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TALON LPE

2020 ANNUAL GROUNDWATER MONITORING REPORT

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

APPROVED
By Nelson Velez at 9:44 am, Jan 11, 2022

Review of 2020 ANNUAL GROUNDWATER MONITORING REPORT:
Content satisfactory
Contractor recommendations approved 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. OCD approves to discontinued PAH sampling in groundwater monitoring wells MW-21, MW-22, MW-28, MW-31, MW-32 and MW-33.
5. Continue to sample for PAH in MW-18 for at least one more year.
6. Initiate PAH sampling on any well where measurable PSH is reduced to dissolved phase
7. Submit annual report to OCD no later than March 31,2022.

Prepared For:
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HOUSTON, TEXAS

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January 20, 2021

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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 Introduction and Site Background

The Hobbs Junction Mainline site (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 as well. 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 nineteen (19) pneumatic total fluid pumps installed in monitor wells MW-1 thru MW-6. MW-8, MW-10, MW-11, MW-12, MW-14, MW-15, MW-17, MW-19, MW-25, MW-26, 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 2020, the recovery system extracted 94.35 bbls of PSH and 16,439.2 bbls of groundwater.

Additionally, during 2020, eleven (11) mobile dual-phase extraction (MDPE) events were conducted at this site on January 15, February 19, March 10, April 28, May 19, June 15, July 23, September 22, October 8, November 24, and December 17, 2020. A total of 273.60 bbls of PSH were recovered, consisting of 182.36 bbls of liquid PSH and 91.24 bbls of vapor PSH. In addition, 139.39 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 2020. 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

Talon conducted four (4) groundwater monitoring events during 2020: March 23, June 24, September 8, and December 3, 2020. Details of the gauging, purging, and sample 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 OXY North Hobbs Unit 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 Xenco Laboratories, Inc. in Midland, Texas for analysis. The collected samples were quantified for BTEX by EPA Method SW-846 8021B. Groundwater samples collected from six (6) groundwater monitoring wells during the first event were analyzed for Polycyclic Aromatic Hydrocarbons (PAH) by EPA Method 8270C.

2.3 Phase Separated Hydrocarbon and Groundwater Recovery

The crude oil and groundwater recovered with the total fluid pumps were expelled in 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 2020, the quarterly PSH and groundwater recovery totals for the system are as follows:

- 1st Quarter – 27.8 bbls of crude oil and 5,860 bbls of groundwater
- 2nd Quarter – 22.74 bbls of crude oil and 5,414.9 bbls of groundwater
- 3rd Quarter – 26.16 bbls of crude oil and 3,475 bbls of groundwater
- 4th Quarter – 17.65 bbls of crude oil and 1689.3 bbls of groundwater

In addition to the recovery system, eleven (11) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2020. The MDPE event recovery totals are as follows:

- January 15, 2020 – 10.32 bbls of vapor and 17.58 bbls of liquid
- February 19, 2020 – 10.47 bbls of vapor and 26.72 bbls of liquid
- March 10, 2020 – 9.87 bbls of vapor and 7.52 bbls of liquid
- April 28, 2020 – 4.51 bbls of vapor and 13.12 bbls of liquid
- May 19, 2020 – 9.46 bbls of vapor and 19.92 bbls of liquid
- June 15, 2020 – 8.04 bbls of vapor and 8.73 bbls of liquid
- July 23, 2020 – 9.75 bbls of vapor and 18.12 bbls of liquid
- September 22, 2020 – 9.91 bbls of vapor and 23.26 bbls of liquid
- October 8, 2020 – 10.61 bbls of vapor and 25.33 bbls of liquid
- November 24, 2020 – 4.43 bbls of vapor and 12.99 bbls of liquid
- December 17, 2020 – 3.87 bbls of vapor and 9.07 bbls of liquid

Approximately 367.95 bbls of oil were recovered during 2020 and a total of 4,535.27 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 chains 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 poteniometric 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 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 0.0048 feet/foot or approximately 25.34 feet per mile. Groundwater levels at the subject site have decreased on average 1.77’ in 2020 and approximately 3.15’ since 2017.

3.3 Phase Separated Hydrocarbon (PSH)

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 2020, PSH was observed in monitor wells MW-1 through MW-6, MW-8 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 0.05 feet in MW-2 to 5.22 feet in MW-5.
- In June 2020, PSH was observed in monitor wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-8 through MW-17, MW-19, MW-20, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.02 feet in MW-13 and MW-30 to 5.88 feet in MW-27.
- In September 2020 PSH was observed in monitor wells MW-1 through MW-6, MW-8 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 0.07 feet in MW-30 to 6.20 feet in MW-3.
- In December 2020, 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-20, MW-25 through MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.01 feet in MW-25 to 4.65 feet in MW-4.

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

3.4 Groundwater Sampling Results

During the March 2020 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. Twenty-one (21) monitor wells (MW-1 through MW-6, MW-8 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.

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-28, and MW-33 to 0.434 mg/L in MW-25. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-13, MW-21, MW-22 through MW-25, MW-31, and MW-32.
- Toluene concentrations were less than the laboratory MDL in for all wells sampled. All wells sampled this quarter were below the NMWQCC standard of 0.750 mg/L.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-28, and MW-33 to 0.104 mg/L in MW-25. Ethylbenzene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any monitor wells sampled.
- Xylene concentrations ranged from less than the laboratory MDL in MW-7 to 0.0830 mg/L in MW-25. All wells sampled were below the NMWQCC standard of 0.620 mg/L.

- Naphthalene concentrations ranged from less than the laboratory MDL in MW-28 and MW-33 to 0.00128 mg/L in MW-21. The naphthalene concentrations did not exceed the NMWQCC groundwater standard of 0.030 mg/L in any of the six wells sampled this quarter.
- Benzo[a]pyrene concentrations were less than the laboratory MDL in all six wells sampled and did not exceed the NMWQCC groundwater standard of 0.007 mg/L this quarter.

During the June 2020 groundwater monitoring event, groundwater samples were collected from eleven (11) monitor wells: MW-7, MW-18, MW-21 through MW-25, MW-28, MW-31, MW-32, and MW-33. Twenty-one (21) monitor wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-8 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 and a pump was stuck in MW-3, therefore was not sampled.

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

- Benzene concentrations ranged from less than the laboratory MDL in MW-7, MW-22, MW-23, MW-24, MW-28, MW-32, and MW-33 to 2.38 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-21, MW-25, and MW-31.
- Toluene concentrations ranged from less than the laboratory MDL in all wells except for MW-18 which had a concentration of 0.00193 mg/L and MW-25 with a concentration of 0.00105 mg/L. All wells sampled this quarter were below the NMWQCC standard of 0.750 mg/L.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-22, MW-23, MW-24, MW-28, MW-32, and MW-33 to 0.399 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-22, MW-23, MW-24, MW-28, MW-31, MW-32, and MW-33 to 0.114 mg/L in MW-18. All wells sampled were below the NMWQCC standard of 0.620 mg/L.

During the September 2020 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. Twenty-one (21) monitor wells (MW-1 through MW-6, MW-8 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.

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

- Benzene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-28, MW-31, and MW-33 to 4.55 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-18, MW-21 through MW-25, and MW-32.
- Toluene concentrations were less than the laboratory MDL in all monitor wells except for MW-22 which had a concentration of 0.000820 mg/L. 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-13, MW-28, MW-31, and MW-33 to 0.777 mg/L in MW-21. Ethylbenzene concentrations exceeded the NMWQCC standard of 0.750 mg/L in MW-21 with a concentration of 0.777 mg/L.
- Xylene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-31, and MW-33 to 0.0926 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 2020 groundwater monitoring event, groundwater samples were collected from eleven (11) monitor wells: MW-7, MW-13, MW-18, MW-21 through MW-24, MW-28, MW-31 through MW-33. Twenty-one (21) monitor wells (MW-1 through MW-4, MW-6, MW-8 through MW-12, MW-14 through MW-17, MW-19, MW-20, MW-25 through MW-27, MW-29, and MW-30) were not sampled due to the presence of PSH. The pump in MW-5 could not be removed; therefore, the well was not sampled.

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

- Benzene concentrations ranged from 0.000470 mg/L in MW-33 to 11.9 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-21 and MW-22.
- Toluene concentrations ranged from 0.000700 mg/L in MW-18 to 0.00236 mg/L in MW-21. Toluene concentrations were below the NMWQCC standard of 0.750 mg/L in all wells sampled.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-24 to 1.92 mg/L in MW-21. Ethylbenzene concentrations exceeded the NMWQCC standard of 0.750 mg/L in monitor well MW-21.
- Xylene concentrations ranged from less than the laboratory MDL in MW-24 to 0.2209 mg/L in MW-21. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the wells sampled this quarter.

Laboratory analytical data reports and chains of custody documentation are provided in Appendix C. Laboratory analytical data reports and chain of custody documentation for all samples are provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four (4) 2020 groundwater monitoring events conducted at the Hobbs Junction Mainline site and provides recommendations for future actions.

4.1 Summary of Findings

- Approximately 94.35 bbls of crude oil were recovered by the groundwater system and 273.60 bbls of PSH were recovered via MDPE during 2020. Approximately 4,535.27 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.

4.2 Recommendations

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

- Continue the quarterly 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.
- Discontinue PAH sampling in groundwater monitoring wells MW-21, MW-22, MW-28, MW-31, MW-32 and MW-33. These wells have exhibited PAH concentrations below NMWQCC standards and/or laboratory method detection limits for at least two consecutive years. PAH sampling will continue in MW-18 for one more year. PAH sampling will be initiated on wells where measurable PSH is reduced to dissolved phase.

APPENDIX A

Figures

Figure 1 - Site Plan

Figure 2a - Groundwater Gradient Map - 03/23/2020

Figure 2b - Groundwater Gradient Map - 06/24/2020

Figure 2c - Groundwater Gradient Map - 09/08-11/2020

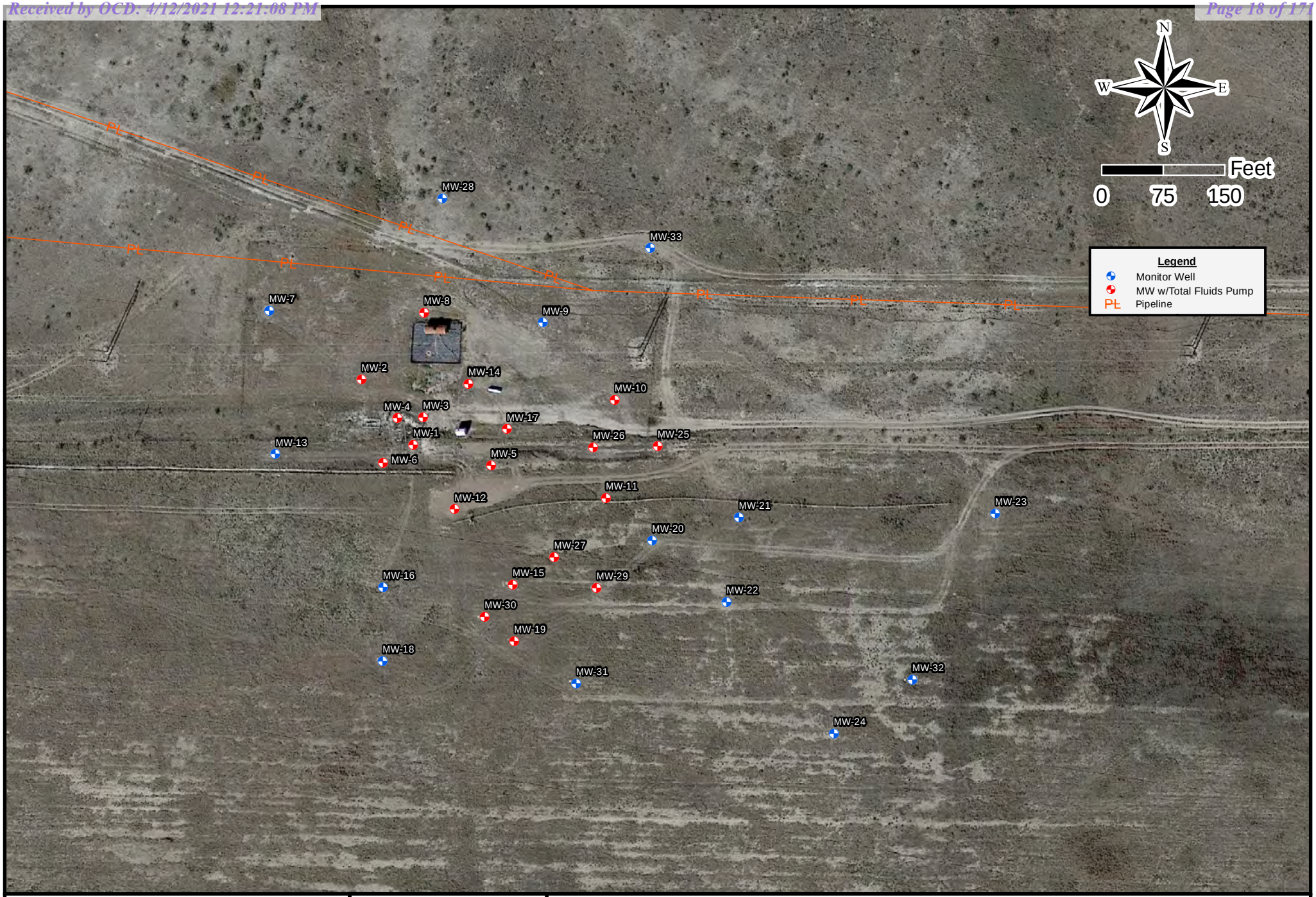
Figure 2d - Groundwater Gradient Map – 12/03/2020

