
Total BTEX	**0.239**		0.00200	0.00100	mg/L			04/01/21 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/01/21 02:28*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*04/01/21 02:28*	*1*

Client Sample ID: MW-31

Lab Sample ID: 890-432-3
Date Collected: 03/25/21 10:34
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000624**	**J**	0.00200	0.000408	mg/L			04/01/21 02:54	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 02:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 02:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 02:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 02:54	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 02:54	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/01/21 02:54*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*04/01/21 02:54*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Client Sample ID: MW-7

Lab Sample ID: 890-432-4
Date Collected: 03/25/21 10:00
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 03:19	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 03:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 03:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 03:19	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 03:19	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 03:19	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*04/01/21 03:19*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*04/01/21 03:19*	*1*

Client Sample ID: MW-33

Lab Sample ID: 890-432-5
Date Collected: 03/25/21 09:32
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 03:44	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 03:44	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 03:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 03:44	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 03:44	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 03:44	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*04/01/21 03:44*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*04/01/21 03:44*	*1*

Client Sample ID: MW-23

Lab Sample ID: 890-432-6
Date Collected: 03/25/21 11:20
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 04:09	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 04:09	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 04:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 04:09	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 04:09	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 04:09	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/01/21 04:09*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*04/01/21 04:09*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Client Sample ID: MW-24

Lab Sample ID: 890-432-7
Date Collected: 03/25/21 11:45
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:33	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:33	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:33	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:33	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/01/21 20:33*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*04/01/21 20:33*	*1*

Client Sample ID: MW-32

Lab Sample ID: 890-432-8
Date Collected: 03/25/21 11:43
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:58	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:58	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:58	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:58	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:58	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*04/01/21 20:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*04/01/21 20:58*	*1*

Client Sample ID: MW-21

Lab Sample ID: 890-432-9
Date Collected: 03/25/21 11:20
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**12.9**		0.200	0.0408	mg/L			04/05/21 16:20	100
Toluene	**0.0685**		0.0200	0.00367	mg/L			04/02/21 00:18	10
Ethylbenzene	**1.07**		0.0200	0.00657	mg/L			04/02/21 00:18	10
m-Xylene & p-Xylene	**0.224**		0.0400	0.00629	mg/L			04/02/21 00:18	10
o-Xylene	**0.0339**		0.0200	0.00642	mg/L			04/02/21 00:18	10
Xylenes, Total	**0.258**		0.0400	0.0100	mg/L			04/02/21 00:18	10
Total BTEX	**15.6**		0.200	0.100	mg/L			04/05/21 16:20	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*04/02/21 00:18*	*10*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*		*04/02/21 00:18*	*10*

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-432-1	MW-28	103	101								
890-432-2	MW-25	103	108								
890-432-3	MW-31	102	100								
890-432-4	MW-7	106	104								
890-432-5	MW-33	112	105								
890-432-6	MW-23	109	106								
890-432-7	MW-24	108	90								
890-432-7 MS	MW-24	98	109								
890-432-7 MSD	MW-24	93	107								
890-432-8	MW-32	97	100								
890-432-9	MW-21	113	122								
LCS 880-1096/3	Lab Control Sample	95	108								
LCS 880-1096/64	Lab Control Sample	88	104								
LCS 880-1302/3	Lab Control Sample	90	105								
LCSD 880-1096/4	Lab Control Sample Dup	94	105								
LCSD 880-1096/65	Lab Control Sample Dup	103	108								
LCSD 880-1302/4	Lab Control Sample Dup	99	109								
MB 880-1070/5-A	Method Blank	66 X	85								
MB 880-1096/69	Method Blank	67 X	86								
MB 880-1096/8	Method Blank	68 X	84								
MB 880-1302/9	Method Blank	73	83								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1070/5-A
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		03/30/21 13:10	04/01/21 07:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		03/30/21 13:10	04/01/21 07:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		03/30/21 13:10	04/01/21 07:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		03/30/21 13:10	04/01/21 07:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		03/30/21 13:10	04/01/21 07:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*X*	*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*

Lab Sample ID: MB 880-1096/69
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:08	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:08	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:08	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*X*	*70 - 130*		*04/01/21 20:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*04/01/21 20:08*	*1*

Lab Sample ID: MB 880-1096/8
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 18:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 18:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 18:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 18:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 18:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 18:28	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*X*	*70 - 130*		*03/31/21 18:28*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*03/31/21 18:28*	*1*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-1096/3
Matrix: Water
Analysis Batch: 1096

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	0.09856		mg/L		99	70 - 130		
Toluene			0.100	0.1082		mg/L		108	70 - 130		
Ethylbenzene			0.100	0.1024		mg/L		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2091		mg/L		105	70 - 130		
o-Xylene			0.100	0.1134		mg/L		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCS 880-1096/64
Matrix: Water
Analysis Batch: 1096

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	0.09503		mg/L		95	70 - 130		
Toluene			0.100	0.09979		mg/L		100	70 - 130		
Ethylbenzene			0.100	0.09228		mg/L		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1856		mg/L		93	70 - 130		
o-Xylene			0.100	0.1014		mg/L		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-1096/4
Matrix: Water
Analysis Batch: 1096

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	0.09825		mg/L		98	70 - 130	0	20
Toluene			0.100	0.1092		mg/L		109	70 - 130	1	20
Ethylbenzene			0.100	0.1014		mg/L		101	70 - 130	1	20
m-Xylene & p-Xylene			0.200	0.2073		mg/L		104	70 - 130	1	20
o-Xylene			0.100	0.1128		mg/L		113	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-1096/65
Matrix: Water
Analysis Batch: 1096

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	0.09041		mg/L		90	70 - 130	5	20
Toluene			0.100	0.09880		mg/L		99	70 - 130	1	20
Ethylbenzene			0.100	0.09219		mg/L		92	70 - 130	0	20

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-1096/65
Matrix: Water
Analysis Batch: 1096

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
m-Xylene & p-Xylene			0.200	0.1878		mg/L		94	70 - 130	1	20
o-Xylene			0.100	0.1063		mg/L		106	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-432-7 MS
Matrix: Water
Analysis Batch: 1096

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	<0.00200	U	0.100	0.09877		mg/L		99	70 - 130
Toluene	<0.00200	U	0.100	0.09040		mg/L		90	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09600		mg/L		96	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1972		mg/L		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.1097		mg/L		110	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-432-7 MSD
Matrix: Water
Analysis Batch: 1096

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	<0.00200	U	0.100	0.09792		mg/L		98	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.08822		mg/L		88	70 - 130	2	25
Ethylbenzene	<0.00200	U	0.100	0.09519		mg/L		95	70 - 130	1	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1938		mg/L		97	70 - 130	2	25
o-Xylene	<0.00200	U	0.100	0.1073		mg/L		107	70 - 130	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-1302/9
Matrix: Water
Analysis Batch: 1302

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/05/21 12:07	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/05/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/05/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/05/21 12:07	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/05/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/05/21 12:07	1

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

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

Lab Sample ID: MB 880-1302/9
Matrix: Water
Analysis Batch: 1302

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/05/21 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*		*04/05/21 12:07*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*		*04/05/21 12:07*	*1*

Lab Sample ID: LCS 880-1302/3
Matrix: Water
Analysis Batch: 1302

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	0.08980		mg/L		90	70 - 130		
Toluene			0.100	0.09818		mg/L		98	70 - 130		
Ethylbenzene			0.100	0.09316		mg/L		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1878		mg/L		94	70 - 130		
o-Xylene			0.100	0.1008		mg/L		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-1302/4
Matrix: Water
Analysis Batch: 1302

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	0.09485		mg/L		95	70 - 130	5	20
Toluene			0.100	0.1023		mg/L		102	70 - 130	4	20
Ethylbenzene			0.100	0.09811		mg/L		98	70 - 130	5	20
m-Xylene & p-Xylene			0.200	0.1993		mg/L		100	70 - 130	6	20
o-Xylene			0.100	0.1089		mg/L		109	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

GC VOA

Prep Batch: 1070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1070/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 1096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-432-1	MW-28	Total/NA	Water	8021B	
890-432-2	MW-25	Total/NA	Water	8021B	
890-432-3	MW-31	Total/NA	Water	8021B	
890-432-4	MW-7	Total/NA	Water	8021B	
890-432-5	MW-33	Total/NA	Water	8021B	
890-432-6	MW-23	Total/NA	Water	8021B	
890-432-7	MW-24	Total/NA	Water	8021B	
890-432-8	MW-32	Total/NA	Water	8021B	
890-432-9	MW-21	Total/NA	Water	8021B	
MB 880-1070/5-A	Method Blank	Total/NA	Water	8021B	1070
MB 880-1096/69	Method Blank	Total/NA	Water	8021B	
MB 880-1096/8	Method Blank	Total/NA	Water	8021B	
LCS 880-1096/3	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-1096/64	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1096/4	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-1096/65	Lab Control Sample Dup	Total/NA	Water	8021B	
890-432-7 MS	MW-24	Total/NA	Water	8021B	
890-432-7 MSD	MW-24	Total/NA	Water	8021B	

Analysis Batch: 1302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-432-9	MW-21	Total/NA	Water	8021B	
MB 880-1302/9	Method Blank	Total/NA	Water	8021B	
LCS 880-1302/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1302/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Client Sample ID: MW-28
Date Collected: 03/25/21 08:40
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 02:03	MR	XM

Client Sample ID: MW-25
Date Collected: 03/25/21 10:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 02:28	MR	XM

Client Sample ID: MW-31
Date Collected: 03/25/21 10:34
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 02:54	MR	XM

Client Sample ID: MW-7
Date Collected: 03/25/21 10:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 03:19	MR	XM

Client Sample ID: MW-33
Date Collected: 03/25/21 09:32
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 03:44	MR	XM

Client Sample ID: MW-23
Date Collected: 03/25/21 11:20
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 04:09	MR	XM

Client Sample ID: MW-24
Date Collected: 03/25/21 11:45
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 20:33	MR	XM

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Client Sample ID: MW-32

Date Collected: 03/25/21 11:43
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 20:58	MR	XM

Client Sample ID: MW-21

Date Collected: 03/25/21 11:20
Date Received: 03/25/21 13:32

Lab Sample ID: 890-432-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	1096	04/02/21 00:18	MR	XM
Total/NA	Analysis	8021B		100	1302	04/05/21 16:20	MR	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
5030B	Purge and Trap	SW846	XM

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-432-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-432-1	MW-28	Water	03/25/21 08:40	03/25/21 13:32	
890-432-2	MW-25	Water	03/25/21 10:30	03/25/21 13:32	
890-432-3	MW-31	Water	03/25/21 10:34	03/25/21 13:32	
890-432-4	MW-7	Water	03/25/21 10:00	03/25/21 13:32	
890-432-5	MW-33	Water	03/25/21 09:32	03/25/21 13:32	
890-432-6	MW-23	Water	03/25/21 11:20	03/25/21 13:32	
890-432-7	MW-24	Water	03/25/21 11:45	03/25/21 13:32	
890-432-8	MW-32	Water	03/25/21 11:43	03/25/21 13:32	
890-432-9	MW-21	Water	03/25/21 11:20	03/25/21 13:32	

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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: _____

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction	Turn Around	
Project Number:	700376.052.11	☑ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	RoyBell, Brandon	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.0

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX	Sample Comments
MW-28	GW	3/25/21	8:40	N/A		3	X	Email Analytical to: Camille Bryant
MW-25			10:30					
MW-31			10:34					
MW-7			10:00					
MW-33			9:32					
MW-23			11:20					
MW-24			11:45					
MW-32			11:43					
MW-21			11:20					

890-432 Chain of Custody

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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3-25-21 1332	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-132 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-432-1
Address: 1211 W Florida Ave	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days)			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Hobbs Junction	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	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	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-28 (890-432-1)	3/25/21	08 40 Mountain		Water			X	3	
MW-25 (890-432-2)	3/25/21	10 30 Mountain		Water			X	3	
MW-31 (890-432-3)	3/25/21	10 34 Mountain		Water			X	3	
MW-7 (890-432-4)	3/25/21	10 00 Mountain		Water			X	3	
MW-33 (890-432-5)	3/25/21	09 32 Mountain		Water			X	3	
MW-23 (890-432-6)	3/25/21	11 20 Mountain		Water			X	3	
MW-24 (890-432-7)	3/25/21	11 45 Mountain		Water			X	2	
MW-32 (890-432-8)	3/25/21	11 43 Mountain		Water			X	3	
MW-21 (890-432-9)	3/25/21	11 20 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: Cloe Cafferty 3.25.21	Date/Time:	Company	Received by:	Date/Time: 3/26/21 11:30am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-432-1
SDG Number: Hobbs NM