Figure 3a - PSH Thickness & Groundwater Concentration Map - 03/25/2020

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/24-25/2020

Figure 3c - PSH Thickness & Groundwater Concentration Map - 09/10-11/2020

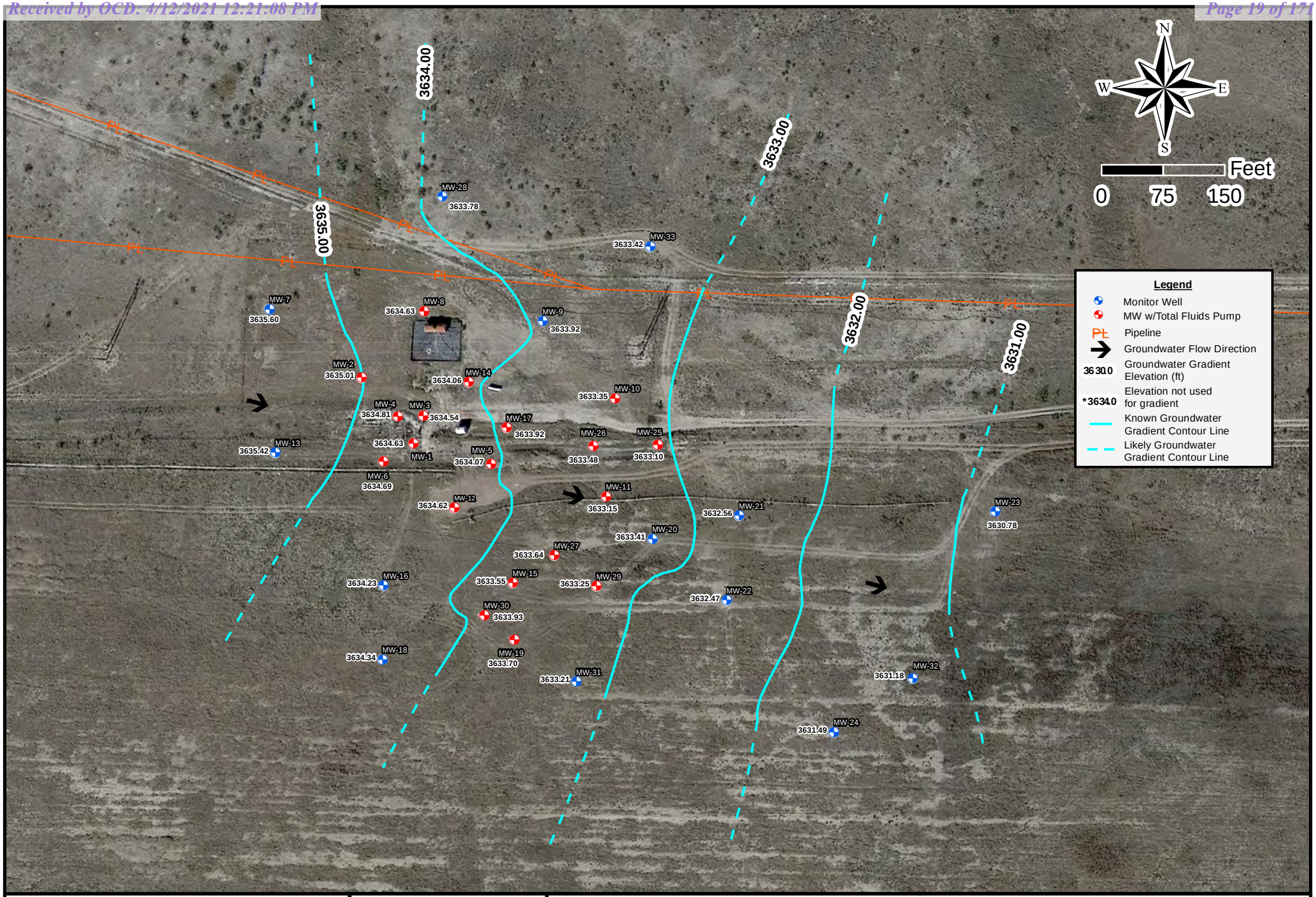
Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/03/2020



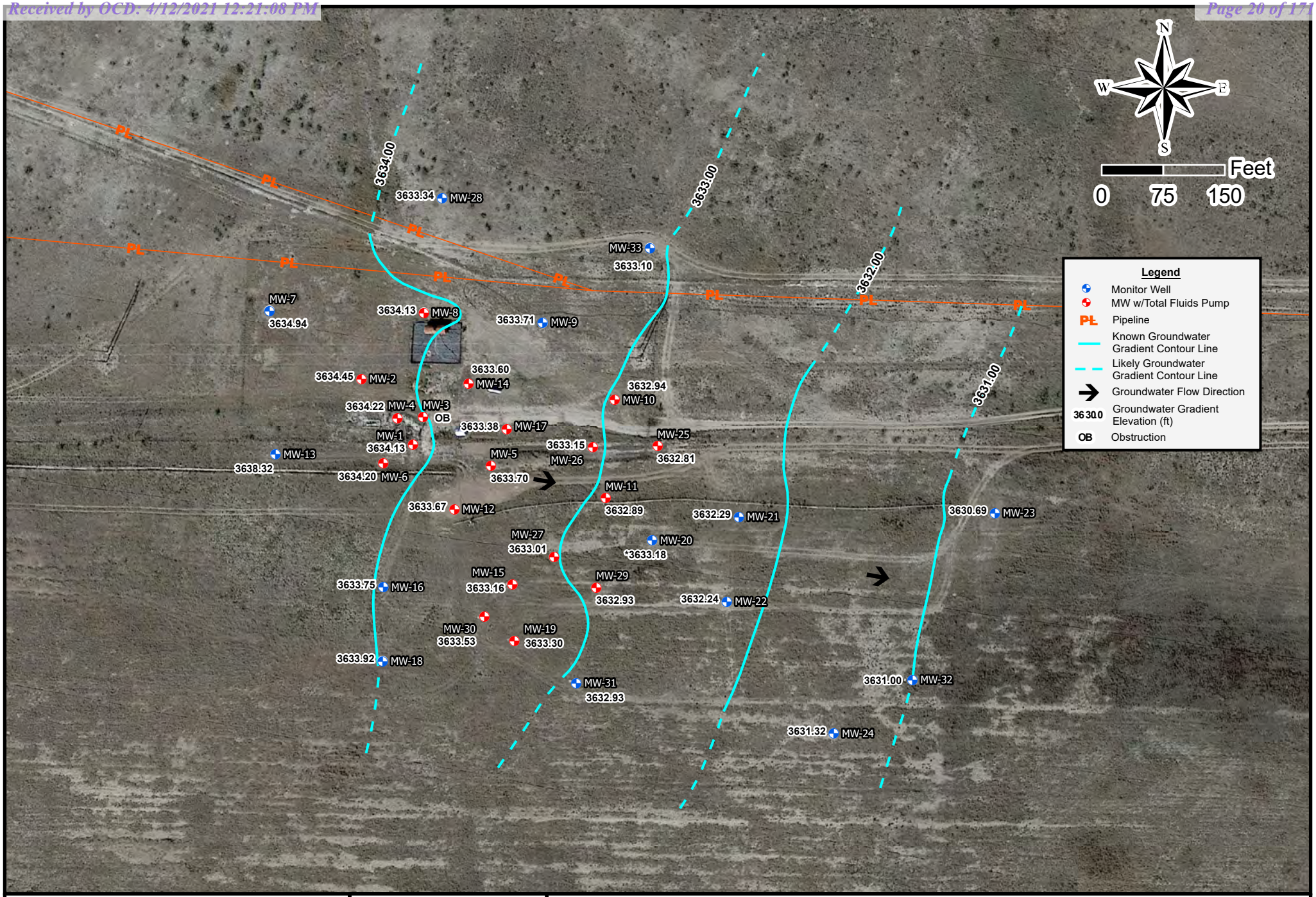
TALON LPE

Drafted: 9/24/2020
1 in = 150 ft
Drafted By: NRC

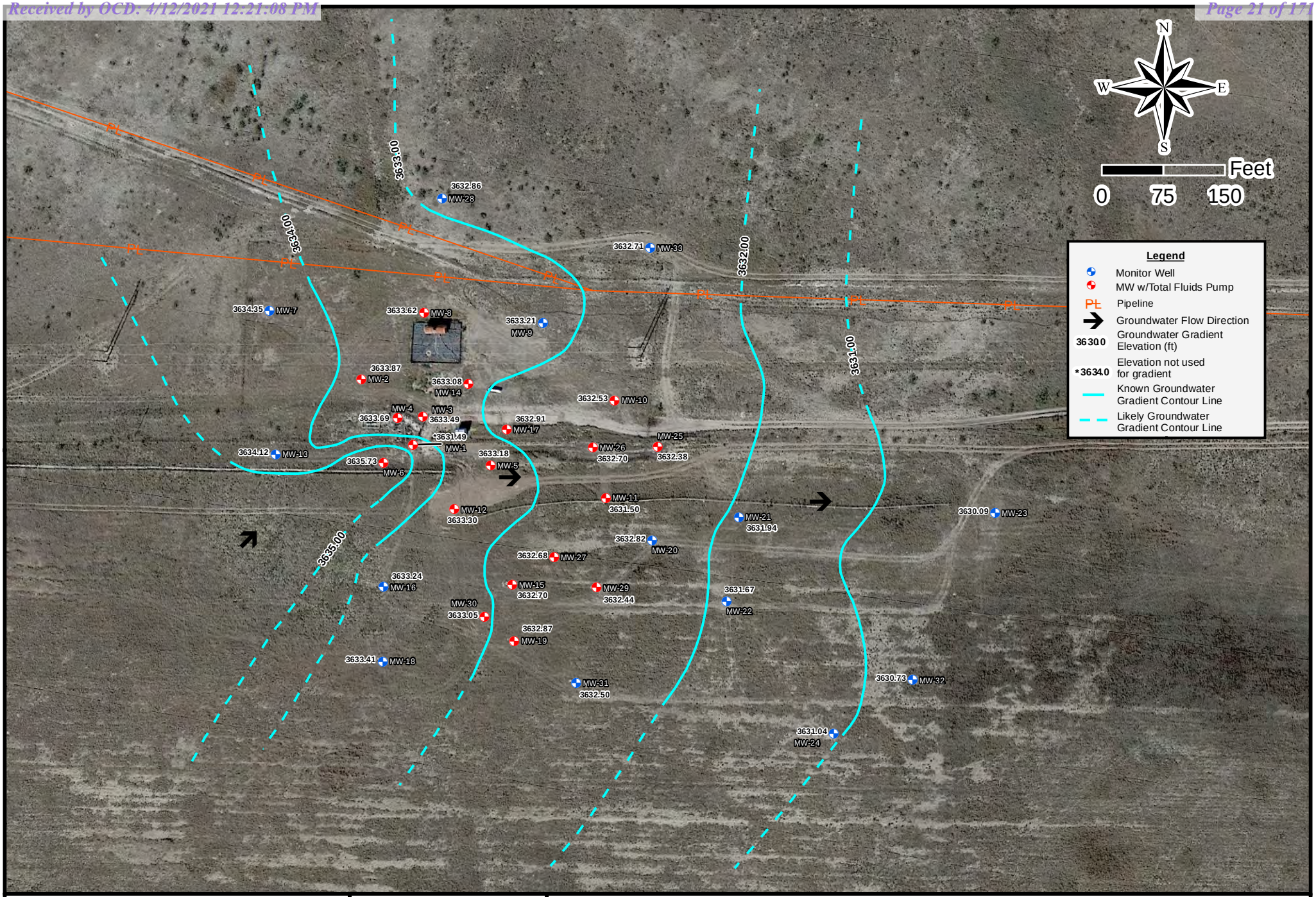
Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. # AP-054
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
Figure 1 - Site Plan



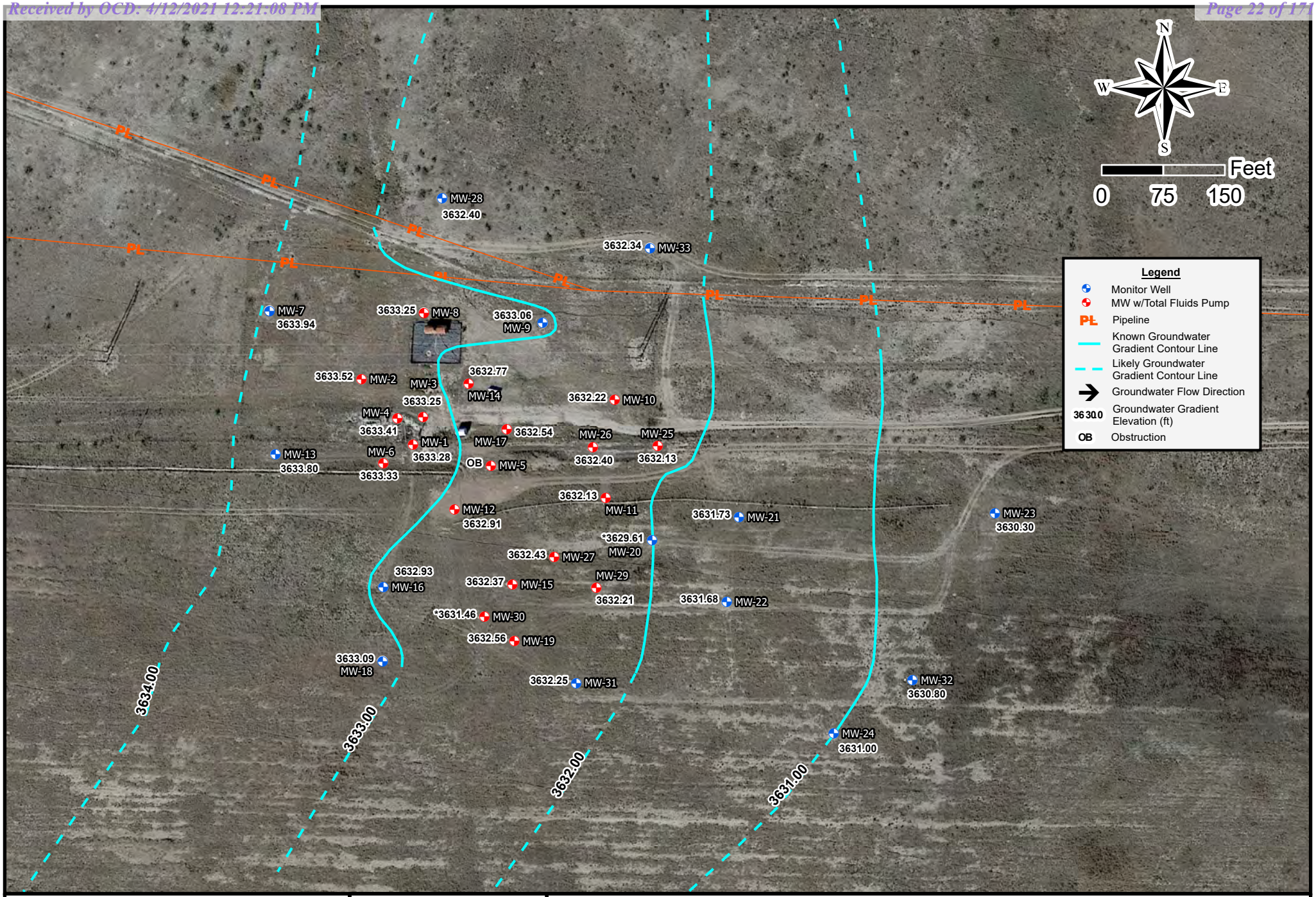
TALON LPE	Drafted: 4/27/2020 1 in = 150 ft Drafted By: NRC	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. # AP-054 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico Figure 2a - Groundwater Gradient Map (03/23/2020)