Login Number: 432
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-432-1
SDG Number: Hobbs NM

Login Number: 432
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/26/21 11:58 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?	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	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-441-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: Hobb Junction

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKramer

Authorized for release by:
4/2/2021 11:02:06 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Hobb Junction

Laboratory Job ID: 890-441-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

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: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Job ID: 890-441-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-441-1

Receipt
The samples were received on 3/26/2021 12:10 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 1.0°C

GC VOA
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: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Client Sample ID: MW-13

Lab Sample ID: 890-441-1
Date Collected: 03/26/21 08:30
Matrix: Water
Date Received: 03/26/21 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 23:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 23:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 23:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 23:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 23:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 23:28	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*04/01/21 23:28*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*04/01/21 23:28*	*1*

Client Sample ID: MW-18

Lab Sample ID: 890-441-2
Date Collected: 03/26/21 09:00
Matrix: Water
Date Received: 03/26/21 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 23:53	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 23:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 23:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 23:53	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 23:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 23:53	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/01/21 23:53*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*04/01/21 23:53*	*1*

Client Sample ID: MW-22

Lab Sample ID: 890-441-3
Date Collected: 03/26/21 09:30
Matrix: Water
Date Received: 03/26/21 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0545**		0.00200	0.000408	mg/L			04/02/21 02:00	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 02:00	1
Ethylbenzene	**0.0305**		0.00200	0.000657	mg/L			04/02/21 02:00	1
m-Xylene & p-Xylene	**0.000739**	**J**	0.00400	0.000629	mg/L			04/02/21 02:00	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 02:00	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 02:00	1
Total BTEX	**0.0857**		0.00200	0.00100	mg/L			04/02/21 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*04/02/21 02:00*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*04/02/21 02:00*	*1*

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-441-1	MW-13	100	101										
890-441-2	MW-18	108	102										
890-441-3	MW-22	112	96										
LCS 880-1096/64	Lab Control Sample	88	104										
LCSD 880-1096/65	Lab Control Sample Dup	103	108										
MB 880-1070/5-A	Method Blank	66 X	85										
MB 880-1096/69	Method Blank	67 X	86										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1070/5-A
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		03/30/21 13:10	04/01/21 07:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		03/30/21 13:10	04/01/21 07:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		03/30/21 13:10	04/01/21 07:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		03/30/21 13:10	04/01/21 07:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		03/30/21 13:10	04/01/21 07:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*X*	*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*

Lab Sample ID: MB 880-1096/69
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:08	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:08	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:08	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*X*	*70 - 130*		*04/01/21 20:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*04/01/21 20:08*	*1*

Lab Sample ID: LCS 880-1096/64
Matrix: Water
Analysis Batch: 1096

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	0.09503		mg/L		95	70 - 130
Toluene	0.100	0.09979		mg/L		100	70 - 130
Ethylbenzene	0.100	0.09228		mg/L		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1856		mg/L		93	70 - 130
o-Xylene	0.100	0.1014		mg/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-1096/65
Matrix: Water
Analysis Batch: 1096

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	0.09041		mg/L		90	70 - 130	5	20
Toluene			0.100	0.09880		mg/L		99	70 - 130	1	20
Ethylbenzene			0.100	0.09219		mg/L		92	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.1878		mg/L		94	70 - 130	1	20
o-Xylene			0.100	0.1063		mg/L		106	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

GC VOA

Prep Batch: 1070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1070/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 1096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-441-1	MW-13	Total/NA	Water	8021B	
890-441-2	MW-18	Total/NA	Water	8021B	
890-441-3	MW-22	Total/NA	Water	8021B	
MB 880-1070/5-A	Method Blank	Total/NA	Water	8021B	1070
MB 880-1096/69	Method Blank	Total/NA	Water	8021B	
LCS 880-1096/64	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1096/65	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Client Sample ID: MW-13
Date Collected: 03/26/21 08:30
Date Received: 03/26/21 12:10

Lab Sample ID: 890-441-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 23:28	MR	XM

Client Sample ID: MW-18
Date Collected: 03/26/21 09:00
Date Received: 03/26/21 12:10

Lab Sample ID: 890-441-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 23:53	MR	XM

Client Sample ID: MW-22
Date Collected: 03/26/21 09:30
Date Received: 03/26/21 12:10

Lab Sample ID: 890-441-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/02/21 02:00	MR	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
5030B	Purge and Trap	SW846	XM

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Hobb Junction

Job ID: 890-441-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-441-1	MW-13	Water	03/26/21 08:30	03/26/21 12:10	
890-441-2	MW-18	Water	03/26/21 09:00	03/26/21 12:10	
890-441-3	MW-22	Water	03/26/21 09:30	03/26/21 12:10	

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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: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

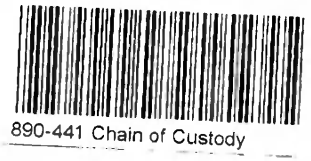
Project Name:	Hobb Junction	Turn Around	
Project Number:	700376.052.11	☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roy Bell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-07	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.6	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX	Sample Comments
MW-13	GW	3/26/21	8:30	N/A		3	X	Email Analyticals to: Camille Bryant
MW-18	"	"	9:00	"		"	"	
MW-22	"	"	9:30	"		"	"	



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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Roy Bell	Ola Cuff	3-26-21 1210	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-135 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-441-1
Address: 1211 W Florida Ave	Due Date Requested: 4/1/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Hobb Junction	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B - NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F - MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J - DI Water, K EDTA, L - EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V - MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-13 (890-441-1)	3/26/21	08 30 Mountain		Water			X	3	
MW-18 (890-441-2)	3/26/21	09 00 Mountain		Water			X	3	
MW-22 (890-441-3)	3/26/21	09 30 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II, III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Joe Clifton 3.26.21	Date/Time:	Company	Received by:	Date/Time: 3/29/21 11.30 a.m	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact. ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-441-1
SDG Number: Hobbs NM

Login Number: 441
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-441-1
SDG Number: Hobbs NM

Login Number: 441
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/29/21 12:01 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?	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	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-855-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: Hobbs Junction Main Line

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
6/29/2021 2:35:52 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Laboratory Job ID: 890-855-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
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 Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Job ID: 890-855-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-855-1

Receipt
The samples were received on 6/22/2021 3:34 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 1.2°C

GC VOA
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 Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-28

Lab Sample ID: 890-855-1
Matrix: Water
Date Collected: 06/22/21 08:40
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/24/21 16:39	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 16:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/24/21 16:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 16:39	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 16:39	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 16:39	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/24/21 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*06/24/21 16:39*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*06/24/21 16:39*	*1*

Client Sample ID: MW-7

Lab Sample ID: 890-855-2
Matrix: Water
Date Collected: 06/22/21 08:40
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000553**	**J B**	0.00200	0.000408	mg/L			06/24/21 16:59	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 16:59	1
Ethylbenzene	**0.000699**	**J**	0.00200	0.000657	mg/L			06/24/21 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 16:59	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 16:59	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 16:59	1
Total BTEX	**0.00125**	**J B**	0.00400	0.000657	mg/L			06/24/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/24/21 16:59*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*		*06/24/21 16:59*	*1*

Client Sample ID: MW-33

Lab Sample ID: 890-855-3
Matrix: Water
Date Collected: 06/22/21 09:00
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000636**	**J B**	0.00200	0.000408	mg/L			06/24/21 17:20	1
Toluene	**0.000647**	**J**	0.00200	0.000367	mg/L			06/24/21 17:20	1
Ethylbenzene	**0.000870**	**J**	0.00200	0.000657	mg/L			06/24/21 17:20	1
m-Xylene & p-Xylene	**0.000764**	**J**	0.00400	0.000629	mg/L			06/24/21 17:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 17:20	1
Xylenes, Total	**0.000764**	**J B**	0.00400	0.000642	mg/L			06/24/21 17:20	1
Total BTEX	**0.00292**	**J B**	0.00400	0.000657	mg/L			06/24/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/24/21 17:20*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*06/24/21 17:20*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-23

Lab Sample ID: 890-855-4
Matrix: Water
Date Collected: 06/22/21 09:50
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000928**	**J B**	0.00200	0.000408	mg/L			06/24/21 18:42	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 18:42	1
Ethylbenzene	**0.000660**	**J**	0.00200	0.000657	mg/L			06/24/21 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 18:42	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 18:42	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 18:42	1
Total BTEX	**0.00159**	**J B**	0.00400	0.000657	mg/L			06/24/21 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/24/21 18:42*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*06/24/21 18:42*	*1*

Client Sample ID: MW-32

Lab Sample ID: 890-855-5
Matrix: Water
Date Collected: 06/22/21 10:10
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/24/21 19:02	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 19:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/24/21 19:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 19:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 19:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 19:02	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/24/21 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/24/21 19:02*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*06/24/21 19:02*	*1*

Client Sample ID: MW-22

Lab Sample ID: 890-855-6
Matrix: Water
Date Collected: 06/22/21 10:30
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00114**	**J B**	0.00200	0.000408	mg/L			06/24/21 19:23	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 19:23	1
Ethylbenzene	**0.00172**	**J**	0.00200	0.000657	mg/L			06/24/21 19:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 19:23	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 19:23	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 19:23	1
Total BTEX	**0.00286**	**J B**	0.00400	0.000657	mg/L			06/24/21 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*06/24/21 19:23*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*06/24/21 19:23*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-21

Lab Sample ID: 890-855-7
Matrix: Water
Date Collected: 06/22/21 10:40
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0383**	**B**	0.00200	0.000408	mg/L			06/24/21 19:44	1
Toluene	**0.000559**	**J**	0.00200	0.000367	mg/L			06/24/21 19:44	1
Ethylbenzene	**0.390**		0.00200	0.000657	mg/L			06/24/21 19:44	1
m-Xylene & p-Xylene	**0.0624**		0.00400	0.000629	mg/L			06/24/21 19:44	1
o-Xylene	**0.000727**	**J B**	0.00200	0.000642	mg/L			06/24/21 19:44	1
Xylenes, Total	**0.0631**	**B**	0.00400	0.000642	mg/L			06/24/21 19:44	1
Total BTEX	**0.492**	**B**	0.00400	0.000657	mg/L			06/24/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/24/21 19:44*	*1*
1,4-Difluorobenzene (Surr)	*163*	*S1+*	*70 - 130*		*06/24/21 19:44*	*1*

Client Sample ID: MW-24

Lab Sample ID: 890-855-8
Matrix: Water
Date Collected: 06/22/21 10:50
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0195**	**B**	0.00200	0.000408	mg/L			06/24/21 20:04	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 20:04	1
Ethylbenzene	**0.000929**	**J**	0.00200	0.000657	mg/L			06/24/21 20:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 20:04	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 20:04	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 20:04	1
Total BTEX	**0.0204**	**B**	0.00400	0.000657	mg/L			06/24/21 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/24/21 20:04*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*06/24/21 20:04*	*1*

Client Sample ID: MW-31

Lab Sample ID: 890-855-9
Matrix: Water
Date Collected: 06/22/21 11:05
Date Received: 06/22/21 15:34

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00146**	**J B**	0.00200	0.000408	mg/L			06/24/21 20:25	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 20:25	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/24/21 20:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 20:25	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 20:25	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 20:25	1
Total BTEX	**0.00146**	**J B**	0.00400	0.000657	mg/L			06/24/21 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*06/24/21 20:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*06/24/21 20:25*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-25

Date Collected: 06/22/21 11:15
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-10

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00431**	**B**	0.00200	0.000408	mg/L			06/24/21 20:45	1
Toluene	**0.000407**	**J**	0.00200	0.000367	mg/L			06/24/21 20:45	1
Ethylbenzene	**0.0478**		0.00200	0.000657	mg/L			06/24/21 20:45	1
m-Xylene & p-Xylene	**0.0141**		0.00400	0.000629	mg/L			06/24/21 20:45	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 20:45	1
Xylenes, Total	**0.0141**	**B**	0.00400	0.000642	mg/L			06/24/21 20:45	1
Total BTEX	**0.0666**	**B**	0.00400	0.000657	mg/L			06/24/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*06/24/21 20:45*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*06/24/21 20:45*	*1*

Client Sample ID: MW-18

Date Collected: 06/22/21 11:20
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-11

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00266**	**B**	0.00200	0.000408	mg/L			06/24/21 21:06	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 21:06	1
Ethylbenzene	**0.000696**	**J**	0.00200	0.000657	mg/L			06/24/21 21:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 21:06	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 21:06	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 21:06	1
Total BTEX	**0.00336**	**J B**	0.00400	0.000657	mg/L			06/24/21 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/24/21 21:06*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*		*06/24/21 21:06*	*1*

Client Sample ID: MW-13

Date Collected: 06/22/21 11:40
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-12

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/24/21 21:27	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 21:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/24/21 21:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 21:27	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/24/21 21:27	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/24/21 21:27	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/24/21 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*06/24/21 21:27*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*		*06/24/21 21:27*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs 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)										
890-855-1	MW-28	108	110										
890-855-2	MW-7	105	109										
890-855-3	MW-33	99	93										
890-855-4	MW-23	95	106										
890-855-5	MW-32	104	108										
890-855-6	MW-22	127	131 S1+										
890-855-7	MW-21	110	163 S1+										
890-855-8	MW-24	91	88										
890-855-9	MW-31	116	95										
890-855-10	MW-25	107	108										
890-855-11	MW-18	110	115										
890-855-12	MW-13	120	120										
LCS 880-4573/3	Lab Control Sample	99	106										
LCSD 880-4573/4	Lab Control Sample Dup	100	107										
MB 880-4573/9	Method Blank	111	96										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4573/9
Matrix: Water
Analysis Batch: 4573

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0008846	J	0.00200	0.000408	mg/L			06/24/21 13:53	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/24/21 13:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/24/21 13:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/24/21 13:53	1
o-Xylene	0.001160	J	0.00200	0.000642	mg/L			06/24/21 13:53	1
Xylenes, Total	0.001160	J	0.00400	0.000642	mg/L			06/24/21 13:53	1
Total BTEX	0.002045	J	0.00400	0.000657	mg/L			06/24/21 13:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*06/24/21 13:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*06/24/21 13:53*	*1*

Lab Sample ID: LCS 880-4573/3
Matrix: Water
Analysis Batch: 4573

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	0.08355		mg/L		84	70 - 130		
Toluene			0.100	0.09332		mg/L		93	70 - 130		
Ethylbenzene			0.100	0.1014		mg/L		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.1724		mg/L		86	70 - 130		
o-Xylene			0.100	0.09655		mg/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-4573/4
Matrix: Water
Analysis Batch: 4573

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	0.09354		mg/L		94	70 - 130	11	20
Toluene			0.100	0.09615		mg/L		96	70 - 130	3	20
Ethylbenzene			0.100	0.09738		mg/L		97	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.1703		mg/L		85	70 - 130	1	20
o-Xylene			0.100	0.1003		mg/L		100	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

GC VOA

Analysis Batch: 4573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-855-1	MW-28	Total/NA	Water	8021B	
890-855-2	MW-7	Total/NA	Water	8021B	
890-855-3	MW-33	Total/NA	Water	8021B	
890-855-4	MW-23	Total/NA	Water	8021B	
890-855-5	MW-32	Total/NA	Water	8021B	
890-855-6	MW-22	Total/NA	Water	8021B	
890-855-7	MW-21	Total/NA	Water	8021B	
890-855-8	MW-24	Total/NA	Water	8021B	
890-855-9	MW-31	Total/NA	Water	8021B	
890-855-10	MW-25	Total/NA	Water	8021B	
890-855-11	MW-18	Total/NA	Water	8021B	
890-855-12	MW-13	Total/NA	Water	8021B	
MB 880-4573/9	Method Blank	Total/NA	Water	8021B	
LCS 880-4573/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-4573/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-28
Date Collected: 06/22/21 08:40
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-1
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	4573	06/24/21 16:39	KL	XEN MID

Client Sample ID: MW-7
Date Collected: 06/22/21 08:40
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-2
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	8021B		1	5 mL	5 mL	4573	06/24/21 16:59	KL	XEN MID

Client Sample ID: MW-33
Date Collected: 06/22/21 09:00
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-3
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	4573	06/24/21 17:20	KL	XEN MID

Client Sample ID: MW-23
Date Collected: 06/22/21 09:50
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-4
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	4573	06/24/21 18:42	KL	XEN MID

Client Sample ID: MW-32
Date Collected: 06/22/21 10:10
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-5
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	4573	06/24/21 19:02	KL	XEN MID

Client Sample ID: MW-22
Date Collected: 06/22/21 10:30
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-6
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	4573	06/24/21 19:23	KL	XEN MID

Client Sample ID: MW-21
Date Collected: 06/22/21 10:40
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-7
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	4573	06/24/21 19:44	KL	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Client Sample ID: MW-24
Date Collected: 06/22/21 10:50
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-8
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	4573	06/24/21 20:04	KL	XEN MID

Client Sample ID: MW-31
Date Collected: 06/22/21 11:05
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-9
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	4573	06/24/21 20:25	KL	XEN MID

Client Sample ID: MW-25
Date Collected: 06/22/21 11:15
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-10
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	4573	06/24/21 20:45	KL	XEN MID

Client Sample ID: MW-18
Date Collected: 06/22/21 11:20
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-11
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	4573	06/24/21 21:06	KL	XEN MID

Client Sample ID: MW-13
Date Collected: 06/22/21 11:40
Date Received: 06/22/21 15:34

Lab Sample ID: 890-855-12
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	4573	06/24/21 21:27	KL	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Main Line

Job ID: 890-855-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-855-1	MW-28	Water	06/22/21 08:40	06/22/21 15:34	
890-855-2	MW-7	Water	06/22/21 08:40	06/22/21 15:34	
890-855-3	MW-33	Water	06/22/21 09:00	06/22/21 15:34	
890-855-4	MW-23	Water	06/22/21 09:50	06/22/21 15:34	
890-855-5	MW-32	Water	06/22/21 10:10	06/22/21 15:34	
890-855-6	MW-22	Water	06/22/21 10:30	06/22/21 15:34	
890-855-7	MW-21	Water	06/22/21 10:40	06/22/21 15:34	
890-855-8	MW-24	Water	06/22/21 10:50	06/22/21 15:34	
890-855-9	MW-31	Water	06/22/21 11:05	06/22/21 15:34	
890-855-10	MW-25	Water	06/22/21 11:15	06/22/21 15:34	
890-855-11	MW-18	Water	06/22/21 11:20	06/22/21 15:34	
890-855-12	MW-13	Water	06/22/21 11:40	06/22/21 15:34	

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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: 855

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction Main.	Turn Around	
Project Number:		☒ Routine ☐ Rush	Pres. Code
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roy B., James C.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2003-00017		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.4	
Total Containers:		Corrected Temperature:	1.2	

ANALYSIS REQUEST

Parameters: BTEX 8021B

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	Sample Comments
MW-28	GW	6/22/21	8:40	N/A		3	X	Email Analyticals to: CJBryant@paalp.com AlGroves@paalp.com MaOchoa@paalp.com
MW-7			8:40					
MW-33			9:00					
MW-23			9:50					
MW-32			10:10					
MW-22			10:30					
MW-21			10:40					
MW-24			10:50					
MW-31			11:05					
MW-25			11:15					

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 SiO_2 Na Sr Tl 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 Tl 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)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 James Cruz	N. Ortiz	6/22/21 3:34	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobb Junction Mainline	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roy B., James C.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS#2003-00017		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NA-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	Sample Comments
MW-18	GW	6/22/21	11:20	N/A		3	X	Email Analyticals to: CJBryant@paalp.com, AlGroves@paalp.com, MaOchoa@paalp.com
MW-13	GW	6/22/21	11:40	N/A		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 Mn Mo Ni K Se Ag SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 James Cruz	N. Otero	6/22/21 3:33	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-855-1
SDG Number: Hobbs NM

Login Number: 855
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

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").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1297-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Hobbs Junction
Revision: 1

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKramer

Authorized for release by:
10/5/2021 2:56:23 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Hobbs Junction

Laboratory Job ID: 890-1297-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
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

Job ID: 890-1297-1
SDG: Lea County NM

Job ID: 890-1297-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1297-1

REVISION

The report being provided is a revision of the original report sent on 9/30/2021. The report (revision 1) is being revised due to Per client email, requesting lab to review BTEX data for MW-28, MW-25 and MW-21.

Report revision history

Receipt
The samples were received on 9/22/2021 8:12 AM. 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 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-8514 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-21 (890-1297-5) and (MB 880-8514/8). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-8777 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-7
Date Collected: 09/21/21 10:15
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-1
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200	0.000408	mg/L			09/28/21 23:42	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/28/21 23:42	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/28/21 23:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/28/21 23:42	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/28/21 23:42	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/28/21 23:42	1
Methyl tert-butyl ether	<0.0100	U F2	0.0100	0.00258	mg/L			09/28/21 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*09/28/21 23:42*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/28/21 23:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-13
Date Collected: 09/21/21 13:20
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00723**		0.00200	0.000408	mg/L			09/29/21 09:49	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 09:49	1
Ethylbenzene	**0.00609**		0.00200	0.000657	mg/L			09/29/21 09:49	1
m-Xylene & p-Xylene	**0.00130**	**J**	0.00400	0.000629	mg/L			09/29/21 09:49	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 09:49	1
Xylenes, Total	**0.00130**	**J**	0.00400	0.000642	mg/L			09/29/21 09:49	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*09/29/21 09:49*	*1*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/29/21 09:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0146**		0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-18
Date Collected: 09/21/21 13:00
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 05:32	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 05:32	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/29/21 05:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 05:32	1

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-18

Date Collected: 09/21/21 13:00
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 05:32	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 05:32	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*09/29/21 05:32*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/29/21 05:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-19

Date Collected: 09/21/21 12:40
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00810**		0.00200	0.000408	mg/L			09/29/21 08:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 08:37	1
Ethylbenzene	**0.0634**		0.00200	0.000657	mg/L			09/29/21 08:37	1
m-Xylene & p-Xylene	**0.00676**		0.00400	0.000629	mg/L			09/29/21 08:37	1
o-Xylene	**0.000923**	**J**	0.00200	0.000642	mg/L			09/29/21 08:37	1
Xylenes, Total	**0.00768**		0.00400	0.000642	mg/L			09/29/21 08:37	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*09/29/21 08:37*	*1*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*09/29/21 08:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0792**		0.00200	0.00100	mg/L			09/30/21 19:38	1

Client Sample ID: MW-21

Date Collected: 09/21/21 11:40
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**5.17**		0.100	0.0204	mg/L			10/04/21 14:22	50
Toluene	<0.100	U	0.100	0.0184	mg/L			10/04/21 14:22	50
Ethylbenzene	**1.52**		0.100	0.0329	mg/L			10/04/21 14:22	50
m-Xylene & p-Xylene	**0.332**		0.200	0.0315	mg/L			10/04/21 14:22	50
o-Xylene	**0.0519**	**J**	0.100	0.0321	mg/L			10/04/21 14:22	50
Xylenes, Total	**0.384**		0.200	0.0321	mg/L			10/04/21 14:22	50
Methyl tert-butyl ether	<0.500	U	0.500	0.129	mg/L			10/04/21 14:22	50

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-21
Date Collected: 09/21/21 11:40
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*10/04/21 14:22*	*50*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*10/04/21 14:22*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**7.07**		0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-22
Date Collected: 09/21/21 11:15
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-6
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 05:58	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 05:58	1
Ethylbenzene	**0.00963**		0.00200	0.000657	mg/L			09/29/21 05:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 05:58	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 05:58	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 05:58	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*09/29/21 05:58*	*1*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/29/21 05:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00963**		0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-23
Date Collected: 09/21/21 10:05
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-7
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 06:24	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 06:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/29/21 06:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 06:24	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 06:24	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 06:24	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*09/29/21 06:24*	*1*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*09/29/21 06:24*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-23
Date Collected: 09/21/21 10:05
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-7
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-24
Date Collected: 09/21/21 10:50
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-8
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 06:50	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 06:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/29/21 06:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 06:50	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 06:50	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 06:50	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*09/29/21 06:50*	*1*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*09/29/21 06:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-25
Date Collected: 09/21/21 12:55
Date Received: 09/22/21 08:12
Sample Depth: N/A

Lab Sample ID: 890-1297-9
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.833**		0.200	0.0408	mg/L			09/29/21 15:06	100
Toluene	**0.000406**	**J**	0.00200	0.000367	mg/L			09/29/21 07:17	1
Ethylbenzene	**0.130**		0.00200	0.000657	mg/L			09/29/21 07:17	1
m-Xylene & p-Xylene	**0.0770**		0.00400	0.000629	mg/L			09/29/21 07:17	1
o-Xylene	**0.0270**		0.00200	0.000642	mg/L			09/29/21 07:17	1
Xylenes, Total	**0.104**		0.00400	0.000642	mg/L			09/29/21 07:17	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*		*09/29/21 07:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/29/21 07:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**1.07**		0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-28