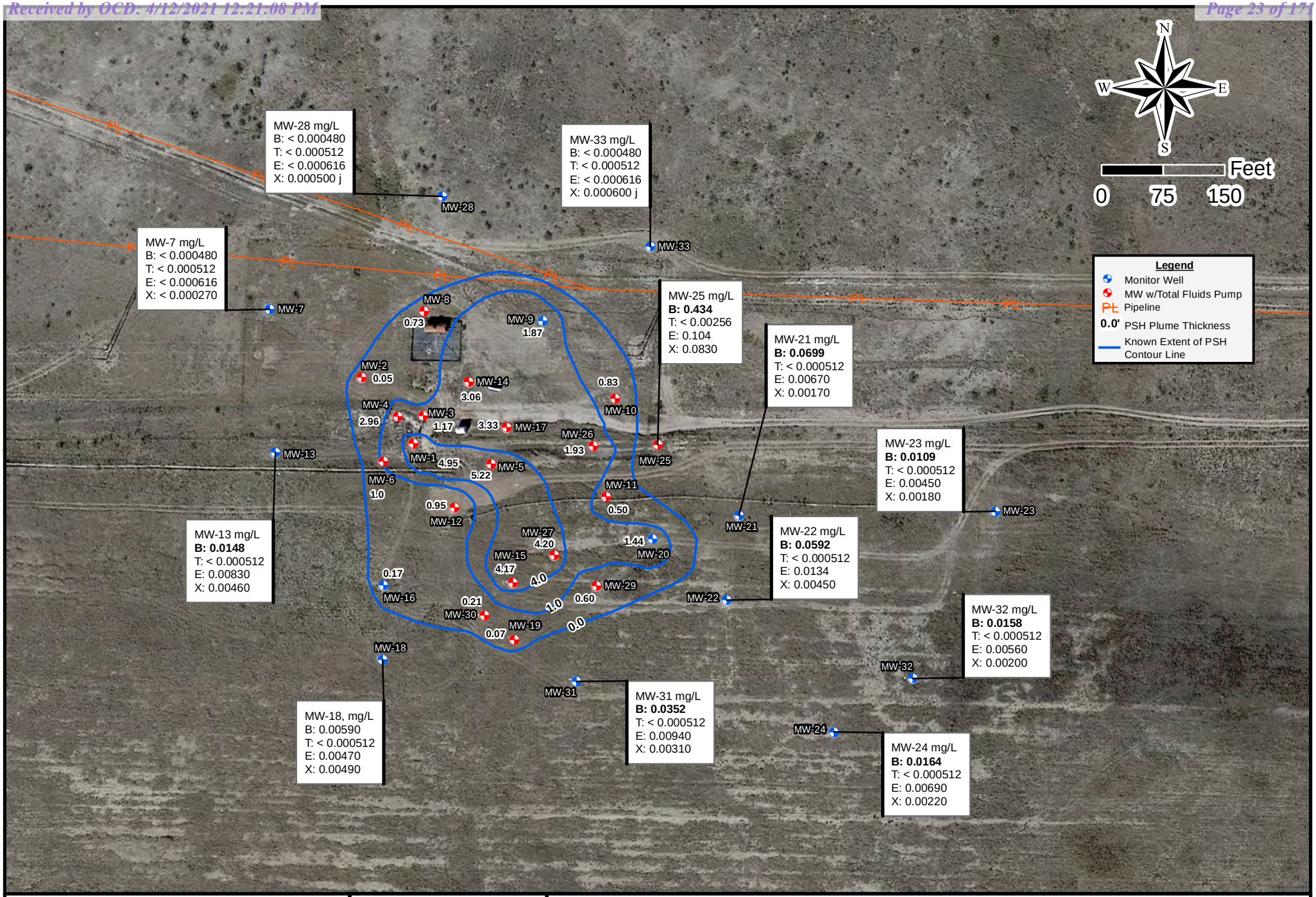
TALON LPE	Drafted: 1/20/2021 1 in = 150 ft Drafted By: NRC	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. # AP-054 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico Figure 2b - Groundwater Gradient Map (6/24/2020)



TALON LPE	Drafted: 10/15/2020 1 in = 150 ft Drafted By: NRC	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. # AP-054 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico Figure 2c - Groundwater Gradient Map (09/10/2020)



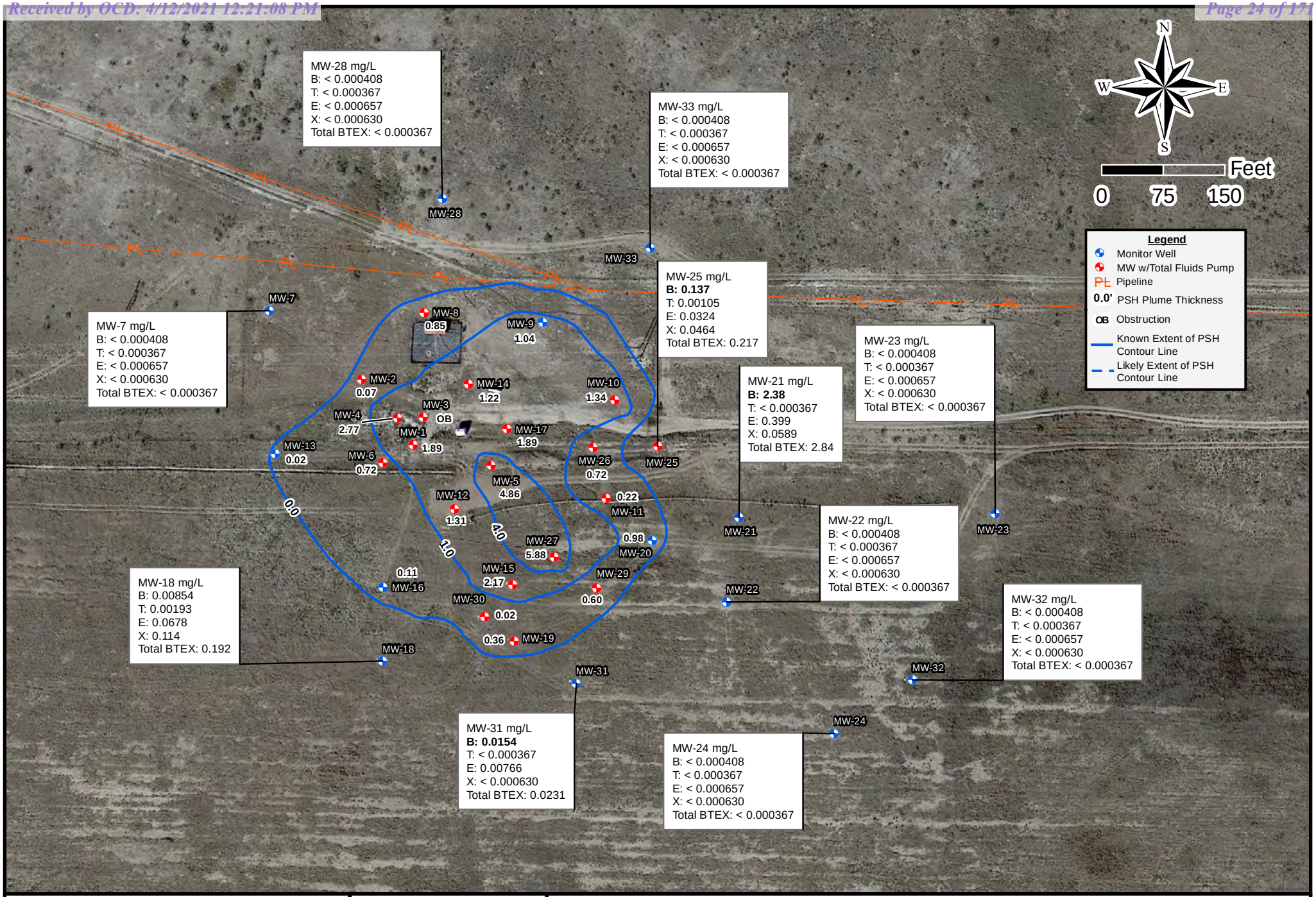
TALON LPE	Drafted: 12/30/2020 1 in = 150 ft Drafted By: NRC	Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. # AP-054 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico Figure 2d - Groundwater Gradient Map (12/03/2020)



TALON LPE

Drafted: 4/27/2020
1 in = 150 ft
Drafted By: NRC

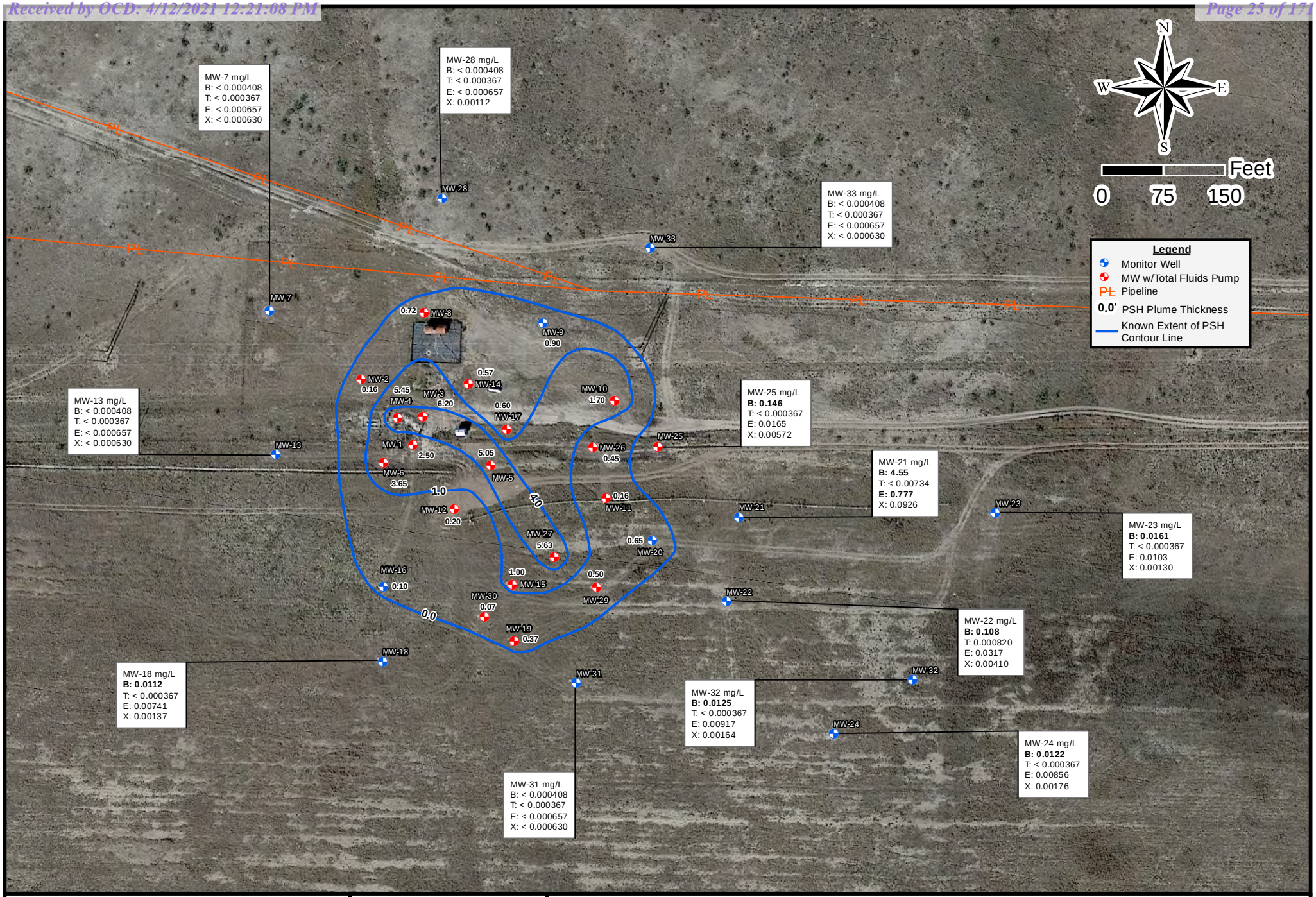
Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. # AP-054
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/25/2020)



TALON LPE

Drafted: 9/24/2020
1 in = 150 ft
Drafted By: NRC

Hobbs Junction Mainline
SRS # 2003-00017, NMOCD REF. # AP-054
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
Figure 3b - PSH Thickness and Groundwater Concentration Map (06/24-25/2020)



TALON LPE

Drafted: 10/15/2020

1 in = 150 ft

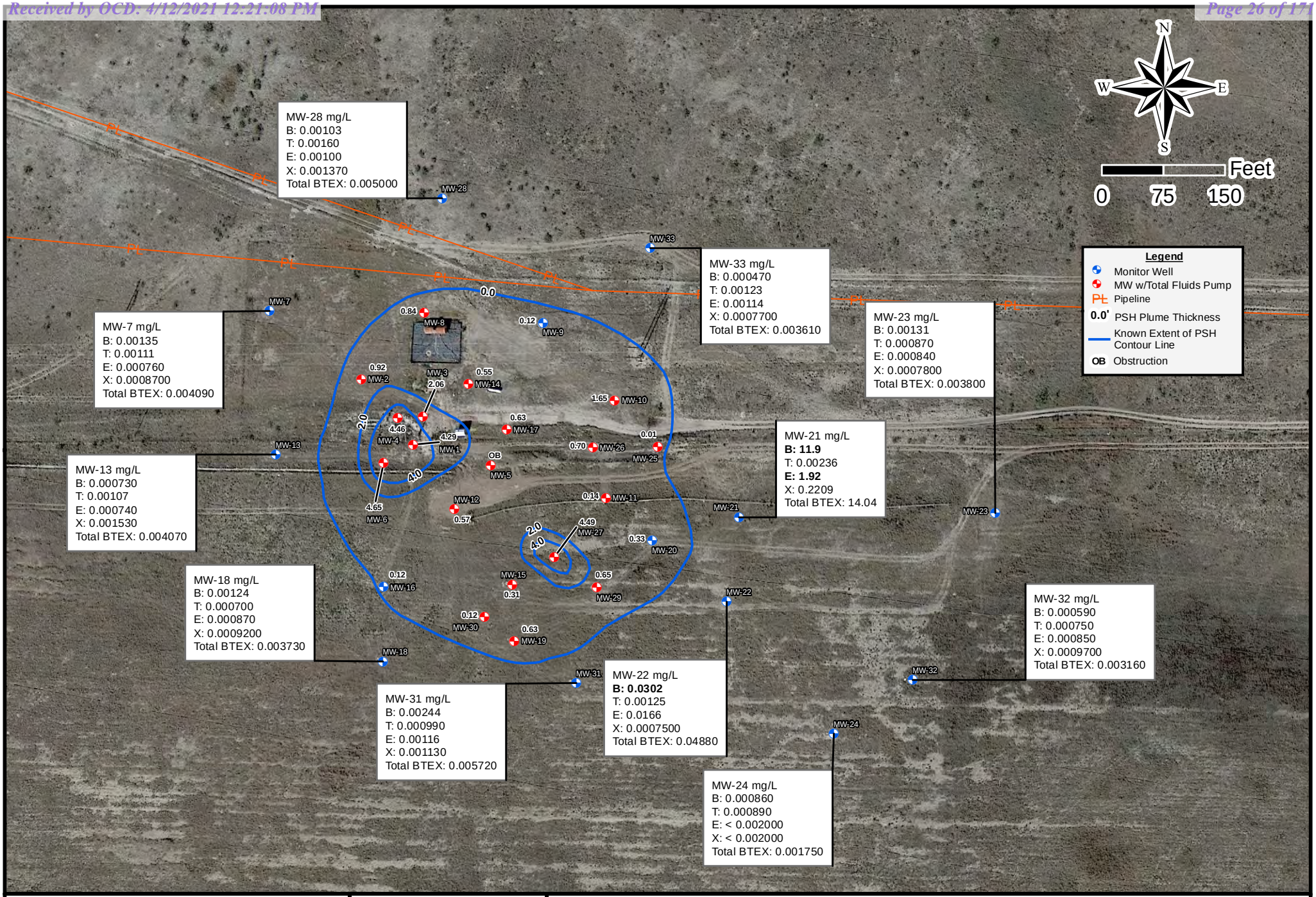
Drafted By: NRC

Hobbs Junction Mainline

SRS # 2003-00017, NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 3c - PSH Thickness and Groundwater Concentration Map (09/10-11/2020)