Lab Sample ID: 890-1297-10
Matrix: Water
Date Collected: 09/21/21 11:35
Date Received: 09/22/21 08:12
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			10/04/21 13:29	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			10/04/21 13:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			10/04/21 13:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			10/04/21 13:29	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			10/04/21 13:29	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			10/04/21 13:29	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			10/04/21 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*10/04/21 13:29*	*1*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*		*10/04/21 13:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-31

Lab Sample ID: 890-1297-11
Matrix: Water
Date Collected: 09/21/21 12:20
Date Received: 09/22/21 08:12
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 08:10	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 08:10	1
Ethylbenzene	**0.000816**	**J**	0.00200	0.000657	mg/L			09/29/21 08:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 08:10	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 08:10	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 08:10	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*09/29/21 08:10*	*1*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/29/21 08:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			09/30/21 09:33	1

Client Sample ID: MW-32

Lab Sample ID: 890-1297-12
Matrix: Water
Date Collected: 09/21/21 10:30
Date Received: 09/22/21 08:12
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00319**		0.00200	0.000408	mg/L			09/29/21 13:47	1
Toluene	**0.000431**	**J**	0.00200	0.000367	mg/L			09/29/21 13:47	1
Ethylbenzene	**0.00349**		0.00200	0.000657	mg/L			09/29/21 13:47	1
m-Xylene & p-Xylene	**0.00130**	**J**	0.00400	0.000629	mg/L			09/29/21 13:47	1

Client Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-32

Lab Sample ID: 890-1297-12
Matrix: Water
Date Collected: 09/21/21 10:30
Date Received: 09/22/21 08:12
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 13:47	1
Xylenes, Total	**0.00130**	**J**	0.00400	0.000642	mg/L			09/29/21 13:47	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*09/29/21 13:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/29/21 13:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00866**	***+**	0.00200	0.00100	mg/L			09/29/21 13:47	1

Client Sample ID: MW-33

Lab Sample ID: 890-1297-13
Matrix: Water
Date Collected: 09/21/21 11:00
Date Received: 09/22/21 08:12
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 14:13	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 14:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/29/21 14:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 14:13	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 14:13	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 14:13	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*09/29/21 14:13*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/29/21 14:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U *+	0.00200	0.00100	mg/L			09/29/21 14:13	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DFBZ1	BFB1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1297-1	MW-7	96	115
890-1297-1 MS	MW-7	101	113
890-1297-1 MSD	MW-7	92	91
890-1297-2	MW-13	98	115
890-1297-3	MW-18	93	111
890-1297-4	MW-19	93	120
890-1297-5	MW-21	103	125
890-1297-6	MW-22	103	112
890-1297-7	MW-23	105	106
890-1297-8	MW-24	103	91
890-1297-9	MW-25	130	100
890-1297-10	MW-28	101	116
890-1297-11	MW-31	105	108
890-1297-12	MW-32	89	101
890-1297-12 MS	MW-32	105	101
890-1297-12 MSD	MW-32	103	111
890-1297-13	MW-33	105	111
890-1342-A-1 MS	Matrix Spike	106	122
890-1342-A-1 MSD	Matrix Spike Duplicate	103	118
LCS 880-8514/3	Lab Control Sample	99	108
LCS 880-8514/34	Lab Control Sample	107	105
LCS 880-8777/3	Lab Control Sample	101	118
LCSD 880-8514/35	Lab Control Sample Dup	101	107
LCSD 880-8514/4	Lab Control Sample Dup	101	107
LCSD 880-8777/4	Lab Control Sample Dup	84	116
MB 880-8514/39	Method Blank	93	63 S1-
MB 880-8514/8	Method Blank	93	63 S1-
MB 880-8777/8	Method Blank	10 S1-	72

Surrogate Legend

DFBZ = 1,4-Difluorobenzene (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: Total BTEX - Total BTEX Calculation

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB	DFBZ
Lab Sample ID	Client Sample ID		
890-1297-12 MS	MW-32		
890-1297-12 MSD	MW-32		

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8514/39
Matrix: Water
Analysis Batch: 8514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/29/21 13:21	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/29/21 13:21	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/29/21 13:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/29/21 13:21	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/29/21 13:21	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/29/21 13:21	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/29/21 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*09/29/21 13:21*	*1*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*		*09/29/21 13:21*	*1*

Lab Sample ID: MB 880-8514/8
Matrix: Water
Analysis Batch: 8514

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/28/21 23:15	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/28/21 23:15	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/28/21 23:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/28/21 23:15	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/28/21 23:15	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/28/21 23:15	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			09/28/21 23:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*09/28/21 23:15*	*1*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*		*09/28/21 23:15*	*1*

Lab Sample ID: LCS 880-8514/3
Matrix: Water
Analysis Batch: 8514

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	0.07762		mg/L		78	70 - 130
Toluene	0.100	0.08855		mg/L		89	70 - 130
Ethylbenzene	0.100	0.08337		mg/L		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1858		mg/L		93	70 - 130
o-Xylene	0.100	0.09237		mg/L		92	70 - 130
Methyl tert-butyl ether	0.500	0.5632		mg/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-8514/34
Matrix: Water
Analysis Batch: 8514

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	0.08990		mg/L		90	70 - 130		
Toluene			0.100	0.09755		mg/L		98	70 - 130		
Ethylbenzene			0.100	0.09210		mg/L		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1991		mg/L		100	70 - 130		
o-Xylene			0.100	0.1022		mg/L		102	70 - 130		
Methyl tert-butyl ether			0.500	0.5718		mg/L		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-8514/35
Matrix: Water
Analysis Batch: 8514

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	0.08605		mg/L		86	70 - 130	4	20
Toluene			0.100	0.08895		mg/L		89	70 - 130	9	20
Ethylbenzene			0.100	0.08618		mg/L		86	70 - 130	7	20
m-Xylene & p-Xylene			0.200	0.1858		mg/L		93	70 - 130	7	20
o-Xylene			0.100	0.09628		mg/L		96	70 - 130	6	20
Methyl tert-butyl ether			0.500	0.5586		mg/L		112	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-8514/4
Matrix: Water
Analysis Batch: 8514

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	0.08397		mg/L		84	70 - 130	8	20
Toluene			0.100	0.09149		mg/L		91	70 - 130	3	20
Ethylbenzene			0.100	0.08647		mg/L		86	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.1870		mg/L		93	70 - 130	1	20
o-Xylene			0.100	0.09496		mg/L		95	70 - 130	3	20
Methyl tert-butyl ether			0.500	0.5963		mg/L		119	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

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

Lab Sample ID: 890-1297-1 MS
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.100	0.09000		mg/L		90	70 - 130
Toluene	<0.00200	U	0.100	0.1010		mg/L		101	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09684		mg/L		97	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2072		mg/L		104	70 - 130
o-Xylene	<0.00200	U	0.100	0.1047		mg/L		105	70 - 130
Methyl tert-butyl ether	<0.0100	U F2	0.500	0.5941		mg/L		119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 890-1297-1 MSD
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.100	0.06600	F2 F1	mg/L		66	70 - 130	31	25
Toluene	<0.00200	U	0.100	0.07975		mg/L		80	70 - 130	23	25
Ethylbenzene	<0.00200	U	0.100	0.07532		mg/L		75	70 - 130	25	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1619		mg/L		81	70 - 130	25	25
o-Xylene	<0.00200	U	0.100	0.08231		mg/L		82	70 - 130	24	25
Methyl tert-butyl ether	<0.0100	U F2	0.500	0.4470	F2	mg/L		89	70 - 130	28	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 890-1297-12 MS
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00319		0.100	0.07748		mg/L		74	70 - 130
Toluene	0.000431	J	0.100	0.08416		mg/L		84	70 - 130
Ethylbenzene	0.00349		0.100	0.08228		mg/L		79	70 - 130
m-Xylene & p-Xylene	0.00130	J	0.200	0.1756		mg/L		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.09073		mg/L		91	70 - 130
Methyl tert-butyl ether	<0.0100	U	0.500	0.5263		mg/L		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

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

Lab Sample ID: 890-1297-12 MSD
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00319		0.100	0.08391		mg/L		81	70 - 130	8	25
Toluene	0.000431	J	0.100	0.09188		mg/L		91	70 - 130	9	25
Ethylbenzene	0.00349		0.100	0.08960		mg/L		86	70 - 130	9	25
m-Xylene & p-Xylene	0.00130	J	0.200	0.1915		mg/L		95	70 - 130	9	25
o-Xylene	<0.00200	U	0.100	0.09979		mg/L		100	70 - 130	10	25
Methyl tert-butyl ether	<0.0100	U	0.500	0.5809		mg/L		116	70 - 130	10	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: MB 880-8777/8
Matrix: Water
Analysis Batch: 8777

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			10/04/21 12:35	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			10/04/21 12:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			10/04/21 12:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			10/04/21 12:35	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			10/04/21 12:35	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			10/04/21 12:35	1
Methyl tert-butyl ether	<0.0100	U	0.0100	0.00258	mg/L			10/04/21 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*10*	*S1-*	*70 - 130*		*10/04/21 12:35*	*1*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*		*10/04/21 12:35*	*1*

Lab Sample ID: LCS 880-8777/3
Matrix: Water
Analysis Batch: 8777

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	0.09934		mg/L		99	70 - 130
Toluene	0.100	0.1061		mg/L		106	70 - 130
Ethylbenzene	0.100	0.1006		mg/L		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2191		mg/L		110	70 - 130
o-Xylene	0.100	0.1080		mg/L		108	70 - 130
Methyl tert-butyl ether	0.500	0.5845		mg/L		117	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-8777/4
Matrix: Water
Analysis Batch: 8777

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	0.08411		mg/L		84	70 - 130	17	20
Toluene			0.100	0.09684		mg/L		97	70 - 130	9	20
Ethylbenzene			0.100	0.09010		mg/L		90	70 - 130	11	20
m-Xylene & p-Xylene			0.200	0.1935		mg/L		97	70 - 130	12	20
o-Xylene			0.100	0.09646		mg/L		96	70 - 130	11	20
Methyl tert-butyl ether			0.500	0.5268		mg/L		105	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 890-1342-A-1 MS
Matrix: Water
Analysis Batch: 8777

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
Benzene	<0.00200	U	0.100	0.1109		mg/L		111	70 - 130
Toluene	<0.00200	U	0.100	0.1194		mg/L		119	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1132		mg/L		113	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2468		mg/L		123	70 - 130
o-Xylene	<0.00200	U	0.100	0.1218		mg/L		122	70 - 130
Methyl tert-butyl ether	<0.0100	U F1	0.500	0.6259		mg/L		125	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: 890-1342-A-1 MSD
Matrix: Water
Analysis Batch: 8777

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
Benzene	<0.00200	U	0.100	0.1151		mg/L		115	70 - 130	4	25
Toluene	<0.00200	U	0.100	0.1264		mg/L		126	70 - 130	6	25
Ethylbenzene	<0.00200	U	0.100	0.1189		mg/L		119	70 - 130	5	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2579		mg/L		129	70 - 130	4	25
o-Xylene	<0.00200	U	0.100	0.1285		mg/L		129	70 - 130	5	25
Methyl tert-butyl ether	<0.0100	U F1	0.500	0.6891	F1	mg/L		138	70 - 130	10	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Method: Total BTEX - Total BTEX Calculation

Lab Sample ID: 890-1297-12 MS
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-32
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene (Surr)			
4-Bromofluorobenzene (Surr)			

Lab Sample ID: 890-1297-12 MSD
Matrix: Water
Analysis Batch: 8514

Client Sample ID: MW-32
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,4-Difluorobenzene (Surr)			
4-Bromofluorobenzene (Surr)			

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

GC VOA

Analysis Batch: 8514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1297-1	MW-7	Total/NA	Water	8021B	
890-1297-2	MW-13	Total/NA	Water	8021B	
890-1297-3	MW-18	Total/NA	Water	8021B	
890-1297-4	MW-19	Total/NA	Water	8021B	
890-1297-6	MW-22	Total/NA	Water	8021B	
890-1297-7	MW-23	Total/NA	Water	8021B	
890-1297-8	MW-24	Total/NA	Water	8021B	
890-1297-9	MW-25	Total/NA	Water	8021B	
890-1297-9	MW-25	Total/NA	Water	8021B	
890-1297-11	MW-31	Total/NA	Water	8021B	
890-1297-12	MW-32	Total/NA	Water	8021B	
890-1297-12	MW-32	Total/NA	Water	Total BTEX	
890-1297-13	MW-33	Total/NA	Water	8021B	
890-1297-13	MW-33	Total/NA	Water	Total BTEX	
MB 880-8514/39	Method Blank	Total/NA	Water	8021B	
MB 880-8514/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8514/3	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-8514/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8514/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-8514/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1297-1 MS	MW-7	Total/NA	Water	8021B	
890-1297-1 MSD	MW-7	Total/NA	Water	8021B	
890-1297-12 MS	MW-32	Total/NA	Water	8021B	
890-1297-12 MS	MW-32	Total/NA	Water	Total BTEX	
890-1297-12 MSD	MW-32	Total/NA	Water	8021B	
890-1297-12 MSD	MW-32	Total/NA	Water	Total BTEX	

Analysis Batch: 8640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1297-1	MW-7	Total/NA	Water	Total BTEX	
890-1297-2	MW-13	Total/NA	Water	Total BTEX	
890-1297-3	MW-18	Total/NA	Water	Total BTEX	
890-1297-5	MW-21	Total/NA	Water	Total BTEX	
890-1297-6	MW-22	Total/NA	Water	Total BTEX	
890-1297-7	MW-23	Total/NA	Water	Total BTEX	
890-1297-8	MW-24	Total/NA	Water	Total BTEX	
890-1297-9	MW-25	Total/NA	Water	Total BTEX	
890-1297-10	MW-28	Total/NA	Water	Total BTEX	
890-1297-11	MW-31	Total/NA	Water	Total BTEX	

Analysis Batch: 8694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1297-4	MW-19	Total/NA	Water	Total BTEX	

Analysis Batch: 8777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1297-5	MW-21	Total/NA	Water	8021B	
890-1297-10	MW-28	Total/NA	Water	8021B	
MB 880-8777/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8777/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8777/4	Lab Control Sample Dup	Total/NA	Water	8021B	

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 8777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1342-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-1342-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-7
Date Collected: 09/21/21 10:15
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-1
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	8514	09/28/21 23:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-13
Date Collected: 09/21/21 13:20
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-2
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	8021B		1	5 mL	5 mL	8514	09/29/21 09:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-18
Date Collected: 09/21/21 13:00
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-3
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	8514	09/29/21 05:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-19
Date Collected: 09/21/21 12:40
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-4
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	8514	09/29/21 08:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID

Client Sample ID: MW-21
Date Collected: 09/21/21 11:40
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-5
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		50	5 mL	5 mL	8777	10/04/21 14:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-22
Date Collected: 09/21/21 11:15
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-6
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	8514	09/29/21 05:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-23
Date Collected: 09/21/21 10:05
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-7
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	8514	09/29/21 06:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-24
Date Collected: 09/21/21 10:50
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-8
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	8514	09/29/21 06:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-25
Date Collected: 09/21/21 12:55
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-9
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	8514	09/29/21 07:17	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8514	09/29/21 15:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-28
Date Collected: 09/21/21 11:35
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-10
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	8777	10/04/21 13:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-31
Date Collected: 09/21/21 12:20
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-11
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	8514	09/29/21 08:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8640	09/30/21 09:33	MR	XEN MID

Client Sample ID: MW-32
Date Collected: 09/21/21 10:30
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-12
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	8514	09/29/21 13:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	5 mL	5 mL	8514	09/29/21 13:47	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Client Sample ID: MW-33
Date Collected: 09/21/21 11:00
Date Received: 09/22/21 08:12

Lab Sample ID: 890-1297-13
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	8514	09/29/21 14:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	5 mL	5 mL	8514	09/29/21 14:13	MR	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Method Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

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

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

Sample Summary

Client: Talon/LPE
Project/Site: Hobbs Junction

Job ID: 890-1297-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1297-1	MW-7	Water	09/21/21 10:15	09/22/21 08:12	N/A
890-1297-2	MW-13	Water	09/21/21 13:20	09/22/21 08:12	N/A
890-1297-3	MW-18	Water	09/21/21 13:00	09/22/21 08:12	N/A
890-1297-4	MW-19	Water	09/21/21 12:40	09/22/21 08:12	N/A
890-1297-5	MW-21	Water	09/21/21 11:40	09/22/21 08:12	N/A
890-1297-6	MW-22	Water	09/21/21 11:15	09/22/21 08:12	N/A
890-1297-7	MW-23	Water	09/21/21 10:05	09/22/21 08:12	N/A
890-1297-8	MW-24	Water	09/21/21 10:50	09/22/21 08:12	N/A
890-1297-9	MW-25	Water	09/21/21 12:55	09/22/21 08:12	N/A
890-1297-10	MW-28	Water	09/21/21 11:35	09/22/21 08:12	N/A
890-1297-11	MW-31	Water	09/21/21 12:20	09/22/21 08:12	N/A
890-1297-12	MW-32	Water	09/21/21 10:30	09/22/21 08:12	N/A
890-1297-13	MW-33	Water	09/21/21 11:00	09/22/21 08:12	N/A

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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: _____

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Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2003-00017
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction	Turn Around	
Project Number:		☑ Routine ☐ Rush	Pres. Code
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M.Collier/D.Winchell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2003-00017		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	NM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

ANALYSIS REQUEST

Parameters: BTEX 8021B

890-1297 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2S0_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-7	GW	9/21/2021	10:15	N/A	Grab	3	X
MW-13			1:20				
MW-18			1:00				
MW-19			12:40				
MW-21			11:40				
MW-22			11:15				
MW-23			10:05				
MW-24			10:50				
MW-25			12:55				
MW-28			11:35				

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
Maocho@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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9-22-21 08:12	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020 2

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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: _____

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Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2003-00017
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M.Collier/D.Winchell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2003-00017		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Tum-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-31	GW	9/21/2021	12:20	N/A	Grab	3		X
MW-32	"	"	10:30	"	"	"		"
MW-33	"	"	11:00	"	"	"		"

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2S0_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
Maocho@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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9.22.21 0812	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer, Jessica	Carrier Tracking No(s)	COC No: 890-424 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1297-1
Address: 1211 W Florida Ave ,	Due Date Requested: 9/28/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Hoobs Junction	Project #: 88000044			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A HCL, B - NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U - Acetone, V MCAA, W pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX and MTBE	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-7 (890-1297-1)	9/21/21	10 15 Mountain		Water			X	3	
MW-13 (890-1297-2)	9/21/21	13 20 Mountain		Water			X	3	
MW-18 (890-1297-3)	9/21/21	13 00 Mountain		Water			X	3	
MW-19 (890-1297-4)	9/21/21	12 40 Mountain		Water			X	3	
MW-21 (890-1297-5)	9/21/21	11 40 Mountain		Water			X	3	
MW-22 (890-1297-6)	9/21/21	11 15 Mountain		Water			X	3	
MW-23 (890-1297-7)	9/21/21	10 05 Mountain		Water			X	3	
MW-24 (890-1297-8)	9/21/21	10 50 Mountain		Water			X	3	
MW-25 (890-1297-9)	9/21/21	12 55 Mountain		Water			X	3	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Relinquished by: Cloe Cuff 9.22.21					
	Relinquished by	Date/Time.	Company	Received by	Date/Time:	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1 1.2

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-424 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1297-1
Address: 1211 W Florida Ave	Due Date Requested: 9/28/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Hoobs Junction	Project #: 88000044			
Site	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	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	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX and MTBE	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-28 (890-1297-10)	9/21/21	11 35 Mountain		Water			X	3	
MW-31 (890-1297-11)	9/21/21	12 20 Mountain		Water			X	3	
MW-32 (890-1297-12)	9/21/21	10 30 Mountain		Water			X	3	
MW-33 (890-1297-13)	9/21/21	11 00 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: Clue Cuff 9.22.21	Date/Time:	Company	Received by:	Date/Time: 9/23/21 1:30pm	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.1 2.1c

Ver: 06/08/2021

Bottle Order Information

Bottle Order
Bottle Order #
Request From Client 9/22/2021
Date Order Posted
Order Status Ready To Process
Prepared By
Deliver By Date: ***9/22/2021 11:59:00PM***
Lab Project Number
PWSID

Order Completion Information

Creator Cloe Clifton
Filled by
Sent Date
Sent Via
Tracking #

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative

Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #
Cloe Clifton	Cp	9.22.21				Seal #
						Seal #
Relinquished By	Company	Date	Time	Received By	Company	Seal #
						Seal #
						Seal #

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1297-1
SDG Number: Lea County NM

Login Number: 1297
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1297-1
SDG Number: Lea County NM

Login Number: 1297
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 09/23/21 01:16 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	2.1 / 2.6
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: 890-855-1
SDG Number: Hobbs NM

Login Number: 855
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 06/24/21 12:06 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?	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	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1729-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Hobbs Junction Mainline

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
12/23/2021 12:44:18 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 890-1729-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-1729-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
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: 890-1729-1
SDG: Lea County

Job ID: 890-1729-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1729-1

Receipt
The samples were received on 12/16/2021 11:51 AM. 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 11.2°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-21 (890-1729-11), MW-25 (890-1729-12), (MB 880-15046/39) and (820-2918-A-1). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-15382 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-15382/8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-21

Lab Sample ID: 890-1729-11
Matrix: Water
Date Collected: 12/15/21 10:04
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**4.06**		0.200	0.0408	mg/L			12/22/21 23:25	100
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 17:44	1
Ethylbenzene	**1.39**		0.200	0.0657	mg/L			12/22/21 23:25	100
m-Xylene & p-Xylene	**0.115**		0.00400	0.000629	mg/L			12/21/21 17:44	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 17:44	1
Xylenes, Total	**0.115**		0.00400	0.000642	mg/L			12/21/21 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*12/21/21 17:44*	*1*
1,4-Difluorobenzene (Surr)	*173*	*S1+*	*70 - 130*		*12/21/21 17:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**5.57**		0.200	0.0657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-25

Lab Sample ID: 890-1729-12
Matrix: Water
Date Collected: 12/15/21 08:55
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.02**		0.200	0.0408	mg/L			12/22/21 23:51	100
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 18:10	1
Ethylbenzene	**0.0732**		0.00200	0.000657	mg/L			12/21/21 18:10	1
m-Xylene & p-Xylene	**0.0317**		0.00400	0.000629	mg/L			12/21/21 18:10	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 18:10	1
Xylenes, Total	**0.0317**		0.00400	0.000642	mg/L			12/21/21 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*12/21/21 18:10*	*1*
1,4-Difluorobenzene (Surr)	*160*	*S1+*	*70 - 130*		*12/21/21 18:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.12**		0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-24

Lab Sample ID: 890-1729-13
Matrix: Water
Date Collected: 12/16/21 08:25
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/23/21 01:35	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/23/21 01:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/23/21 01:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/23/21 01:35	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/23/21 01:35	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/23/21 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*12/23/21 01:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*12/23/21 01:35*	*1*

Client Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-24

Lab Sample ID: 890-1729-13
Matrix: Water
Date Collected: 12/16/21 08:25
Date Received: 12/16/21 11:51

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-28

Lab Sample ID: 890-1729-14
Matrix: Water
Date Collected: 12/16/21 07:30
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00323**	**B**	0.00200	0.000408	mg/L			12/21/21 19:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 19:03	1
Ethylbenzene	**0.00164**	**J**	0.00200	0.000657	mg/L			12/21/21 19:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 19:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 19:03	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*12/21/21 19:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*12/21/21 19:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00487**		0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-33

Lab Sample ID: 890-1729-15
Matrix: Water
Date Collected: 12/16/21 08:00
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00197**	**J B**	0.00200	0.000408	mg/L			12/21/21 19:29	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 19:29	1
Ethylbenzene	**0.000815**	**J**	0.00200	0.000657	mg/L			12/21/21 19:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 19:29	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 19:29	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*12/21/21 19:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*12/21/21 19:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00279**	**J**	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-7

Lab Sample ID: 890-1729-16
Matrix: Water
Date Collected: 12/16/21 08:15
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00147**	**J B**	0.00200	0.000408	mg/L			12/21/21 19:56	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 19:56	1

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Client Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-7

Lab Sample ID: 890-1729-16
Date Collected: 12/16/21 08:15
Matrix: Water
Date Received: 12/16/21 11:51

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 19:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 19:56	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 19:56	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*12/21/21 19:56*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*12/21/21 19:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00147**	**J**	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-23