TALON LPE

Drafted: 12/30/2020

1 in = 150 ft

Drafted By: NRC

Hobbs Junction Mainline

SRS # 2003-00017, NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 3d - PSH Thickness and Groundwater Concentration Map (12/03/2020)

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
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
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

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
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	-	-	-
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

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
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
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

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
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
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

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-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	-	-	3633.8
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	3633.6
				09/10/2020	46.40	45.83	0.57	3633.08
				12/03/2020	46.69	46.14	0.55	3632.77
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

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
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
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

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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
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
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

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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
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
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	-	-	3,631.00

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-25 4"	3676.83	37	57	03/09/2016	42.55	42.06	0.49	3634.69
				06/08/2016	NL	-	-	-
				09/21/2016	42.91	42.33	0.58	3634.40
				12/07/2016	42.80	-	-	3634.03
				03/22/2017	42.38	-	-	3634.45
				05/24/2017	42.60	-	-	3634.23
				09/18/2017	42.82	-	-	3634.01
				12/13/2017	42.89	-	-	3633.94
				03/29/2018	43.17	-	-	3633.66
				06/19/2018	43.12	-	-	3633.71
				09/18/2018	43.26	-	-	3633.57
				01/16/2019	43.17	-	-	3633.66
				03/19/2019	43.31	-	-	3633.52
				06/26/2019	43.35	-	-	3633.48
				09/20/2019	43.53	43.52	0.01	3633.31
				12/11/2019	43.67	43.65	0.02	3633.18
				03/23/2020	43.73	-	-	3633.10
				06/24/2020	44.02	-	-	3632.81
				09/11/2020	44.45	-	-	3632.38
				12/03/2020	44.71	44.70	0.01	3632.13
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
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	4.2	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

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-28 2"	3678.86	40	60	03/09/2016	43.43	-	-	3635.43
				06/08/2016	43.45	-	-	3635.41
				09/21/2016	43.65	-	-	3635.21
				12/07/2016	43.85	-	-	3635.01
				03/22/2017	43.80	-	-	3635.06
				05/24/2017	43.88	-	-	3634.98
				09/18/2017	44.05	-	-	3634.81
				12/13/2017	44.16	-	-	3634.70
				03/29/2018	44.34	-	-	3634.52
				06/19/2018	44.47	-	-	3634.39
				09/18/2018	44.56	-	-	3634.30
				01/14/2019	44.60	-	-	3634.26
				03/19/2019	44.65	-	-	3634.21
				06/26/2019	44.80	-	-	3634.06
				09/20/2019	44.91	-	-	3633.95
				12/10/2019	45.00	-	-	3633.86
				03/23/2020	45.08	-	-	3633.78
				06/24/2020	45.52	-	-	3633.34
				09/08/2020	46.00	-	-	3632.86
				12/03/2020	46.46	-	-	3632.40
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
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

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
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	-	-	3,631.00
				09/11/2020	41.75	-	-	3630.73
				12/03/2020	41.68	-	-	3630.80

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

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
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
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

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
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
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
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

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-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
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
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
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

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
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

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

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

Analytical Report 656971

for

Talon LPE-Artesia

Project Manager: David Adkins

Hobbs Jct Mainline

700376 052 11

01-APR-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

01-APR-20

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **656971**
Hobbs Jct Mainline
Project Address:

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656971. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656971 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

Sample Cross Reference 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW28	W	03-25-20 08:15		656971-001
MW33	W	03-25-20 08:40		656971-002
MW7	W	03-25-20 09:15		656971-003
MW25	W	03-25-20 10:15		656971-004
MW13	W	03-25-20 10:45		656971-005
MW18	W	03-25-20 11:15		656971-006
MW21	W	03-25-20 11:45		656971-007
MW22	W	03-25-20 12:15		656971-008
MW24	W	03-25-20 13:10		656971-009
MW32	W	03-25-20 14:10		656971-010
MW23	W	03-25-20 14:40		656971-011
MW31	W	03-25-20 12:45		656971-012

CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Hobbs Jct Mainline

Project ID:	*700376 052 11*	Report Date:	*01-APR-20*
Work Order Number(s):	*656971*	Date Received:	*03/26/2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121558 BTEX by EPA 8021

Surrogate 4-Bromofluorobenzene, Surrogate a,a,a-Trifluorotoluene recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7700235-1-BKS,7700235-1-BLK,7700235-1-BSD,656971-004 S,656971-004 SD.

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW28** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-001 Date Collected: 03.25.20 08.15

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.21

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	<0.0000858	0.000196	0.0000858	mg/L	03.27.20 16.23	U	1
2-Methylnaphthalene	91-57-6	<0.0000984	0.000196	0.0000984	mg/L	03.27.20 16.23	U	1
Acenaphthene	83-32-9	<0.000108	0.000196	0.000108	mg/L	03.27.20 16.23	U	1
Acenaphthylene	208-96-8	<0.0000908	0.000196	0.0000908	mg/L	03.27.20 16.23	U	1
Anthracene	120-12-7	<0.0000934	0.000196	0.0000934	mg/L	03.27.20 16.23	U	1
Benzo(a)anthracene	56-55-3	<0.000145	0.000196	0.000145	mg/L	03.27.20 16.23	U	1
Benzo(a)pyrene	50-32-8	<0.0000615	0.000196	0.0000615	mg/L	03.27.20 16.23	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000767	0.000196	0.0000767	mg/L	03.27.20 16.23	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000122	0.000196	0.000122	mg/L	03.27.20 16.23	U	1
Benzo(k)fluoranthene	207-08-9	<0.000125	0.000196	0.000125	mg/L	03.27.20 16.23	U	1
Chrysene	218-01-9	<0.000168	0.000196	0.000168	mg/L	03.27.20 16.23	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000820	0.000196	0.0000820	mg/L	03.27.20 16.23	U	1
Fluoranthene	206-44-0	<0.000170	0.000196	0.000170	mg/L	03.27.20 16.23	U	1
Fluorene	86-73-7	<0.000109	0.000196	0.000109	mg/L	03.27.20 16.23	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000985	0.000196	0.0000985	mg/L	03.27.20 16.23	U	1
Naphthalene	91-20-3	<0.000105	0.000392	0.000105	mg/L	03.27.20 16.23	U	1
Phenanthrene	85-01-8	<0.0000917	0.000196	0.0000917	mg/L	03.27.20 16.23	U	1
Pyrene	129-00-0	<0.000141	0.000196	0.000141	mg/L	03.27.20 16.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	116	%	54-146	03.27.20 16.23	
Nitrobenzene-d5	4165-60-0	102	%	46-151	03.27.20 16.23	
Terphenyl-D14	1718-51-0	124	%	51-139	03.27.20 16.23	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW28**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-001	Date Collected:	03.25.20 08.15		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.27.20 19.24	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 19.24	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.27.20 19.24	U	1
m_p-Xylenes	179601-23-1	**0.000500**	0.00200	0.000454	mg/L	03.27.20 19.24	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.27.20 19.24	U	1
Xylenes, Total	1330-20-7	**0.000500**	0.00100	0.000270	mg/L	03.27.20 19.24	J	1
Total BTEX		**0.000500**	0.00100	0.000270	mg/L	03.27.20 19.24	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	102	%	66-120	03.27.20 19.24	
4-Bromofluorobenzene	460-00-4	107	%	67-120	03.27.20 19.24	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW33** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-002 Date Collected: 03.25.20 08.40

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.24

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	<0.0000821	0.000188	0.0000821	mg/L	03.27.20 16.41	U	1
2-Methylnaphthalene	91-57-6	<0.0000942	0.000188	0.0000942	mg/L	03.27.20 16.41	U	1
Acenaphthene	83-32-9	<0.000103	0.000188	0.000103	mg/L	03.27.20 16.41	U	1
Acenaphthylene	208-96-8	<0.0000869	0.000188	0.0000869	mg/L	03.27.20 16.41	U	1
Anthracene	120-12-7	<0.0000894	0.000188	0.0000894	mg/L	03.27.20 16.41	U	1
Benzo(a)anthracene	56-55-3	<0.000139	0.000188	0.000139	mg/L	03.27.20 16.41	U	1
Benzo(a)pyrene	50-32-8	<0.0000589	0.000188	0.0000589	mg/L	03.27.20 16.41	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000734	0.000188	0.0000734	mg/L	03.27.20 16.41	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000117	0.000188	0.000117	mg/L	03.27.20 16.41	U	1
Benzo(k)fluoranthene	207-08-9	<0.000120	0.000188	0.000120	mg/L	03.27.20 16.41	U	1
Chrysene	218-01-9	<0.000161	0.000188	0.000161	mg/L	03.27.20 16.41	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000784	0.000188	0.0000784	mg/L	03.27.20 16.41	U	1
Fluoranthene	206-44-0	<0.000162	0.000188	0.000162	mg/L	03.27.20 16.41	U	1
Fluorene	86-73-7	<0.000104	0.000188	0.000104	mg/L	03.27.20 16.41	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000942	0.000188	0.0000942	mg/L	03.27.20 16.41	U	1
Naphthalene	91-20-3	<0.000100	0.000375	0.000100	mg/L	03.27.20 16.41	U	1
Phenanthrene	85-01-8	<0.0000878	0.000188	0.0000878	mg/L	03.27.20 16.41	U	1
Pyrene	129-00-0	<0.000134	0.000188	0.000134	mg/L	03.27.20 16.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	113	%	54-146	03.27.20 16.41	
Nitrobenzene-d5	4165-60-0	100	%	46-151	03.27.20 16.41	
Terphenyl-D14	1718-51-0	105	%	51-139	03.27.20 16.41	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW33**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-002	Date Collected:	03.25.20 08.40		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.27.20 21.11	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 21.11	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.27.20 21.11	U	1
m_p-Xylenes	179601-23-1	**0.000600**	0.00200	0.000454	mg/L	03.27.20 21.11	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.27.20 21.11	U	1
Xylenes, Total	1330-20-7	**0.000600**	0.00100	0.000270	mg/L	03.27.20 21.11	J	1
Total BTEX		**0.000600**	0.00100	0.000270	mg/L	03.27.20 21.11	J	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	104	%	66-120	03.27.20 21.11	
4-Bromofluorobenzene	460-00-4	106	%	67-120	03.27.20 21.11	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW7**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-003	Date Collected:	03.25.20 09.15		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.27.20 21.38	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 21.38	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.27.20 21.38	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.27.20 21.38	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.27.20 21.38	U	1
Xylenes, Total	1330-20-7	<0.000270	0.00100	0.000270	mg/L	03.27.20 21.38	U	1
Total BTEX		<0.000270	0.00100	0.000270	mg/L	03.27.20 21.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	99	%	66-120	03.27.20 21.38	
4-Bromofluorobenzene	460-00-4	106	%	67-120	03.27.20 21.38	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW25**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-004	Date Collected:	03.25.20 10.15		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.30.20 10.24		
Seq Number:	3121558			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.434**	0.00500	0.00240	mg/L	03.31.20 00.45		5
Toluene	108-88-3	<0.00256	0.00500	0.00256	mg/L	03.31.20 00.45	U	5
Ethylbenzene	100-41-4	**0.104**	0.00500	0.00308	mg/L	03.31.20 00.45		5
m_p-Xylenes	179601-23-1	**0.0725**	0.0100	0.00227	mg/L	03.31.20 00.45		5
o-Xylene	95-47-6	**0.0105**	0.00500	0.00135	mg/L	03.31.20 00.45		5
Xylenes, Total	1330-20-7	**0.0830**	0.00500	0.00135	mg/L	03.31.20 00.45		5
Total BTEX		**0.621**	0.00500	0.00135	mg/L	03.31.20 00.45		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	118	%	66-120	03.31.20 00.45	
4-Bromofluorobenzene	460-00-4	116	%	67-120	03.31.20 00.45	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW13**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-005	Date Collected:	03.25.20 10.45		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.30.20 10.24		
Seq Number:	3121558			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0148**	0.00100	0.000480	mg/L	03.31.20 02.44		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.31.20 02.44	U	1
Ethylbenzene	100-41-4	**0.00830**	0.00100	0.000616	mg/L	03.31.20 02.44		1
m_p-Xylenes	179601-23-1	**0.00460**	0.00200	0.000454	mg/L	03.31.20 02.44		1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.31.20 02.44	U	1
Xylenes, Total	1330-20-7	**0.00460**	0.00100	0.000270	mg/L	03.31.20 02.44		1
Total BTEX		**0.0277**	0.00100	0.000270	mg/L	03.31.20 02.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	113	%	66-120	03.31.20 02.44	
4-Bromofluorobenzene	460-00-4	114	%	67-120	03.31.20 02.44	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW18** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-006 Date Collected: 03.25.20 11.15