Lab Sample ID: 890-1729-17
Date Collected: 12/16/21 08:30
Matrix: Water
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000813**	**J B**	0.00200	0.000408	mg/L			12/21/21 20:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 20:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 20:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 20:22	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 20:22	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*12/21/21 20:22*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*12/21/21 20:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000813**	**J**	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-32

Lab Sample ID: 890-1729-18
Date Collected: 12/16/21 08:45
Matrix: Water
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/21/21 20:49	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 20:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 20:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 20:49	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 20:49	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*12/21/21 20:49*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*		*12/21/21 20:49*	*1*

Client Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-32

Lab Sample ID: 890-1729-18
Matrix: Water
Date Collected: 12/16/21 08:45
Date Received: 12/16/21 11:51

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-22

Lab Sample ID: 890-1729-19
Matrix: Water
Date Collected: 12/16/21 09:15
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000754**	**J B**	0.00200	0.000408	mg/L			12/21/21 21:16	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 21:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 21:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 21:16	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 21:16	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*12/21/21 21:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*		*12/21/21 21:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000754**	**J**	0.00400	0.000657	mg/L			12/22/21 12:38	1

Client Sample ID: MW-31

Lab Sample ID: 890-1729-20
Matrix: Water
Date Collected: 12/16/21 10:04
Date Received: 12/16/21 11:51

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/21/21 21:43	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 21:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 21:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 21:43	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 21:43	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*12/21/21 21:43*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*		*12/21/21 21:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/22/21 12:38	1

Surrogate Summary

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

Job ID: 890-1729-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
820-2918-A-1 MS	Matrix Spike	81	97										
820-2918-A-1 MSD	Matrix Spike Duplicate	93	109										
880-9579-B-3 MS	Matrix Spike	101	107										
880-9579-B-3 MSD	Matrix Spike Duplicate	94	63 S1-										
890-1729-11	MW-21	100	173 S1+										
890-1729-12	MW-25	118	160 S1+										
890-1729-13	MW-24	123	93										
890-1729-14	MW-28	106	94										
890-1729-15	MW-33	107	94										
890-1729-16	MW-7	106	89										
890-1729-17	MW-23	98	84										
890-1729-18	MW-32	91	80										
890-1729-19	MW-22	94	82										
890-1729-20	MW-31	99	82										
LCS 880-15046/34	Lab Control Sample	89	101										
LCS 880-15382/3	Lab Control Sample	92	97										
LCSD 880-15046/35	Lab Control Sample Dup	99	106										
LCSD 880-15382/4	Lab Control Sample Dup	88	97										
MB 880-15046/39	Method Blank	83	63 S1-										
MB 880-15046/8	Method Blank	55 S1-	84										
MB 880-15382/8	Method Blank	56 S1-	84										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-15046/39
Matrix: Water
Analysis Batch: 15046

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.01208		0.00200	0.000408	mg/L			12/21/21 11:36	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/21/21 11:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/21/21 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/21/21 11:36	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/21/21 11:36	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/21/21 11:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*		*12/21/21 11:36*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*		*12/21/21 11:36*	*1*

Lab Sample ID: MB 880-15046/8
Matrix: Water
Analysis Batch: 15046

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/20/21 17:31	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/20/21 17:31	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/20/21 17:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/20/21 17:31	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/20/21 17:31	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/20/21 17:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*		*12/20/21 17:31*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*12/20/21 17:31*	*1*

Lab Sample ID: LCS 880-15046/34
Matrix: Water
Analysis Batch: 15046

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	0.08470		mg/L		85	70 - 130
Toluene	0.100	0.07948		mg/L		79	70 - 130
Ethylbenzene	0.100	0.08635		mg/L		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1692		mg/L		85	70 - 130
o-Xylene	0.100	0.09287		mg/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-15046/35
Matrix: Water
Analysis Batch: 15046

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	0.09632		mg/L		96	70 - 130	13	20

QC Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-15046/35
Matrix: Water
Analysis Batch: 15046

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
Toluene			0.100	0.08763		mg/L		88	70 - 130	10	20
Ethylbenzene			0.100	0.09518		mg/L		95	70 - 130	10	20
m-Xylene & p-Xylene			0.200	0.1856		mg/L		93	70 - 130	9	20
o-Xylene			0.100	0.1028		mg/L		103	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 820-2918-A-1 MS
Matrix: Water
Analysis Batch: 15046

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
Benzene	<0.00200	U	0.100	0.07555		mg/L		76	70 - 130
Toluene	<0.00200	U	0.100	0.07408		mg/L		74	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08351		mg/L		84	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1609		mg/L		80	70 - 130
o-Xylene	<0.00200	U	0.100	0.08969		mg/L		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 820-2918-A-1 MSD
Matrix: Water
Analysis Batch: 15046

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
Benzene	<0.00200	U	0.100	0.09055		mg/L		91	70 - 130	18	25
Toluene	<0.00200	U	0.100	0.07948		mg/L		79	70 - 130	7	25
Ethylbenzene	<0.00200	U	0.100	0.09258		mg/L		93	70 - 130	10	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1818		mg/L		91	70 - 130	12	25
o-Xylene	<0.00200	U	0.100	0.1026		mg/L		103	70 - 130	13	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-15382/8
Matrix: Water
Analysis Batch: 15382

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/22/21 19:24	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/22/21 19:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/22/21 19:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/22/21 19:24	1

QC Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

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

Lab Sample ID: MB 880-15382/8
Matrix: Water
Analysis Batch: 15382

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/22/21 19:24	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/22/21 19:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*56*	*S1-*	*70 - 130*		*12/22/21 19:24*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*12/22/21 19:24*	*1*

Lab Sample ID: LCS 880-15382/3
Matrix: Water
Analysis Batch: 15382

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	0.1208		mg/L		121	70 - 130		
Toluene			0.100	0.1145		mg/L		114	70 - 130		
Ethylbenzene			0.100	0.1047		mg/L		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2070		mg/L		103	70 - 130		
o-Xylene			0.100	0.1080		mg/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-15382/4
Matrix: Water
Analysis Batch: 15382

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	0.1237		mg/L		124	70 - 130	2	20
Toluene			0.100	0.1171		mg/L		117	70 - 130	2	20
Ethylbenzene			0.100	0.1078		mg/L		108	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.2144		mg/L		107	70 - 130	4	20
o-Xylene			0.100	0.1114		mg/L		111	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-9579-B-3 MS
Matrix: Water
Analysis Batch: 15382

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		
Benzene	<0.00200	U F1	0.100	0.1448	F1	mg/L		145	70 - 130		
Toluene	0.0353	F1	0.100	0.1852	F1	mg/L		150	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1281		mg/L		128	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2549		mg/L		127	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.1308	F1	mg/L		131	70 - 130		

QC Sample Results

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

Job ID: 890-1729-1
SDG: Lea County

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

Lab Sample ID: 880-9579-B-3 MS
Matrix: Water
Analysis Batch: 15382

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-9579-B-3 MSD
Matrix: Water
Analysis Batch: 15382

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
Benzene	<0.00200	U F1	0.100	0.1385	F1	mg/L		138	70 - 130	4	25
Toluene	0.0353	F1	0.100	0.1755	F1	mg/L		140	70 - 130	5	25
Ethylbenzene	<0.00200	U	0.100	0.1206		mg/L		121	70 - 130	6	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2409		mg/L		120	70 - 130	6	25
o-Xylene	<0.00200	U F1	0.100	0.1255		mg/L		126	70 - 130	4	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*

QC Association Summary

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

Job ID: 890-1729-1
SDG: Lea County

GC VOA

Analysis Batch: 15046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1729-11	MW-21	Total/NA	Water	8021B	
890-1729-12	MW-25	Total/NA	Water	8021B	
890-1729-14	MW-28	Total/NA	Water	8021B	
890-1729-15	MW-33	Total/NA	Water	8021B	
890-1729-16	MW-7	Total/NA	Water	8021B	
890-1729-17	MW-23	Total/NA	Water	8021B	
890-1729-18	MW-32	Total/NA	Water	8021B	
890-1729-19	MW-22	Total/NA	Water	8021B	
890-1729-20	MW-31	Total/NA	Water	8021B	
MB 880-15046/39	Method Blank	Total/NA	Water	8021B	
MB 880-15046/8	Method Blank	Total/NA	Water	8021B	
LCS 880-15046/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-15046/35	Lab Control Sample Dup	Total/NA	Water	8021B	
820-2918-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
820-2918-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 15380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1729-11	MW-21	Total/NA	Water	Total BTEX	
890-1729-12	MW-25	Total/NA	Water	Total BTEX	
890-1729-13	MW-24	Total/NA	Water	Total BTEX	
890-1729-14	MW-28	Total/NA	Water	Total BTEX	
890-1729-15	MW-33	Total/NA	Water	Total BTEX	
890-1729-16	MW-7	Total/NA	Water	Total BTEX	
890-1729-17	MW-23	Total/NA	Water	Total BTEX	
890-1729-18	MW-32	Total/NA	Water	Total BTEX	
890-1729-19	MW-22	Total/NA	Water	Total BTEX	
890-1729-20	MW-31	Total/NA	Water	Total BTEX	

Analysis Batch: 15382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1729-11	MW-21	Total/NA	Water	8021B	
890-1729-12	MW-25	Total/NA	Water	8021B	
890-1729-13	MW-24	Total/NA	Water	8021B	
MB 880-15382/8	Method Blank	Total/NA	Water	8021B	
LCS 880-15382/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-15382/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-9579-B-3 MS	Matrix Spike	Total/NA	Water	8021B	
880-9579-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Lab Chronicle

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-21
Date Collected: 12/15/21 10:04
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-11
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	15046	12/21/21 17:44	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	15382	12/22/21 23:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-25
Date Collected: 12/15/21 08:55
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-12
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	15046	12/21/21 18:10	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	15382	12/22/21 23:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-24
Date Collected: 12/16/21 08:25
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-13
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	15382	12/23/21 01:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-28
Date Collected: 12/16/21 07:30
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-14
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	15046	12/21/21 19:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-33
Date Collected: 12/16/21 08:00
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-15
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	15046	12/21/21 19:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-7
Date Collected: 12/16/21 08:15
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-16
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	15046	12/21/21 19:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-1729-1
SDG: Lea County

Client Sample ID: MW-23
Date Collected: 12/16/21 08:30
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-17
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	15046	12/21/21 20:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-32
Date Collected: 12/16/21 08:45
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-18
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	15046	12/21/21 20:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-22
Date Collected: 12/16/21 09:15
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-19
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	15046	12/21/21 21:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Client Sample ID: MW-31
Date Collected: 12/16/21 10:04
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1729-20
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	15046	12/21/21 21:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			15380	12/22/21 12:38	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-1729-1
SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Method Summary

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

Job ID: 890-1729-1
SDG: Lea County

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

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

Sample Summary

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

Job ID: 890-1729-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1729-11	MW-21	Water	12/15/21 10:04	12/16/21 11:51
890-1729-12	MW-25	Water	12/15/21 08:55	12/16/21 11:51
890-1729-13	MW-24	Water	12/16/21 08:25	12/16/21 11:51
890-1729-14	MW-28	Water	12/16/21 07:30	12/16/21 11:51
890-1729-15	MW-33	Water	12/16/21 08:00	12/16/21 11:51
890-1729-16	MW-7	Water	12/16/21 08:15	12/16/21 11:51
890-1729-17	MW-23	Water	12/16/21 08:30	12/16/21 11:51
890-1729-18	MW-32	Water	12/16/21 08:45	12/16/21 11:51
890-1729-19	MW-22	Water	12/16/21 09:15	12/16/21 11:51
890-1729-20	MW-31	Water	12/16/21 10:04	12/16/21 11:51

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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: _____

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction Mainline (HJM)	Turn Around	Pres. Code
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	R.B / D.W.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2003-00017		

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	11.4
Total Containers:		Corrected Temperature:	11.2

ANALYSIS REQUEST

Parameters: BTEX 8021B

890-1729 Chain of Custody

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	Sample Comments
MW-21	GW	12/15/21	10:04	N/A		3	X	Email Analytical to:
MW-25		12/15/21	8:55					CJBryant@paalp.com
MW-24		12/16/21	8:25					ALGroves@paalp.com
MW-28			7:30					MaOchoa@paalp.com
MW-33			8:00					
MW-7			8:15					
MW-23			8:30					
MW-32			8:45					
MW-22			9:15					
MW-31			9:45					

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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ryan Bell	Clee Culp	12.16.21 1151	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1729-1
SDG Number: Lea County

Login Number: 1729
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1729-1
SDG Number: Lea County

Login Number: 1729
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 12/17/21 01:55 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?	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").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1720-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Hobbs Junction Mainline

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
12/23/2021 8:52:15 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 890-1720-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-1720-1
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.
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.
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
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: 890-1720-1
SDG: Lea County

Job ID: 890-1720-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1720-1

Receipt
The samples were received on 12/15/2021 12:14 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 1.8°C

GC VOA
Method RSK_175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-25 (890-1720-1) and MW-19 (890-1720-2). Elevated reporting limits (RLs) are provided.

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.

Client Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Client Sample ID: MW-25

Lab Sample ID: 890-1720-1
Matrix: Water
Date Collected: 12/15/21 08:55
Date Received: 12/15/21 12:14
Sample Depth: N/A

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	2970		50.0	4.53	ug/L			12/21/21 13:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluoroethane	*100*		*70 - 130*		*12/21/21 13:35*	*10*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.754		0.100	0.0391	mg/L			12/16/21 17:27	1
Sulfate	49.3		0.500	0.109	mg/L			12/16/21 17:27	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0783		0.00200	0.000199	mg/L		12/17/21 08:30	12/21/21 00:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	350		4.00	4.00	mg/L			12/20/21 14:52	1
Bicarbonate Alkalinity as CaCO3	350		4.00	4.00	mg/L			12/20/21 14:52	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 14:52	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:52	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:52	1
Ferrous Iron	0.0300	J HF	0.0500	0.0280	mg/L			12/16/21 19:48	1

Client Sample ID: MW-19

Lab Sample ID: 890-1720-2
Matrix: Water
Date Collected: 12/15/21 10:04
Date Received: 12/15/21 12:14
Sample Depth: N/A

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	4180		50.0	4.53	ug/L			12/21/21 13:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluoroethane	*95*		*70 - 130*		*12/21/21 13:52*	*10*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.193		0.100	0.0391	mg/L			12/16/21 17:57	1
Sulfate	17.8		0.500	0.109	mg/L			12/16/21 17:57	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.123		0.00200	0.000199	mg/L		12/17/21 08:30	12/21/21 00:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	575		4.00	4.00	mg/L			12/20/21 14:42	1
Bicarbonate Alkalinity as CaCO3	575		4.00	4.00	mg/L			12/20/21 14:42	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 14:42	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:42	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:42	1

Client Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Client Sample ID: MW-19
Date Collected: 12/15/21 10:04
Date Received: 12/15/21 12:14
Sample Depth: N/A

Lab Sample ID: 890-1720-2
Matrix: Water

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0500	U HF	0.0500	0.0280	mg/L			12/16/21 19:48	1

Surrogate Summary

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

Job ID: 890-1720-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		fluoroethar							
Lab Sample ID	Client Sample ID	(70-130)							
890-1720-1	MW-25	100							
890-1720-2	MW-19	95							
LCS 860-35072/7	Lab Control Sample	110							
LCSD 860-35072/8	Lab Control Sample Dup	108							
MB 860-35072/6	Method Blank	114							

Surrogate Legend

Trifluoroethane = Trifluoroethane

QC Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-35072/6
Matrix: Water
Analysis Batch: 35072

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<5.00	U	5.00	0.453	ug/L			12/21/21 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluoroethane	*114*		*70 - 130*		*12/21/21 09:26*	*1*

Lab Sample ID: LCS 860-35072/7
Matrix: Water
Analysis Batch: 35072

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	18.90		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluoroethane	*110*		*70 - 130*

Lab Sample ID: LCSD 860-35072/8
Matrix: Water
Analysis Batch: 35072

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	18.92		ug/L		95	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Trifluoroethane	*108*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-34538/3
Matrix: Water
Analysis Batch: 34538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500	U	0.500	0.109	mg/L			12/16/21 16:28	1

Lab Sample ID: LCS 860-34538/4
Matrix: Water
Analysis Batch: 34538

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	10.41		mg/L		104	90 - 110		

Lab Sample ID: LCSD 860-34538/5
Matrix: Water
Analysis Batch: 34538

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	10.38		mg/L		104	90 - 110	0	20

QC Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1720-1 MS
Matrix: Water
Analysis Batch: 34538

Client Sample ID: MW-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	49.3		10.0	58.79	4	mg/L		95	90 - 110

Lab Sample ID: 890-1720-1 MSD
Matrix: Water
Analysis Batch: 34538

Client Sample ID: MW-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	49.3		10.0	58.82	4	mg/L		95	90 - 110	0	20

Lab Sample ID: MB 860-34539/3
Matrix: Water
Analysis Batch: 34539

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	<0.100	U	0.100	0.0391	mg/L			12/16/21 16:28	1

Lab Sample ID: LCS 860-34539/4
Matrix: Water
Analysis Batch: 34539

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	9.930		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-34539/5
Matrix: Water
Analysis Batch: 34539

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	9.925		mg/L		99	80 - 120	0	20

Lab Sample ID: 890-1720-1 MS
Matrix: Water
Analysis Batch: 34539

Client Sample ID: MW-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.754		10.0	10.39		mg/L		96	80 - 120

Lab Sample ID: 890-1720-1 MSD
Matrix: Water
Analysis Batch: 34539

Client Sample ID: MW-25
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	0.754		10.0	10.40		mg/L		96	80 - 120	0	15

QC Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-34696/1-A
Matrix: Water
Analysis Batch: 35092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.00200	U	0.00200	0.000199	mg/L		12/17/21 08:30	12/21/21 00:19	1

Lab Sample ID: LCS 860-34696/2-A
Matrix: Water
Analysis Batch: 35092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.100	0.09831		mg/L		98	80 - 120

Lab Sample ID: LCSD 860-34696/3-A
Matrix: Water
Analysis Batch: 35092

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.100	0.09836		mg/L		98	80 - 120	0	20

Lab Sample ID: 890-1720-1 MS
Matrix: Water
Analysis Batch: 35092

Client Sample ID: MW-25
Prep Type: Total/NA
Prep Batch: 34696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.0783		0.100	0.1717		mg/L		93	75 - 125

Lab Sample ID: 890-1720-1 MSD
Matrix: Water
Analysis Batch: 35092

Client Sample ID: MW-25
Prep Type: Total/NA
Prep Batch: 34696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.0783		0.100	0.1716		mg/L		93	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-35061/4
Matrix: Water
Analysis Batch: 35061

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			12/20/21 13:56	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1

Lab Sample ID: LCS 860-35061/5
Matrix: Water
Analysis Batch: 35061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	243.7		mg/L		97	85 - 115

QC Sample Results

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

Job ID: 890-1720-1
SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-35061/6
Matrix: Water
Analysis Batch: 35061

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	248.0		mg/L		99	85 - 115	2	20

Lab Sample ID: 890-1728-A-1 DU
Matrix: Water
Analysis Batch: 35061

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	220			216.7		mg/L				2	20
Bicarbonate Alkalinity as CaCO3	220			216.7		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 860-35548/3
Matrix: Water
Analysis Batch: 35548

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0500	U	0.0500	0.0280	mg/L			12/16/21 19:48	1

Lab Sample ID: LCS 860-35548/4
Matrix: Water
Analysis Batch: 35548

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	0.9300		mg/L		93	75 - 125		

Lab Sample ID: LCSD 860-35548/5
Matrix: Water
Analysis Batch: 35548

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	1	25

Lab Sample ID: 890-1710-C-2 DU
Matrix: Water
Analysis Batch: 35548

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	<0.0500	U		<0.0500	U	mg/L				NC	25

QC Association Summary

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

Job ID: 890-1720-1
SDG: Lea County

GC VOA

Analysis Batch: 35072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	RSK-175	
890-1720-2	MW-19	Total/NA	Water	RSK-175	
MB 860-35072/6	Method Blank	Total/NA	Water	RSK-175	
LCS 860-35072/7	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-35072/8	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 34538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	300.0	
890-1720-2	MW-19	Total/NA	Water	300.0	
MB 860-34538/3	Method Blank	Total/NA	Water	300.0	
LCS 860-34538/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-34538/5	Lab Control Sample Dup	Total/NA	Water	300.0	
890-1720-1 MS	MW-25	Total/NA	Water	300.0	
890-1720-1 MSD	MW-25	Total/NA	Water	300.0	

Analysis Batch: 34539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	300.0	
890-1720-2	MW-19	Total/NA	Water	300.0	
MB 860-34539/3	Method Blank	Total/NA	Water	300.0	
LCS 860-34539/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-34539/5	Lab Control Sample Dup	Total/NA	Water	300.0	
890-1720-1 MS	MW-25	Total/NA	Water	300.0	
890-1720-1 MSD	MW-25	Total/NA	Water	300.0	

Metals

Prep Batch: 34696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	3010A	
890-1720-2	MW-19	Total/NA	Water	3010A	
MB 860-34696/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-34696/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-34696/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
890-1720-1 MS	MW-25	Total/NA	Water	3010A	
890-1720-1 MSD	MW-25	Total/NA	Water	3010A	

Analysis Batch: 35092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	6020A	34696
890-1720-2	MW-19	Total/NA	Water	6020A	34696
MB 860-34696/1-A	Method Blank	Total/NA	Water	6020A	34696
LCS 860-34696/2-A	Lab Control Sample	Total/NA	Water	6020A	34696
LCSD 860-34696/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	34696
890-1720-1 MS	MW-25	Total/NA	Water	6020A	34696
890-1720-1 MSD	MW-25	Total/NA	Water	6020A	34696

QC Association Summary

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

Job ID: 890-1720-1
SDG: Lea County

General Chemistry

Analysis Batch: 35061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	SM 2320B	
890-1720-2	MW-19	Total/NA	Water	SM 2320B	
MB 860-35061/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-35061/5	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-35061/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
890-1728-A-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 35548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1720-1	MW-25	Total/NA	Water	SM 3500 FE D	
890-1720-2	MW-19	Total/NA	Water	SM 3500 FE D	
MB 860-35548/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-35548/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-35548/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
890-1710-C-2 DU	Duplicate	Total/NA	Water	SM 3500 FE D	

Lab Chronicle

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

Job ID: 890-1720-1
SDG: Lea County

Client Sample ID: MW-25

Date Collected: 12/15/21 08:55
Date Received: 12/15/21 12:14

Lab Sample ID: 890-1720-1

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		10	33 mL	33 mL	35072	12/21/21 13:35	CZT	XEN STF
Total/NA	Analysis	300.0		1			34538	12/16/21 17:27	WP	XEN STF
Total/NA	Analysis	300.0		1			34539	12/16/21 17:27	WP	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	34696	12/17/21 08:30	MD	XEN STF
Total/NA	Analysis	6020A		1			35092	12/21/21 00:32	AV	XEN STF
Total/NA	Analysis	SM 2320B		1			35061	12/20/21 14:52	YGG	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	35548	12/16/21 19:48	CM1	XEN STF

Client Sample ID: MW-19

Date Collected: 12/15/21 10:04
Date Received: 12/15/21 12:14

Lab Sample ID: 890-1720-2

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		10	33 mL	33 mL	35072	12/21/21 13:52	CZT	XEN STF
Total/NA	Analysis	300.0		1			34538	12/16/21 17:57	WP	XEN STF
Total/NA	Analysis	300.0		1			34539	12/16/21 17:57	WP	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	34696	12/17/21 08:30	MD	XEN STF
Total/NA	Analysis	6020A		1			35092	12/21/21 00:59	AV	XEN STF
Total/NA	Analysis	SM 2320B		1			35061	12/20/21 14:42	YGG	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	35548	12/16/21 19:48	CM1	XEN STF

Laboratory References:

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 890-1720-1
SDG: Lea County

Laboratory: Eurofins Xenco, Stafford

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

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

Job ID: 890-1720-1
SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

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

Job ID: 890-1720-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1720-1	MW-25	Water	12/15/21 08:55	12/15/21 12:14	N/A
890-1720-2	MW-19	Water	12/15/21 10:04	12/15/21 12:14	N/A

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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: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction mainline	Turn Around	
Project Number:		☒ Routine ☐ Rush	Pres. Code
Project Location:	Lea County	Due Date:	
Sampler's Name:	D. Winchell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2003-00017		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-005
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.0
Total Containers:		Corrected Temperature:	1.8

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: MNA Parameters
MW-25	GW	12/15/21	8:55	N/A		7	X
MW-19	GW	12/15/21	10:04	N/A		7	X

890-1720 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analytical to:
CTBryant@paalp.com
ALGroves@paalp.com
MaOchoa@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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ray Bell	N. Ellis	12/15/21 12:14	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-547 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 890-1720-1
Address: 4145 Greenbriar Dr	Due Date Requested: 12/21/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Hobbs Junction Mainline	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	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	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Sulfate	300_ORGFMS/ (MOD) Nitrate	3500_FE_D/ Ferrous Iron	2320B/ Alkalinity	6020A/3010A (MOD) Manganese	RSK_175/ (MOD) Local Method							Total Number of containers	Special Instructions/Note:
			Preservation Code:																	
MW-25 (890-1720-1)	12/15/21	08.55 Mountain		Water			X	X	X	X	X	X							7	
MW-19 (890-1720-2)	12/15/21	10:04 Mountain		Water			X	X	X	X	X	X							7	

Temp: 3.0 IR ID:HOU-223
C/F: +0.0
Corrected Temp: 3.0

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Clue Cut 12 15 21					
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 12/16/21 1029	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1720-1
SDG Number: Lea County

Login Number: 1720
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1720-1
SDG Number: Lea County

Login Number: 1720
List Number: 2
Creator: Milone, Jeancarlo

List Source: Eurofins Xenco, Stafford
List Creation: 12/16/21 02:49 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	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1728-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Hobbs Junction Mainline

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
12/23/2021 8:53:39 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

Laboratory Job ID: 890-1728-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-1728-1
SDG: Lea County

Qualifiers

GC VOA

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

HPLC/IC

Qualifier	Qualifier Description
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

Job ID: 890-1728-1
SDG: Lea County

Job ID: 890-1728-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1728-1

Receipt
The sample was received on 12/16/2021 11:51 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 11.2°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.