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.27

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	**0.000123**	0.000197	0.0000861	mg/L	03.27.20 16.58	J	1
2-Methylnaphthalene	91-57-6	<0.0000988	0.000197	0.0000988	mg/L	03.27.20 16.58	U	1
Acenaphthene	83-32-9	<0.000108	0.000197	0.000108	mg/L	03.27.20 16.58	U	1
Acenaphthylene	208-96-8	<0.0000911	0.000197	0.0000911	mg/L	03.27.20 16.58	U	1
Anthracene	120-12-7	<0.0000938	0.000197	0.0000938	mg/L	03.27.20 16.58	U	1
Benzo(a)anthracene	56-55-3	<0.000146	0.000197	0.000146	mg/L	03.27.20 16.58	U	1
Benzo(a)pyrene	50-32-8	<0.0000618	0.000197	0.0000618	mg/L	03.27.20 16.58	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000770	0.000197	0.0000770	mg/L	03.27.20 16.58	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000123	0.000197	0.000123	mg/L	03.27.20 16.58	U	1
Benzo(k)fluoranthene	207-08-9	<0.000126	0.000197	0.000126	mg/L	03.27.20 16.58	U	1
Chrysene	218-01-9	<0.000169	0.000197	0.000169	mg/L	03.27.20 16.58	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000823	0.000197	0.0000823	mg/L	03.27.20 16.58	U	1
Fluoranthene	206-44-0	<0.000170	0.000197	0.000170	mg/L	03.27.20 16.58	U	1
Fluorene	86-73-7	<0.000109	0.000197	0.000109	mg/L	03.27.20 16.58	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000989	0.000197	0.0000989	mg/L	03.27.20 16.58	U	1
Naphthalene	91-20-3	**0.000197**	0.000394	0.000105	mg/L	03.27.20 16.58	J	1
Phenanthrene	85-01-8	<0.0000921	0.000197	0.0000921	mg/L	03.27.20 16.58	U	1
Pyrene	129-00-0	<0.000141	0.000197	0.000141	mg/L	03.27.20 16.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	118	%	54-146	03.27.20 16.58	
Nitrobenzene-d5	4165-60-0	103	%	46-151	03.27.20 16.58	
Terphenyl-D14	1718-51-0	129	%	51-139	03.27.20 16.58	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW18**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-006	Date Collected:	03.25.20 11.15		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00590**	0.00100	0.000480	mg/L	03.27.20 22.58		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 22.58	U	1
Ethylbenzene	100-41-4	**0.00470**	0.00100	0.000616	mg/L	03.27.20 22.58		1
m_p-Xylenes	179601-23-1	**0.00370**	0.00200	0.000454	mg/L	03.27.20 22.58		1
o-Xylene	95-47-6	**0.00120**	0.00100	0.000270	mg/L	03.27.20 22.58		1
Xylenes, Total	1330-20-7	**0.00490**	0.00100	0.000270	mg/L	03.27.20 22.58		1
Total BTEX		**0.0155**	0.00100	0.000270	mg/L	03.27.20 22.58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	98	%	66-120	03.27.20 22.58	
4-Bromofluorobenzene	460-00-4	107	%	67-120	03.27.20 22.58	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW21** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-007 Date Collected: 03.25.20 11.45

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.30

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	**0.00254**	0.000205	0.0000899	mg/L	03.27.20 17.15		1
2-Methylnaphthalene	91-57-6	**0.000134**	0.000205	0.000103	mg/L	03.27.20 17.15	J	1
Acenaphthene	83-32-9	<0.000113	0.000205	0.000113	mg/L	03.27.20 17.15	U	1
Acenaphthylene	208-96-8	<0.0000951	0.000205	0.0000951	mg/L	03.27.20 17.15	U	1
Anthracene	120-12-7	<0.0000979	0.000205	0.0000979	mg/L	03.27.20 17.15	U	1
Benzo(a)anthracene	56-55-3	<0.000152	0.000205	0.000152	mg/L	03.27.20 17.15	U	1
Benzo(a)pyrene	50-32-8	<0.0000645	0.000205	0.0000645	mg/L	03.27.20 17.15	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000803	0.000205	0.0000803	mg/L	03.27.20 17.15	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000128	0.000205	0.000128	mg/L	03.27.20 17.15	U	1
Benzo(k)fluoranthene	207-08-9	<0.000131	0.000205	0.000131	mg/L	03.27.20 17.15	U	1
Chrysene	218-01-9	<0.000176	0.000205	0.000176	mg/L	03.27.20 17.15	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000859	0.000205	0.0000859	mg/L	03.27.20 17.15	U	1
Fluoranthene	206-44-0	<0.000178	0.000205	0.000178	mg/L	03.27.20 17.15	U	1
Fluorene	86-73-7	**0.000376**	0.000205	0.000114	mg/L	03.27.20 17.15		1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000103	0.000205	0.000103	mg/L	03.27.20 17.15	U	1
Naphthalene	91-20-3	**0.00128**	0.000411	0.000110	mg/L	03.27.20 17.15		1
Phenanthrene	85-01-8	**0.000389**	0.000205	0.0000961	mg/L	03.27.20 17.15		1
Pyrene	129-00-0	<0.000147	0.000205	0.000147	mg/L	03.27.20 17.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	111	%	54-146	03.27.20 17.15	
Nitrobenzene-d5	4165-60-0	98	%	46-151	03.27.20 17.15	
Terphenyl-D14	1718-51-0	110	%	51-139	03.27.20 17.15	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW21**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-007	Date Collected:	03.25.20 11.45		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0699**	0.00100	0.000480	mg/L	03.27.20 23.25		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 23.25	U	1
Ethylbenzene	100-41-4	**0.00670**	0.00100	0.000616	mg/L	03.27.20 23.25		1
m_p-Xylenes	179601-23-1	**0.00170**	0.00200	0.000454	mg/L	03.27.20 23.25	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.27.20 23.25	U	1
Xylenes, Total	1330-20-7	**0.00170**	0.00100	0.000270	mg/L	03.27.20 23.25		1
Total BTEX		**0.0783**	0.00100	0.000270	mg/L	03.27.20 23.25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	93	%	66-120	03.27.20 23.25	
4-Bromofluorobenzene	460-00-4	105	%	67-120	03.27.20 23.25	

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Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW22** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-008 Date Collected: 03.25.20 12.15

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.33

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	**0.000550**	0.000188	0.0000822	mg/L	03.27.20 17.33		1
2-Methylnaphthalene	91-57-6	<0.0000943	0.000188	0.0000943	mg/L	03.27.20 17.33	U	1
Acenaphthene	83-32-9	<0.000103	0.000188	0.000103	mg/L	03.27.20 17.33	U	1
Acenaphthylene	208-96-8	<0.0000870	0.000188	0.0000870	mg/L	03.27.20 17.33	U	1
Anthracene	120-12-7	<0.0000895	0.000188	0.0000895	mg/L	03.27.20 17.33	U	1
Benzo(a)anthracene	56-55-3	<0.000139	0.000188	0.000139	mg/L	03.27.20 17.33	U	1
Benzo(a)pyrene	50-32-8	<0.0000589	0.000188	0.0000589	mg/L	03.27.20 17.33	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000734	0.000188	0.0000734	mg/L	03.27.20 17.33	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000117	0.000188	0.000117	mg/L	03.27.20 17.33	U	1
Benzo(k)fluoranthene	207-08-9	<0.000120	0.000188	0.000120	mg/L	03.27.20 17.33	U	1
Chrysene	218-01-9	<0.000161	0.000188	0.000161	mg/L	03.27.20 17.33	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000785	0.000188	0.0000785	mg/L	03.27.20 17.33	U	1
Fluoranthene	206-44-0	<0.000162	0.000188	0.000162	mg/L	03.27.20 17.33	U	1
Fluorene	86-73-7	<0.000104	0.000188	0.000104	mg/L	03.27.20 17.33	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000943	0.000188	0.0000943	mg/L	03.27.20 17.33	U	1
Naphthalene	91-20-3	**0.000225**	0.000376	0.000100	mg/L	03.27.20 17.33	J	1
Phenanthrene	85-01-8	<0.0000879	0.000188	0.0000879	mg/L	03.27.20 17.33	U	1
Pyrene	129-00-0	<0.000135	0.000188	0.000135	mg/L	03.27.20 17.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	118	%	54-146	03.27.20 17.33	
Nitrobenzene-d5	4165-60-0	103	%	46-151	03.27.20 17.33	
Terphenyl-D14	1718-51-0	90	%	51-139	03.27.20 17.33	

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Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW22**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-008	Date Collected:	03.25.20 12.15		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0592**	0.00100	0.000480	mg/L	03.27.20 23.52		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.27.20 23.52	U	1
Ethylbenzene	100-41-4	**0.0134**	0.00100	0.000616	mg/L	03.27.20 23.52		1
m_p-Xylenes	179601-23-1	**0.00370**	0.00200	0.000454	mg/L	03.27.20 23.52		1
o-Xylene	95-47-6	**0.000800**	0.00100	0.000270	mg/L	03.27.20 23.52	J	1
Xylenes, Total	1330-20-7	**0.00450**	0.00100	0.000270	mg/L	03.27.20 23.52		1
Total BTEX		**0.0771**	0.00100	0.000270	mg/L	03.27.20 23.52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	94	%	66-120	03.27.20 23.52	
4-Bromofluorobenzene	460-00-4	104	%	67-120	03.27.20 23.52	

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Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW24**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-009	Date Collected:	03.25.20 13.10		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0164**	0.00100	0.000480	mg/L	03.28.20 00.19		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.28.20 00.19	U	1
Ethylbenzene	100-41-4	**0.00690**	0.00100	0.000616	mg/L	03.28.20 00.19		1
m_p-Xylenes	179601-23-1	**0.00220**	0.00200	0.000454	mg/L	03.28.20 00.19		1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.28.20 00.19	U	1
Xylenes, Total	1330-20-7	**0.00220**	0.00100	0.000270	mg/L	03.28.20 00.19		1
Total BTEX		**0.0255**	0.00100	0.000270	mg/L	03.28.20 00.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	97	%	66-120	03.28.20 00.19	
4-Bromofluorobenzene	460-00-4	105	%	67-120	03.28.20 00.19	

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Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW32**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-010	Date Collected:	03.25.20 14.10		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0158**	0.00100	0.000480	mg/L	03.28.20 00.46		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.28.20 00.46	U	1
Ethylbenzene	100-41-4	**0.00560**	0.00100	0.000616	mg/L	03.28.20 00.46		1
m_p-Xylenes	179601-23-1	**0.00200**	0.00200	0.000454	mg/L	03.28.20 00.46	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.28.20 00.46	U	1
Xylenes, Total	1330-20-7	**0.00200**	0.00100	0.000270	mg/L	03.28.20 00.46		1
Total BTEX		**0.0234**	0.00100	0.000270	mg/L	03.28.20 00.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	101	%	66-120	03.28.20 00.46	
4-Bromofluorobenzene	460-00-4	108	%	67-120	03.28.20 00.46	

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Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW23**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-011	Date Collected:	03.25.20 14.40		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0109**	0.00100	0.000480	mg/L	03.28.20 02.59		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.28.20 02.59	U	1
Ethylbenzene	100-41-4	**0.00450**	0.00100	0.000616	mg/L	03.28.20 02.59		1
m_p-Xylenes	179601-23-1	**0.00180**	0.00200	0.000454	mg/L	03.28.20 02.59	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.28.20 02.59	U	1
Xylenes, Total	1330-20-7	**0.00180**	0.00100	0.000270	mg/L	03.28.20 02.59		1
Total BTEX		**0.0172**	0.00100	0.000270	mg/L	03.28.20 02.59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	96	%	66-120	03.28.20 02.59	
4-Bromofluorobenzene	460-00-4	107	%	67-120	03.28.20 02.59	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id: **MW31** Matrix: Ground Water Date Received:03.26.20 08.10

Lab Sample Id: 656971-012 Date Collected: 03.25.20 12.45

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Tech: AHI % Moisture:

Analyst: DNE Date Prep: 03.27.20 14.36

Seq Number: 3121207 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene	90-12-0	**0.0000973**	0.000186	0.0000812	mg/L	03.27.20 17.50	J	1
2-Methylnaphthalene	91-57-6	<0.0000932	0.000186	0.0000932	mg/L	03.27.20 17.50	U	1
Acenaphthene	83-32-9	<0.000102	0.000186	0.000102	mg/L	03.27.20 17.50	U	1
Acenaphthylene	208-96-8	<0.0000860	0.000186	0.0000860	mg/L	03.27.20 17.50	U	1
Anthracene	120-12-7	<0.0000885	0.000186	0.0000885	mg/L	03.27.20 17.50	U	1
Benzo(a)anthracene	56-55-3	<0.000137	0.000186	0.000137	mg/L	03.27.20 17.50	U	1
Benzo(a)pyrene	50-32-8	<0.0000583	0.000186	0.0000583	mg/L	03.27.20 17.50	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000726	0.000186	0.0000726	mg/L	03.27.20 17.50	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000116	0.000186	0.000116	mg/L	03.27.20 17.50	U	1
Benzo(k)fluoranthene	207-08-9	<0.000119	0.000186	0.000119	mg/L	03.27.20 17.50	U	1
Chrysene	218-01-9	<0.000159	0.000186	0.000159	mg/L	03.27.20 17.50	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000776	0.000186	0.0000776	mg/L	03.27.20 17.50	U	1
Fluoranthene	206-44-0	<0.000161	0.000186	0.000161	mg/L	03.27.20 17.50	U	1
Fluorene	86-73-7	<0.000103	0.000186	0.000103	mg/L	03.27.20 17.50	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000933	0.000186	0.0000933	mg/L	03.27.20 17.50	U	1
Naphthalene	91-20-3	**0.000153**	0.000371	0.0000993	mg/L	03.27.20 17.50	J	1
Phenanthrene	85-01-8	<0.0000869	0.000186	0.0000869	mg/L	03.27.20 17.50	U	1
Pyrene	129-00-0	<0.000133	0.000186	0.000133	mg/L	03.27.20 17.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	117	%	54-146	03.27.20 17.50	
Nitrobenzene-d5	4165-60-0	104	%	46-151	03.27.20 17.50	
Terphenyl-D14	1718-51-0	94	%	51-139	03.27.20 17.50	

Certificate of Analytical Results 656971

Talon LPE-Artesia, Artesia, NM

Hobbs Jct Mainline

Sample Id:	**MW31**	Matrix:	Ground Water	Date Received:	03.26.20 08.10
Lab Sample Id:	656971-012	Date Collected:	03.25.20 12.45		
Analytical Method:	BTEX by EPA 8021			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	03.27.20 16.00		
Seq Number:	3121284			SUB:	T104704219-19-21

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0352**	0.00100	0.000480	mg/L	03.28.20 03.26		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.28.20 03.26	U	1
Ethylbenzene	100-41-4	**0.00940**	0.00100	0.000616	mg/L	03.28.20 03.26		1
m_p-Xylenes	179601-23-1	**0.00310**	0.00200	0.000454	mg/L	03.28.20 03.26		1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.28.20 03.26	U	1
Xylenes, Total	1330-20-7	**0.00310**	0.00100	0.000270	mg/L	03.28.20 03.26		1
Total BTEX		**0.0477**	0.00100	0.000270	mg/L	03.28.20 03.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
a,a,a-Trifluorotoluene	98-08-8	96	%	66-120	03.28.20 03.26	
4-Bromofluorobenzene	460-00-4	104	%	67-120	03.28.20 03.26	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 656971