Client Sample Results

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

Job ID: 890-1728-1
SDG: Lea County

Client Sample ID: MW-24

Date Collected: 12/16/21 08:25
Date Received: 12/16/21 11:51
Sample Depth: N/A

Lab Sample ID: 890-1728-1

Matrix: Water

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<5.00	U	5.00	0.453	ug/L			12/21/21 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluoroethane	*113*		*70 - 130*		*12/21/21 14:42*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**2.31**		0.100	0.0391	mg/L			12/17/21 20:55	1
Sulfate	**105**		0.500	0.109	mg/L			12/17/21 20:55	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.00746**		0.00200	0.000199	mg/L		12/20/21 10:30	12/21/21 04:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	**220**		4.00	4.00	mg/L			12/20/21 14:22	1
Bicarbonate Alkalinity as CaCO3	**220**		4.00	4.00	mg/L			12/20/21 14:22	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 14:22	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:22	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 14:22	1
Ferrous Iron	<0.0500	U HF	0.0500	0.0280	mg/L			12/16/21 19:48	1

Surrogate Summary

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

Job ID: 890-1728-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		fluoroethar							
Lab Sample ID	Client Sample ID	(70-130)							
890-1728-1	MW-24	113							
LCS 860-35072/7	Lab Control Sample	110							
LCSD 860-35072/8	Lab Control Sample Dup	108							
MB 860-35072/6	Method Blank	114							

Surrogate Legend

Trifluoroethane = Trifluoroethane

QC Sample Results

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

Job ID: 890-1728-1
SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-35072/6
Matrix: Water
Analysis Batch: 35072

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<5.00	U	5.00	0.453	ug/L			12/21/21 09:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Trifluoroethane	*114*		*70 - 130*		*12/21/21 09:26*	*1*

Lab Sample ID: LCS 860-35072/7
Matrix: Water
Analysis Batch: 35072

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	18.90		ug/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Trifluoroethane	*110*		*70 - 130*

Lab Sample ID: LCSD 860-35072/8
Matrix: Water
Analysis Batch: 35072

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	18.92		ug/L		95	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Trifluoroethane	*108*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-34707/62
Matrix: Water
Analysis Batch: 34707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.500	U	0.500	0.109	mg/L			12/17/21 19:56	1

Lab Sample ID: LCS 860-34707/63
Matrix: Water
Analysis Batch: 34707

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	9.914		mg/L		99	90 - 110		

Lab Sample ID: LCSD 860-34707/64
Matrix: Water
Analysis Batch: 34707

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	9.936		mg/L		99	90 - 110	0	20

QC Sample Results

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

Job ID: 890-1728-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-9098-A-1 MS
Matrix: Water
Analysis Batch: 34707

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	0.664		10.0	10.19		mg/L		95	90 - 110

Lab Sample ID: 880-9098-A-1 MSD
Matrix: Water
Analysis Batch: 34707

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	0.664		10.0	10.23		mg/L		96	90 - 110	0	20

Lab Sample ID: MB 860-34708/62
Matrix: Water
Analysis Batch: 34708

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	<0.100	U	0.100	0.0391	mg/L			12/17/21 19:56	1

Lab Sample ID: LCS 860-34708/63
Matrix: Water
Analysis Batch: 34708

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	9.938		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-34708/64
Matrix: Water
Analysis Batch: 34708

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	9.930		mg/L		99	80 - 120	0	20

Lab Sample ID: 880-9098-A-1 MS
Matrix: Water
Analysis Batch: 34708

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	0.168		10.0	9.718		mg/L		95	80 - 120

Lab Sample ID: 880-9098-A-1 MSD
Matrix: Water
Analysis Batch: 34708

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	0.168		10.0	9.727		mg/L		96	80 - 120	0	15

QC Sample Results

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

Job ID: 890-1728-1
SDG: Lea County

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-34938/1-A
Matrix: Water
Analysis Batch: 35093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.00200	U	0.00200	0.000199	mg/L		12/20/21 10:30	12/21/21 03:23	1

Lab Sample ID: LCS 860-34938/2-A
Matrix: Water
Analysis Batch: 35093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 34938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.100	0.09858		mg/L		99	80 - 120

Lab Sample ID: LCSD 860-34938/3-A
Matrix: Water
Analysis Batch: 35093

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 34938

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.100	0.09956		mg/L		100	80 - 120	1	20

Lab Sample ID: 870-4733-A-1-B MS
Matrix: Water
Analysis Batch: 35093

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 34938

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Manganese	0.0412		0.100	0.1377		mg/L		97	75 - 125

Lab Sample ID: 870-4733-A-1-C MSD
Matrix: Water
Analysis Batch: 35093

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 34938

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.0412		0.100	0.1379		mg/L		97	75 - 125	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-35061/4
Matrix: Water
Analysis Batch: 35061

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			12/20/21 13:56	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			12/20/21 13:56	1

Lab Sample ID: LCS 860-35061/5
Matrix: Water
Analysis Batch: 35061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity	250	243.7		mg/L		97	85 - 115

QC Sample Results

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

Job ID: 890-1728-1
SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-35061/6
Matrix: Water
Analysis Batch: 35061

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	248.0		mg/L		99	85 - 115	2	20

Lab Sample ID: 890-1728-1 DU
Matrix: Water
Analysis Batch: 35061

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity	220			216.7		mg/L				2	20
Bicarbonate Alkalinity as CaCO3	220			216.7		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 860-35548/3
Matrix: Water
Analysis Batch: 35548

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0500	U	0.0500	0.0280	mg/L			12/16/21 19:48	1

Lab Sample ID: LCS 860-35548/4
Matrix: Water
Analysis Batch: 35548

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	0.9300		mg/L		93	75 - 125		

Lab Sample ID: LCSD 860-35548/5
Matrix: Water
Analysis Batch: 35548

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	1	25

Lab Sample ID: 890-1710-C-2 DU
Matrix: Water
Analysis Batch: 35548

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ferrous Iron	<0.0500	U		<0.0500	U	mg/L				NC	25

QC Association Summary

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

Job ID: 890-1728-1
SDG: Lea County

GC VOA

Analysis Batch: 35072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	RSK-175	
MB 860-35072/6	Method Blank	Total/NA	Water	RSK-175	
LCS 860-35072/7	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-35072/8	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 34707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	300.0	
MB 860-34707/62	Method Blank	Total/NA	Water	300.0	
LCS 860-34707/63	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-34707/64	Lab Control Sample Dup	Total/NA	Water	300.0	
880-9098-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-9098-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 34708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	300.0	
MB 860-34708/62	Method Blank	Total/NA	Water	300.0	
LCS 860-34708/63	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-34708/64	Lab Control Sample Dup	Total/NA	Water	300.0	
880-9098-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-9098-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 34938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	3010A	
MB 860-34938/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-34938/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-34938/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
870-4733-A-1-B MS	Matrix Spike	Total/NA	Water	3010A	
870-4733-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 35093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	6020A	34938
MB 860-34938/1-A	Method Blank	Total/NA	Water	6020A	34938
LCS 860-34938/2-A	Lab Control Sample	Total/NA	Water	6020A	34938
LCSD 860-34938/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	34938
870-4733-A-1-B MS	Matrix Spike	Total/NA	Water	6020A	34938
870-4733-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	34938

General Chemistry

Analysis Batch: 35061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	SM 2320B	
MB 860-35061/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-35061/5	Lab Control Sample	Total/NA	Water	SM 2320B	

QC Association Summary

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

Job ID: 890-1728-1
SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 35061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-35061/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
890-1728-1 DU	MW-24	Total/NA	Water	SM 2320B	

Analysis Batch: 35548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1728-1	MW-24	Total/NA	Water	SM 3500 FE D	
MB 860-35548/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-35548/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-35548/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
890-1710-C-2 DU	Duplicate	Total/NA	Water	SM 3500 FE D	

Lab Chronicle

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

Job ID: 890-1728-1
SDG: Lea County

Client Sample ID: MW-24

Date Collected: 12/16/21 08:25
Date Received: 12/16/21 11:51

Lab Sample ID: 890-1728-1

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	35072	12/21/21 14:42	CZT	XEN STF
Total/NA	Analysis	300.0		1			34707	12/17/21 20:55	WP	XEN STF
Total/NA	Analysis	300.0		1			34708	12/17/21 20:55	WP	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	34938	12/20/21 10:30	MD	XEN STF
Total/NA	Analysis	6020A		1			35093	12/21/21 04:07	AV	XEN STF
Total/NA	Analysis	SM 2320B		1			35061	12/20/21 14:22	YGG	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	35548	12/16/21 19:48	CM1	XEN STF

Laboratory References:

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

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

Job ID: 890-1728-1
SDG: Lea County

Laboratory: Eurofins Xenco, Stafford

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

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

Job ID: 890-1728-1
SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

XEN STF = Eurofins Xenco, Stafford, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

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

Job ID: 890-1728-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1728-1	MW-24	Water	12/16/21 08:25	12/16/21 11:51	N/A

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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: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Hobbs Junction Mainline	Turn Around	
Project Number:		☒ Routine ☐ Rush	Pres. Code
Project Location:	Lea County	Due Date:	
Sampler's Name:	D.W/R.B	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2003-00017		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TMM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	11.4
Total Containers:		Corrected Temperature:	11.2

ANALYSIS REQUEST

Parameters: X MNA Parameters

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
MW-24	GW	12/16/21	8:25	N/A		7

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGraves@paalp.com
MaOchoa@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 SiO_2 Na Sr Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12.10.21 1151	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-549.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP Texas		Job #: 890-1728-1
Address: 4145 Greenbriar Dr	Due Date Requested: 12/22/2021			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Hobbs Junction Mainline	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	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	Z	other (specify)

Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Sulfate	300_ORGFMS/ (MOD) Nitrate	3500_FE_D/ Ferrous Iron	2320B/ Alkalinity	6020A/3010A (MOD) Manganese	RSK_175/ (MOD) Local Method	Total Number of Containers	Special Instructions/Note:
			Preservation Code:											
MW-24 (890-1728-1)	12/16/21	08:25 Mountain		Water			X	X	X	X	X	X		

Temp: 1.7 IR ID.HOU-223
C/F: +0.0
Corrected Temp: 1.7

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Cole Culp 12.16.21 FEx	Date/Time:	Company	Received by: FEx	Date/Time:	Company
Relinquished by: FEx	Date/Time:	Company	Received by: PMadrid	Date/Time: 12/17/21 1025	Company FEx
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1728-1
SDG Number: Lea County

Login Number: 1728
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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.	N/A	
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").	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1728-1
SDG Number: Lea County

Login Number: 1728
List Number: 2
Creator: Palmar, Pedro

List Source: Eurofins Xenco, Stafford
List Creation: 12/17/21 04:56 PM

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 92562

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 92562
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor recommendations approved by NMOCD and are as follows; 1. Continue quarterly MDPE events 2. 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 3. Continue the quarterly groundwater monitoring program and annual reporting in accordance with NMOCD directives 4. Initiate PAH sampling on any well where measurable PSH is reduced to dissolved phase 5. Submit annual report to NMOCD no later than March 31, 2023.	8/3/2022