Talon LPE-Artesia

Hobbs Jct Mainline

Analytical Method: PAHs by SW846 8270D SIM | Prep Method: SW3511

Seq Number: 3121207 | Matrix: Water | Date Prep: 03.26.20

MB Sample Id: 7699803-1-BLK | LCS Sample Id: 7699803-1-BKS | LCSD Sample Id: 7699803-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1-Methylnaphthalene	<0.0000795	0.0182	0.0189	104	0.0195	107	70-126	3	30	mg/L	03.26.20 17:43	
2-Methylnaphthalene	<0.0000913	0.0182	0.0200	110	0.0206	113	74-121	3	30	mg/L	03.26.20 17:43	
Acenaphthene	<0.000100	0.0182	0.0190	104	0.0193	106	75-127	2	30	mg/L	03.26.20 17:43	
Acenaphthylene	<0.0000842	0.0182	0.0185	102	0.0189	104	78-133	2	30	mg/L	03.26.20 17:43	
Anthracene	<0.0000866	0.0182	0.0193	106	0.0198	109	73-145	3	30	mg/L	03.26.20 17:43	
Benzo(a)anthracene	<0.000134	0.0182	0.0189	104	0.0191	105	77-131	1	30	mg/L	03.26.20 17:43	
Benzo(a)pyrene	<0.0000571	0.0182	0.0179	98	0.0185	102	56-163	3	30	mg/L	03.26.20 17:43	
Benzo(b)fluoranthene	<0.0000711	0.0182	0.0179	98	0.0185	102	74-138	3	30	mg/L	03.26.20 17:43	
Benzo(g,h,i)perylene	<0.000113	0.0182	0.0159	87	0.0165	91	77-127	4	30	mg/L	03.26.20 17:43	
Benzo(k)fluoranthene	<0.000116	0.0182	0.0182	100	0.0187	103	67-142	3	30	mg/L	03.26.20 17:43	
Chrysene	<0.000156	0.0182	0.0183	101	0.0192	105	66-126	5	30	mg/L	03.26.20 17:43	
Dibenz(a,h)anthracene	<0.0000760	0.0182	0.0169	93	0.0175	96	71-142	3	30	mg/L	03.26.20 17:43	
Fluoranthene	<0.000157	0.0182	0.0198	109	0.0204	112	78-138	3	30	mg/L	03.26.20 17:43	
Fluorene	<0.000101	0.0182	0.0198	109	0.0203	112	79-128	2	30	mg/L	03.26.20 17:43	
Indeno(1,2,3-c,d)Pyrene	<0.0000913	0.0182	0.0167	92	0.0174	96	76-140	4	30	mg/L	03.26.20 17:43	
Naphthalene	<0.0000972	0.0182	0.0187	103	0.0192	105	72-122	3	30	mg/L	03.26.20 17:43	
Phenanthrene	<0.0000850	0.0182	0.0192	105	0.0197	108	76-129	3	30	mg/L	03.26.20 17:43	
Pyrene	<0.000130	0.0182	0.0194	107	0.0201	110	74-138	4	30	mg/L	03.26.20 17:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	107		111		108		54-146	%	03.26.20 17:43
Nitrobenzene-d5	99		104		102		46-151	%	03.26.20 17:43
Terphenyl-D14	117		118		117		51-139	%	03.26.20 17:43

Analytical Method: BTEX by EPA 8021 | Prep Method: SW5030B

Seq Number: 3121284 | Matrix: Water | Date Prep: 03.27.20

MB Sample Id: 7700023-1-BLK | LCS Sample Id: 7700023-1-BKS | LCSD Sample Id: 7700023-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000480	0.100	0.104	104	0.107	107	74-120	3	20	mg/L	03.27.20 17:10	
Toluene	<0.000512	0.100	0.111	111	0.112	112	74-120	1	20	mg/L	03.27.20 17:10	
Ethylbenzene	<0.000616	0.100	0.111	111	0.111	111	74-120	0	20	mg/L	03.27.20 17:10	
m_p-Xylenes	<0.000454	0.200	0.220	110	0.220	110	73-120	0	25	mg/L	03.27.20 17:10	
o-Xylene	<0.000270	0.100	0.108	108	0.107	107	73-120	1	25	mg/L	03.27.20 17:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	105		93		93		66-120	%	03.27.20 17:10
4-Bromofluorobenzene	106		99		99		67-120	%	03.27.20 17:10

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 656971

Talon LPE-Artesia

Hobbs Jct Mainline

Analytical Method: **BTEX by EPA 8021** Prep Method: SW5030B

Seq Number: 3121558 Matrix: Water Date Prep: 03.30.20

MB Sample Id: 7700235-1-BLK LCS Sample Id: 7700235-1-BKS LCSD Sample Id: 7700235-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000480	0.100	0.102	102	0.101	101	74-120	1	20	mg/L	03.30.20 22:43	
Toluene	<0.000512	0.100	0.110	110	0.109	109	74-120	1	20	mg/L	03.30.20 22:43	
Ethylbenzene	<0.000616	0.100	0.112	112	0.112	112	74-120	0	20	mg/L	03.30.20 22:43	
m_p-Xylenes	<0.000454	0.200	0.229	115	0.230	115	73-120	0	25	mg/L	03.30.20 22:43	
o-Xylene	<0.000270	0.100	0.113	113	0.113	113	73-120	0	25	mg/L	03.30.20 22:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	127	**	127	**	127	**	66-120	%	03.30.20 22:43
4-Bromofluorobenzene	134	**	131	**	130	**	67-120	%	03.30.20 22:43

Analytical Method: **BTEX by EPA 8021** Prep Method: SW5030B

Seq Number: 3121558 Matrix: Ground Water Date Prep: 03.30.20

Parent Sample Id: 656971-004 MS Sample Id: 656971-004 S MSD Sample Id: 656971-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.434	0.500	0.936	100	0.930	99	15-147	1	25	mg/L	03.31.20 01:09	
Toluene	<0.00256	0.500	0.526	105	0.522	104	11-147	1	25	mg/L	03.31.20 01:09	
Ethylbenzene	0.104	0.500	0.639	107	0.639	107	10-149	0	25	mg/L	03.31.20 01:09	
m_p-Xylenes	0.0725	1.00	1.16	109	1.15	108	62-124	1	25	mg/L	03.31.20 01:09	
o-Xylene	0.0105	0.500	0.541	106	0.544	107	62-124	1	25	mg/L	03.31.20 01:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
a,a,a-Trifluorotoluene	127	**	122	**	66-120	%	03.31.20 01:09
4-Bromofluorobenzene	133	**	127	**	67-120	%	03.31.20 01:09

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Work Order No: 656971

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	David Adkins	Bill to: (if different)	PLAINS All AMERICAN
Company Name:	Talon	Company Name:	PIPELINE
Address:	408 W. Texas Ave.	Address:	ATN # CAMILLE BRYANT
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2003-00017
Phone:	575-616-4022 or 575-746-8905	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Hobbs JT MAINLINE	Turn Around	
Project Number:	700376 052 11	Routine	☒
P.O. Number:	SRS # 2003-00017	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	3.0	Thermometer ID	
Received Intact:	(Yes) No	TNM007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	48

Work Order Notes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	PAH	Sample Comments
MW28	GW	3-25-2020	8:15AM		5	X	X	EMAIL ANALYTICALS
MW33	↑	↑	8:40AM		5	X	X	TO:
MW7			9:15AM		3	X		CAMILLE BRYANT
MW25			10:15AM		3	X		
MW13			10:45AM		3	X		
MW18			11:15AM		5	X	X	
MW21			11:45AM		5	X	X	
MW22			12:15pm		5	X	X	
MW24			1:10pm		3	X		
MW32	↓	↓	2:10pm		3	X		

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr 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 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Bill Riggs		3/26/20 08:10	2		
3			4		
5			6		

Chain of Custody

Work Order No: 656971

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	David Adkins	Bill to: (if different)	Mains All American
Company Name:	Talon	Company Name:	Pipeline
Address:	408 W. Texas Ave.	Address:	ATTN #Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2003-00017
Phone:	575-616-4022 or 575-746-8905	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Hobbs Jct Mainline	Turn Around	
Project Number:	700376 052 11	Routine	☒
P.O. Number:	SRS # 2003-00017	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	PAH	Sample Comments
MW 23	GW	3-25-2020	2:40pm		3	X		Email Analytical
MW 31	GW	3-25-20	12:45pm		5	X	X	To:
								Camille Bryant

ANALYSIS REQUEST

Work Order Notes

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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr 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 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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	Bill Riggs		3/26/20 08:10	2			
3				4			
5				6			

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 61063

Date/Time: 03.26.2020
Lab# From: **Carlsbad**
Lab# To: **Lubbock**

Created by: Elizabeth Mcclellan
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
656971-001	W	MW28	03.25.2020 08:15	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-002	W	MW33	03.25.2020 08:40	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-003	W	MW7	03.25.2020 09:15	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-004	W	MW25	03.25.2020 10:15	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-005	W	MW13	03.25.2020 10:45	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-006	W	MW18	03.25.2020 11:15	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-007	W	MW21	03.25.2020 11:45	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-008	W	MW22	03.25.2020 12:15	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-009	W	MW24	03.25.2020 13:10	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-010	W	MW32	03.25.2020 14:10	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-011	W	MW23	03.25.2020 14:40	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	
656971-012	W	MW31	03.25.2020 12:45	SW8021B	BTEX by EPA 8021	04.01.2020	04.08.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 03.26.2020

Received By:

Date Received:

Cooler Temperature:

Inter-Office Shipment

IOS Number : 61064

Date/Time: 03.26.2020
Lab# From: **Carlsbad**
Lab# To: **Houston**

Created by: Elizabeth Mcclellan
Delivery Priority:
Air Bill No.: 770114323324

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
656971-001	W	MW28	03.25.2020 08:15	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 08:15**	JKR	ACNP ACNPY ANTH BZ	
656971-002	W	MW33	03.25.2020 08:40	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 08:40**	JKR	ACNP ACNPY ANTH BZ	
656971-006	W	MW18	03.25.2020 11:15	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 11:15**	JKR	ACNP ACNPY ANTH BZ	
656971-007	W	MW21	03.25.2020 11:45	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 11:45**	JKR	ACNP ACNPY ANTH BZ	
656971-008	W	MW22	03.25.2020 12:15	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 12:15**	JKR	ACNP ACNPY ANTH BZ	
656971-012	W	MW31	03.25.2020 12:45	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	04.01.2020	**04.01.2020 12:45**	JKR	ACNP ACNPY ANTH BZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 03.26.2020

Received By: Monica Benavides

Date Received: 03.27.2020

Cooler Temperature: 2.5

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 61064

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Elizabeth McClellan **Date Sent:** 03.26.2020 11.48 AM

Received By: Jhyrom Edralin **Date Received:** 03.27.2020 09.22 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 03.27.2020

Monica Benavides

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 03.26.2020 08.10.00 AM

Work Order #: 656971

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Btex subbed to Lubbock, SIM PAH subbed to Stafford
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.26.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

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Analytical Report 665680

for

Talon LPE-Artesia

Project Manager: David Adkins

Plains HJM

700376 052 11

07.07.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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07.07.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **665680**
Plains HJM
Project Address: Hobbs, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 665680. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 665680 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

John Builes
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 665680

Talon LPE-Artesia, Artesia, NM

Plains HJM

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 18	W	06.25.2020 10:40		665680-001
MW 25	W	06.25.2020 11:45		665680-002
MW 28	W	06.24.2020 10:20		665680-003
MW 33	W	06.24.2020 10:55		665680-004
MW 7	W	06.24.2020 11:30		665680-005
MW 23	W	06.24.2020 13:20		665680-006
MW 32	W	06.24.2020 13:50		665680-007
MW 24	W	06.24.2020 14:30		665680-008
MW 22	W	06.24.2020 15:00		665680-009
MW 21	W	06.24.2020 15:30		665680-010
MW 31	W	06.25.2020 09:30		665680-011

CASE NARRATIVE

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Client Name: Talon LPE-Artesia

Project Name: Plains HJM

Project ID:	*700376 052 11*	Report Date:	*07.07.2020*
Work Order Number(s):	*665680*	Date Received:	*06.25.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3130541 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene, Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 665680-010.

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Certificate of Analytical Results
665680
Talon LPE-Artesia, Artesia, NM
Plains HJM

Sample Id: **MW 18** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-001 Date Collected: 06.25.2020 10:40 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00854**	0.00200	0.000408	mg/L	07.01.2020 08:36		1
Toluene	108-88-3	**0.00193**	0.00200	0.000367	mg/L	07.01.2020 08:36	J	1
Ethylbenzene	100-41-4	**0.0678**	0.00200	0.000657	mg/L	07.01.2020 08:36		1
m_p-Xylenes	179601-23-1	**0.0863**	0.00400	0.000630	mg/L	07.01.2020 08:36		1
o-Xylene	95-47-6	**0.0272**	0.00200	0.000642	mg/L	07.01.2020 08:36		1
Xylenes, Total	1330-20-7	**0.114**		0.000630	mg/L	07.01.2020 08:36		
Total BTEX		**0.192**		0.000367	mg/L	07.01.2020 08:36		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

Sample Id: **MW 25** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-002 Date Collected: 06.25.2020 11:45 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.137**	0.00200	0.000408	mg/L	07.01.2020 09:14		1
Toluene	108-88-3	**0.00105**	0.00200	0.000367	mg/L	07.01.2020 09:14	J	1
Ethylbenzene	100-41-4	**0.0324**	0.00200	0.000657	mg/L	07.01.2020 09:14		1
m_p-Xylenes	179601-23-1	**0.0363**	0.00400	0.000630	mg/L	07.01.2020 09:14		1
o-Xylene	95-47-6	**0.0101**	0.00200	0.000642	mg/L	07.01.2020 09:14		1
Xylenes, Total	1330-20-7	**0.0464**		0.000630	mg/L	07.01.2020 09:14		
Total BTEX		**0.217**		0.000367	mg/L	07.01.2020 09:14		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	114	70 - 130	%		

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665680
Talon LPE-Artesia, Artesia, NM
Plains HJM

Sample Id: **MW 28** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-003 Date Collected: 06.24.2020 10:20 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 09:34	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 09:34	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 09:34	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 09:34	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 09:34	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 09:34	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 09:34	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	111	70 - 130	%		

Sample Id: **MW 33** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-004 Date Collected: 06.24.2020 10:55 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 09:54	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 09:54	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 09:54	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 09:54	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 09:54	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 09:54	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 09:54	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	118	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Plains HJM

Sample Id: **MW 7** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-005 Date Collected: 06.24.2020 11:30 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 10:15	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 10:15	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 10:15	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 10:15	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 10:15	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 10:15	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 10:15	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

Sample Id: **MW 23** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-006 Date Collected: 06.24.2020 13:20 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 10:35	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 10:35	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 10:35	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 10:35	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 10:35	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 10:35	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 10:35	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	115	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Plains HJM

Sample Id: **MW 32** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-007 Date Collected: 06.24.2020 13:50 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 10:56	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 10:56	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 10:56	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 10:56	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 10:56	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 10:56	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 10:56	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	125	70 - 130	%		

Sample Id: **MW 24** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-008 Date Collected: 06.24.2020 14:30 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 11:16	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 11:16	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 11:16	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 11:16	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 11:16	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 11:16	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 11:16	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	121	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Plains HJM

Sample Id: **MW 22** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-009 Date Collected: 06.24.2020 15:00 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 13:00	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 13:00	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 13:00	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 13:00	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 13:00	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 13:00	U	
Total BTEX		<0.000367		0.000367	mg/L	07.01.2020 13:00	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	120	70 - 130	%		

Sample Id: **MW 21** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665680-010 Date Collected: 06.24.2020 15:30 Date Received: 06.25.2020 15:05

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130541 Date Prep: 06.30.2020 15:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706593

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**2.38**	0.200	0.0408	mg/L	07.06.2020 19:51	D	100
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 13:22	U	1
Ethylbenzene	100-41-4	**0.399**	0.00200	0.000657	mg/L	07.01.2020 13:22		1
m_p-Xylenes	179601-23-1	**0.0576**	0.00400	0.000630	mg/L	07.01.2020 13:22		1
o-Xylene	95-47-6	**0.00129**	0.00200	0.000642	mg/L	07.01.2020 13:22	J	1
Xylenes, Total	1330-20-7	**0.0589**		0.000630	mg/L	07.01.2020 13:22		
Total BTEX		**2.84**		0.000367	mg/L	07.06.2020 19:51		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	158	70 - 130	%		**
4-Bromofluorobenzene	132	70 - 130	%		**

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Plains HJM

Sample Id:	**MW 31**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	665680-011	Date Collected:	06.25.2020 09:30	Date Received:	06.25.2020 15:05
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	AMF	% Moist:		Tech:	AMF
Seq Number:	3130541	Date Prep:	06.30.2020 15:00		
Subcontractor:	SUB: T104704400-19-19	Prep seq:	7706593		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0154**	0.00200	0.000408	mg/L	07.01.2020 13:44		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 13:44	U	1
Ethylbenzene	100-41-4	**0.00766**	0.00200	0.000657	mg/L	07.01.2020 13:44		1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 13:44	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 13:44	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	07.01.2020 13:44	U	
Total BTEX		**0.0231**		0.000367	mg/L	07.01.2020 13:44		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	92	70 - 130	%		
4-Bromofluorobenzene	115	70 - 130	%		

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Plains HJM

Sample Id:	**7706593-1-BLK**	Matrix:	Water	Sample Depth:	
Lab Sample Id:	7706593-1-BLK	Date Collected:		Date Received:	
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	AMF	% Moist:		Tech:	AMF
Seq Number:	3130541	Date Prep:	06.30.2020 15:00		
Subcontractor:	SUB: T104704400-19-19	Prep seq:	7706593		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	07.01.2020 07:56	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	07.01.2020 07:56	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	07.01.2020 07:56	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	07.01.2020 07:56	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	07.01.2020 07:56	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	92	70 - 130	%		
4-Bromofluorobenzene	109	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Plains HJM

Report Date: 07072020

Work Orders : 665680 **Project ID:** 700376 052 11

Lab Batch #: 3130541 **Sample:** 7706593-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 07.01.2020 05:54 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0288	0.0300	96	70-130	
4-Bromofluorobenzene	0.0334	0.0300	111	70-130	

Lab Batch #: 3130541 **Sample:** 7706593-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 07.01.2020 06:15 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	70-130	
4-Bromofluorobenzene	0.0353	0.0300	118	70-130	

Lab Batch #: 3130541 **Sample:** 665432-014 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 07.01.2020 06:35 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0291	0.0300	97	70-130	
4-Bromofluorobenzene	0.0337	0.0300	112	70-130	

Lab Batch #: 3130541 **Sample:** 665432-014 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 07.01.2020 06:55 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	70-130	
4-Bromofluorobenzene	0.0332	0.0300	111	70-130	

Lab Batch #: 3130541 **Sample:** 7706593-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 07.01.2020 07:56 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0275	0.0300	92	70-130	
4-Bromofluorobenzene	0.0327	0.0300	109	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Plains HJM

Work Order #: 665680 **Project ID:** 700376 052 11

Analyst: AMF **Date Prepared:** 06.30.2020 **Date Analyzed:** 07.01.2020

Lab Batch ID: 3130541 **Sample:** 7706593-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.110	110	0.100	0.117	117	6	70-130	25	
Toluene	<0.000367	0.100	0.103	103	0.100	0.109	109	6	70-130	25	
Ethylbenzene	<0.000657	0.100	0.103	103	0.100	0.110	110	7	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.205	103	0.200	0.216	108	5	70-130	25	
o-Xylene	<0.000642	0.100	0.109	109	0.100	0.110	110	1	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Plains HJM

Report Date: 07072020

Project ID: 700376 052 11

Work Order # : 665680

Lab Batch ID: 3130541 **QC- Sample ID:** 665432-014 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 07.01.2020 **Date Prepared:** 06.30.2020 **Analyst:** AMF

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.116	116	0.100	0.117	117	1	70-130	25	
Toluene	<0.000367	0.100	0.107	107	0.100	0.109	109	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.108	108	0.100	0.110	110	2	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.213	107	0.200	0.218	109	2	70-130	25	
o-Xylene	<0.000642	0.100	0.110	110	0.100	0.111	111	1	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 620680

Page 1 of 2

Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS All AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 WEST TEXAS	Address:	ATTN: CAMILLE BRYANT
City, State ZIP:	ARTESIA NEW MEXICO 88210	City, State ZIP:	SAP # 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:	PLAINS HJM	Turn Around	
Project Number:	700326 052 11	Routine ☒	
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	SAP # 2003-00017	Quote #:	

SAMPLE RECEIPT			
Temperature (°C):	2.6/2.4	Temp Blank:	Yes / No
Received Intact:	Yes / No	Wet Ice:	Yes / No
Cooler Custody Seals:	Yes / No / N/A	Thermometer ID	TNM007
Sample Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2
		Total Containers:	33

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX
	MW 18	GW	6-25-20	10:40A		3		X
	MW 25		6-25-20	11:45AM		3		X
	MW 28		6-24-20	10:20 AM		3		X
	MW 33			10:55AM		3		X
	MW 7			11:30 AM		3		X
	MW 23			1:20 PM		3		X
	MW 32			1:50 PM		3		X
	MW 24			2:30 pm		3		X
	MW 22			3:00 pm		3		X
	MW 21	GW	6-24-20	3:30 pm		3		X

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Email Analytical to: Camille Bryant

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Bill Riggs		6/25/20 15:05	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 626580

Page 2 of 2

Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS ALL AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 WEST TEXAS	Address:	ATTN: CAMILLE BRYANT
City, State ZIP:	ARTESIA NEW MEXICO 88210	City, State ZIP:	SRS # 2003-00017
Phone:	575 441 4535	Email:	SADKINS@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:	PLAINS HJM	Turn Around	
Project Number:	700376 05211	Routine	☒
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	SRS # 2003-00017	Quote #:	

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

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	ANALYSIS REQUEST: ATEX
	MW31	GW	6-25-20	9:30AM		3	X	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

EMAIL ANALYTICALS TO: CAMILLE BRYANT

Total 200.7 / 6010 200.8 / 6020:
Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Bill Riggs		6/25/20 15:05	2		
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 66263

Date/Time: 06.29.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**

Created by: Elizabeth Mcclellan
Delivery Priority:
Air Bill No.: 7709 2870 8114

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
665680-001	W	MW 18	06.25.2020 10:40	SW8021B	BTEX by EPA 8021	07.01.2020	07.09.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-002	W	MW 25	06.25.2020 11:45	SW8021B	BTEX by EPA 8021	07.01.2020	07.09.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-003	W	MW 28	06.24.2020 10:20	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-004	W	MW 33	06.24.2020 10:55	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-005	W	MW 7	06.24.2020 11:30	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-006	W	MW 23	06.24.2020 13:20	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-007	W	MW 32	06.24.2020 13:50	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-008	W	MW 24	06.24.2020 14:30	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-009	W	MW 22	06.24.2020 15:00	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-010	W	MW 21	06.24.2020 15:30	SW8021B	BTEX by EPA 8021	07.01.2020	07.08.2020	JKR	BR4FBZ BZ BZME EBZ	
665680-011	W	MW 31	06.25.2020 09:30	SW8021B	BTEX by EPA 8021	07.01.2020	07.09.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 06.29.2020

Received By: Brianna Teel

Date Received: 06.30.2020

Cooler Temperature: 0.2

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 66263

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-8

Sent By: Elizabeth McClellan **Date Sent:** 06.29.2020 10.41 AM

Received By: Brianna Teel **Date Received:** 06.30.2020 10.47 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Brianna Teel Date: 06.30.2020

Brianna Teel

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 06.25.2020 03.05.00 PM

Work Order #: 665680

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Subbed to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 06.29.2020

Checklist reviewed by: Jessica Kramer Date: 06.29.2020

Jessica Kramer

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Analytical Report 672423

for

Talon LPE-Artesia

Project Manager: D. Adkins

Hobbs JCT Mainline

70037605211

09.17.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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09.17.2020

Project Manager: **D. Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **672423**
Hobbs JCT Mainline
Project Address: Hobbs, New Mexico

D. Adkins :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 672423. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 672423 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 672423

Talon LPE-Artesia, Artesia, NM

Hobbs JCT Mainline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 28	W	09.10.2020 09:45		672423-001
MW 33	W	09.10.2020 10:15		672423-002
MW 7	W	09.10.2020 11:40		672423-003
MW 13	W	09.10.2020 13:40		672423-004
MW 31	W	09.10.2020 14:30		672423-005
MW 21	W	09.11.2020 11:50		672423-006
MW 22	W	09.11.2020 12:50		672423-007
MW 23	W	09.11.2020 13:25		672423-008
MW 32	W	09.11.2020 14:00		672423-009
MW 24	W	09.11.2020 15:00		672423-010
MW 18	W	09.11.2020 15:30		672423-011
MW 25	W	09.11.2020 16:30		672423-012

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CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Hobbs JCT Mainline

Project ID: *70037605211*
Work Order Number(s): *672423*

Report Date: *09.17.2020*
Date Received: *09.14.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Email anayticals to Camille Bryant.

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results
672423
Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 28** Matrix: Water Sample Depth:

Lab Sample Id: 672423-001 Date Collected: 09.10.2020 09:45 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 19:43	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 19:43	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 19:43	U	1
m_p-Xylenes	179601-23-1	**0.00112**	0.00400	0.000630	mg/L	09.15.2020 19:43	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 19:43	U	1
Xylenes, Total	1330-20-7	**0.00112**		0.000630	mg/L	09.15.2020 19:43	J	
Total BTEX		**0.00112**		0.000367	mg/L	09.15.2020 19:43	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	94	70 - 130	%		

Sample Id: **MW 33** Matrix: Water Sample Depth:

Lab Sample Id: 672423-002 Date Collected: 09.10.2020 10:15 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 20:04	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 20:04	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 20:04	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.15.2020 20:04	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 20:04	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.15.2020 20:04	U	
Total BTEX		<0.000367		0.000367	mg/L	09.15.2020 20:04	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

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Certificate of Analytical Results
672423
Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 7** Matrix: Water Sample Depth:

Lab Sample Id: 672423-003 Date Collected: 09.10.2020 11:40 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 20:25	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 20:25	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 20:25	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.15.2020 20:25	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 20:25	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.15.2020 20:25	U	
Total BTEX		<0.000367		0.000367	mg/L	09.15.2020 20:25	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Sample Id: **MW 13** Matrix: Water Sample Depth:

Lab Sample Id: 672423-004 Date Collected: 09.10.2020 13:40 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 20:46	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 20:46	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 20:46	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.15.2020 20:46	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 20:46	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.15.2020 20:46	U	
Total BTEX		<0.000367		0.000367	mg/L	09.15.2020 20:46	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	97	70 - 130	%		

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Certificate of Analytical Results
672423
Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 31** Matrix: Water Sample Depth:

Lab Sample Id: 672423-005 Date Collected: 09.10.2020 14:30 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 21:06	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 21:06	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 21:06	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.15.2020 21:06	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 21:06	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.15.2020 21:06	U	
Total BTEX		<0.000367		0.000367	mg/L	09.15.2020 21:06	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	101	70 - 130	%		

Sample Id: **MW 21** Matrix: Water Sample Depth:

Lab Sample Id: 672423-006 Date Collected: 09.11.2020 11:50 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137305 Date Prep: 09.16.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711452

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**4.55**	0.0400	0.00816	mg/L	09.16.2020 14:37		20
Toluene	108-88-3	<0.00734	0.0400	0.00734	mg/L	09.16.2020 14:37	U	20
Ethylbenzene	100-41-4	**0.777**	0.0400	0.0131	mg/L	09.16.2020 14:37		20
m_p-Xylenes	179601-23-1	**0.0926**	0.0800	0.0126	mg/L	09.16.2020 14:37		20
o-Xylene	95-47-6	<0.0128	0.0400	0.0128	mg/L	09.16.2020 14:37	U	20
Xylenes, Total	1330-20-7	**0.0926**		0.0126	mg/L	09.16.2020 14:37		
Total BTEX		**5.42**		0.00734	mg/L	09.16.2020 14:37		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	109	70 - 130	%		

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672423
Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 22** Matrix: Water Sample Depth:

Lab Sample Id: 672423-007 Date Collected: 09.11.2020 12:50 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137305 Date Prep: 09.16.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711452

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.108**	0.00200	0.000408	mg/L	09.16.2020 12:51		1
Toluene	108-88-3	**0.000820**	0.00200	0.000367	mg/L	09.16.2020 12:51	J	1
Ethylbenzene	100-41-4	**0.0317**	0.00200	0.000657	mg/L	09.16.2020 12:51		1
m_p-Xylenes	179601-23-1	**0.00410**	0.00400	0.000630	mg/L	09.16.2020 12:51		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 12:51	U	1
Xylenes, Total	1330-20-7	**0.00410**		0.000630	mg/L	09.16.2020 12:51		
Total BTEX		**0.145**		0.000367	mg/L	09.16.2020 12:51		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	110	70 - 130	%		

Sample Id: **MW 23** Matrix: Water Sample Depth:

Lab Sample Id: 672423-008 Date Collected: 09.11.2020 13:25 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0161**	0.00200	0.000408	mg/L	09.16.2020 02:13		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 02:13	U	1
Ethylbenzene	100-41-4	**0.0103**	0.00200	0.000657	mg/L	09.16.2020 02:13		1
m_p-Xylenes	179601-23-1	**0.00130**	0.00400	0.000630	mg/L	09.16.2020 02:13	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 02:13	U	1
Xylenes, Total	1330-20-7	**0.00130**		0.000630	mg/L	09.16.2020 02:13	J	
Total BTEX		**0.0277**		0.000367	mg/L	09.16.2020 02:13		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	91	70 - 130	%		
4-Bromofluorobenzene	99	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 32** Matrix: Water Sample Depth:

Lab Sample Id: 672423-009 Date Collected: 09.11.2020 14:00 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0125**	0.00200	0.000408	mg/L	09.16.2020 02:33		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 02:33	U	1
Ethylbenzene	100-41-4	**0.00917**	0.00200	0.000657	mg/L	09.16.2020 02:33		1
m_p-Xylenes	179601-23-1	**0.00164**	0.00400	0.000630	mg/L	09.16.2020 02:33	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 02:33	U	1
Xylenes, Total	1330-20-7	**0.00164**		0.000630	mg/L	09.16.2020 02:33	J	
Total BTEX		**0.0233**		0.000367	mg/L	09.16.2020 02:33		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Sample Id: **MW 24** Matrix: Water Sample Depth:

Lab Sample Id: 672423-010 Date Collected: 09.11.2020 15:00 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0122**	0.00200	0.000408	mg/L	09.16.2020 02:54		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 02:54	U	1
Ethylbenzene	100-41-4	**0.00856**	0.00200	0.000657	mg/L	09.16.2020 02:54		1
m_p-Xylenes	179601-23-1	**0.00176**	0.00400	0.000630	mg/L	09.16.2020 02:54	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 02:54	U	1
Xylenes, Total	1330-20-7	**0.00176**		0.000630	mg/L	09.16.2020 02:54	J	
Total BTEX		**0.0225**		0.000367	mg/L	09.16.2020 02:54		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

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672423
Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **MW 18** Matrix: Water Sample Depth:

Lab Sample Id: 672423-011 Date Collected: 09.11.2020 15:30 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0112**	0.00200	0.000408	mg/L	09.16.2020 03:15		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 03:15	U	1
Ethylbenzene	100-41-4	**0.00741**	0.00200	0.000657	mg/L	09.16.2020 03:15		1
m_p-Xylenes	179601-23-1	**0.00137**	0.00400	0.000630	mg/L	09.16.2020 03:15	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 03:15	U	1
Xylenes, Total	1330-20-7	**0.00137**		0.000630	mg/L	09.16.2020 03:15	J	
Total BTEX		**0.0200**		0.000367	mg/L	09.16.2020 03:15		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Sample Id: **MW 25** Matrix: Water Sample Depth:

Lab Sample Id: 672423-012 Date Collected: 09.11.2020 16:30 Date Received: 09.14.2020 08:15

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.146**	0.00200	0.000408	mg/L	09.16.2020 03:36		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 03:36	U	1
Ethylbenzene	100-41-4	**0.0165**	0.00200	0.000657	mg/L	09.16.2020 03:36		1
m_p-Xylenes	179601-23-1	**0.00572**	0.00400	0.000630	mg/L	09.16.2020 03:36		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 03:36	U	1
Xylenes, Total	1330-20-7	**0.00572**		0.000630	mg/L	09.16.2020 03:36		
Total BTEX		**0.168**		0.000367	mg/L	09.16.2020 03:36		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	109	70 - 130	%		
4-Bromofluorobenzene	95	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **7711426-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7711426-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137252 Date Prep: 09.15.2020 08:30

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711426

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.15.2020 13:33	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.15.2020 13:33	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.15.2020 13:33	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.15.2020 13:33	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.15.2020 13:33	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	88	70 - 130	%		
4-Bromofluorobenzene	88	70 - 130	%		

Sample Id: **7711427-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7711427-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137254 Date Prep: 09.15.2020 17:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711427

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.16.2020 01:48	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 01:48	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.16.2020 01:48	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.16.2020 01:48	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 01:48	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	87	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

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Certificate of Analytical Results
672423

Talon LPE-Artesia, Artesia, NM
Hobbs JCT Mainline

Sample Id: **7711452-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7711452-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3137305 Date Prep: 09.16.2020 10:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711452

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.16.2020 12:26	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.16.2020 12:26	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.16.2020 12:26	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.16.2020 12:26	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.16.2020 12:26	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	86	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Hobbs JCT Mainline

Report Date: 09172020

Work Orders : 672423

Project ID: 70037605211

Lab Batch #: 3137252 **Sample:** 7711426-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 09:12 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0313	0.0300	104	70-130	
4-Bromofluorobenzene	0.0308	0.0300	103	70-130	

Lab Batch #: 3137252 **Sample:** 7711426-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 09:32 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0297	0.0300	99	70-130	
4-Bromofluorobenzene	0.0304	0.0300	101	70-130	

Lab Batch #: 3137252 **Sample:** 672394-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 12:06 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0307	0.0300	102	70-130	

Lab Batch #: 3137252 **Sample:** 672394-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 12:26 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0315	0.0300	105	70-130	

Lab Batch #: 3137252 **Sample:** 7711426-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 13:33 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0265	0.0300	88	70-130	
4-Bromofluorobenzene	0.0265	0.0300	88	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Hobbs JCT Mainline

Report Date: 09172020

Work Orders : 672423 **Project ID:** 70037605211

Lab Batch #: 3137254 **Sample:** 7711427-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.15.2020 23:41 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0297	0.0300	99	70-130	

Lab Batch #: 3137254 **Sample:** 7711427-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 00:02 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0307	0.0300	102	70-130	
4-Bromofluorobenzene	0.0311	0.0300	104	70-130	

Lab Batch #: 3137254 **Sample:** 672423-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 00:22 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0309	0.0300	103	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3137254 **Sample:** 672423-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 00:43 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0321	0.0300	107	70-130	
4-Bromofluorobenzene	0.0315	0.0300	105	70-130	

Lab Batch #: 3137254 **Sample:** 7711427-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 01:48 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0261	0.0300	87	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Hobbs JCT Mainline

Report Date: 09172020

Work Orders : 672423 **Project ID:** 70037605211

Lab Batch #: 3137305 **Sample:** 7711452-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 10:19 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0298	0.0300	99	70-130	
4-Bromofluorobenzene	0.0305	0.0300	102	70-130	

Lab Batch #: 3137305 **Sample:** 7711452-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 10:39 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0290	0.0300	97	70-130	
4-Bromofluorobenzene	0.0297	0.0300	99	70-130	

Lab Batch #: 3137305 **Sample:** 672423-007 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 11:00 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0315	0.0300	105	70-130	
4-Bromofluorobenzene	0.0335	0.0300	112	70-130	

Lab Batch #: 3137305 **Sample:** 672423-007 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 11:21 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0324	0.0300	108	70-130	
4-Bromofluorobenzene	0.0354	0.0300	118	70-130	

Lab Batch #: 3137305 **Sample:** 7711452-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.16.2020 12:26 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0259	0.0300	86	70-130	
4-Bromofluorobenzene	0.0275	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Hobbs JCT Mainline

Work Order #: 672423 **Project ID:** 70037605211

Analyst: AMF **Date Prepared:** 09.15.2020 **Date Analyzed:** 09.15.2020

Lab Batch ID: 3137252 **Sample:** 7711426-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.105	105	0.100	0.0952	95	10	70-130	25	
Toluene	<0.000367	0.100	0.108	108	0.100	0.0958	96	12	70-130	25	
Ethylbenzene	<0.000657	0.100	0.105	105	0.100	0.0941	94	11	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.223	112	0.200	0.200	100	11	70-130	25	
o-Xylene	<0.000642	0.100	0.111	111	0.100	0.0992	99	11	70-130	25	

Analyst: AMF **Date Prepared:** 09.15.2020 **Date Analyzed:** 09.15.2020

Lab Batch ID: 3137254 **Sample:** 7711427-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.100	100	0.100	0.102	102	2	70-130	25	
Toluene	<0.000367	0.100	0.101	101	0.100	0.102	102	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0961	96	0.100	0.0986	99	3	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.205	103	0.200	0.208	104	1	70-130	25	
o-Xylene	<0.000642	0.100	0.102	102	0.100	0.104	104	2	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Hobbs JCT Mainline

Work Order #: 672423 **Project ID:** 70037605211

Analyst: AMF **Date Prepared:** 09.16.2020 **Date Analyzed:** 09.16.2020

Lab Batch ID: 3137305 **Sample:** 7711452-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.101	101	0.100	0.0984	98	3	70-130	25	
Toluene	<0.000367	0.100	0.104	104	0.100	0.102	102	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.102	102	0.100	0.0974	97	5	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.218	109	0.200	0.208	104	5	70-130	25	
o-Xylene	<0.000642	0.100	0.107	107	0.100	0.101	101	6	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Hobbs JCT Mainline

Report Date: 09172020

Work Order # : 672423 **Project ID:** 70037605211

Lab Batch ID: 3137252 **QC- Sample ID:** 672394-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09.15.2020 **Date Prepared:** 09.15.2020 **Analyst:** AMF

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.00247	2	0.100	0.106	106	191	70-130	25	XF
Toluene	<0.000367	0.100	0.00233	2	0.100	0.109	109	192	70-130	25	XF
Ethylbenzene	<0.000657	0.100	0.00231	2	0.100	0.107	107	192	70-130	25	XF
m_p-Xylenes	<0.000630	0.200	0.00362	2	0.200	0.227	114	194	70-130	25	XF
o-Xylene	<0.000642	0.100	0.00345	3	0.100	0.112	112	188	70-130	25	XF

Lab Batch ID: 3137254 **QC- Sample ID:** 672423-008 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 09.16.2020 **Date Prepared:** 09.15.2020 **Analyst:** AMF

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.0161	0.100	0.118	102	0.100	0.118	102	0	70-130	25	
Toluene	<0.000367	0.100	0.103	103	0.100	0.102	102	1	70-130	25	
Ethylbenzene	0.0103	0.100	0.108	98	0.100	0.109	99	1	70-130	25	
m_p-Xylenes	0.00130	0.200	0.207	103	0.200	0.210	104	1	70-130	25	
o-Xylene	<0.000642	0.100	0.104	104	0.100	0.105	105	1	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Form 3 - MS / MSD Recoveries

Project Name: Hobbs JCT Mainline

Work Order # : 672423

Report Date: 09172020

Project ID: 70037605211

Lab Batch ID: 3137305

QC- Sample ID: 672423-007 S

Batch #: 1

Matrix: Water

Date Analyzed: 09.16.2020

Date Prepared: 09.16.2020

Analyst: AMF

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.108	0.100	0.214	106	0.100	0.218	110	2	70-130	25	
Toluene	0.000820	0.100	0.109	108	0.100	0.112	111	3	70-130	25	
Ethylbenzene	0.0317	0.100	0.142	110	0.100	0.144	112	1	70-130	25	
m_p-Xylenes	0.00410	0.200	0.235	115	0.200	0.242	119	3	70-130	25	
o-Xylene	<0.000642	0.100	0.112	112	0.100	0.117	117	4	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 672423

Page 1 of 2

Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS ALL AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 TEXAS	Address:	ATTN CAMILLE BRYANT
City, State ZIP:	ARTESIA NEW MEXICO 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 JCT MAINLINE	Turn Around	
Project Number:	700326 052 11	Routine	☒
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	SRS# 2003-00017	Quote #:	

SAMPLE RECEIPT					
Temperature (°C):	4.2/4.0	Temp Blank:	Yes / No	Wet Ice:	Yes / No
Received Intact:	Yes / No	Thermometer ID	TNM007		
Cooler Custody Seals:	Yes / No / N/A	Correction Factor:	-0.2		
Sample Custody Seals:	Yes / No / N/A	Total Containers:	36		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	Sample Comments
	MW28	GW	9-10-20	9:45A		3		X	EMAIL ANALYTICALS TO CAMILLE BRYANT
	MW 33		9-10-20	10:15A		3		X	
	MW7		9-10-20	11:40A		3		X	
	MW13		9-10-20	1:40P		3		X	
	MW31		9-10-20	2:30P		3		X	
	MW21		9-11-20	11:50A		3		X	
	MW22		9-11-20	12:50P		3		X	
	MW23		9-11-20	1:25P		3		X	
	MW32		9-11-20	2:00P		3		X	
	MW24	GW	9-11-20	3:00P		3		X	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

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

1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Bill Riggs		9/14/20 08:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Work Order No: 672423

Page 2 of 2

Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS All AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 Texas	Address:	ATTN CAMILLE BRYANT
City, State ZIP:	ARTESIA New Mexico 88210	City, State ZIP:	SRS # 2003-00017
Phone:	575-441 4835	Email:	dADKINS @ TALON LPE.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 JCT MAINLINE	Turn Around	
Project Number:	700376 052 11	Routine	☒
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	2003-00017	Quote #:	

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

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX
	MW 18	GW	9-11-20	3:30P		3		X
	MW 25	GW	9-11-20	4:30P		3		X

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

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

1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Bill Riggs		9/14/20 08:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 70321

Date/Time: 09.14.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**
Created by: Cloe Clifton
Delivery Priority:
Air Bill No.: 771521882852
Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
672423-001	W	MW 28	09.10.2020 09:45	SW8021B	BTEX by EPA 8021	09.18.2020	09.24.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-002	W	MW 33	09.10.2020 10:15	SW8021B	BTEX by EPA 8021	09.18.2020	09.24.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-003	W	MW 7	09.10.2020 11:40	SW8021B	BTEX by EPA 8021	09.18.2020	09.24.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-004	W	MW 13	09.10.2020 13:40	SW8021B	BTEX by EPA 8021	09.18.2020	09.24.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-005	W	MW 31	09.10.2020 14:30	SW8021B	BTEX by EPA 8021	09.18.2020	09.24.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-006	W	MW 21	09.11.2020 11:50	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-007	W	MW 22	09.11.2020 12:50	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-008	W	MW 23	09.11.2020 13:25	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-009	W	MW 32	09.11.2020 14:00	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-010	W	MW 24	09.11.2020 15:00	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-011	W	MW 18	09.11.2020 15:30	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	
672423-012	W	MW 25	09.11.2020 16:30	SW8021B	BTEX by EPA 8021	09.18.2020	09.25.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Date Relinquished: 09.14.2020

Received By: Brianna Teel
Date Received: 09.15.2020
Cooler Temperature: 0.5

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 70321

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-8

Sent By: Cloe Clifton **Date Sent:** 09.14.2020 11.00 AM

Received By: Brianna Teel **Date Received:** 09.15.2020 11.19 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.5	
#2 *Shipping container in good condition?	**Yes**	-0.4
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Brianna Teel Date: 09.15.2020

Brianna Teel

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 09.14.2020 08.15.00 AM

Work Order #: 672423

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Samples sent to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#: Email anayticals to Camille Bry

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 09.14.2020 08.15.00 AM

Work Order #: 672423

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Sample Receipt Checklist

Email anayticals to Camille Bryant.

Checklist completed by: Cloe Clifton Date: 09.14.2020

Checklist reviewed by: Jessica Kramer Date: 09.15.2020

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 679744

for

Talon LPE-Artesia

Project Manager: David Adkins

Hobbs Junction Mainline

12.14.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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12.14.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **679744**
Hobbs Junction Mainline
Project Address: Hobbs, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 679744. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 679744 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 679744

Talon LPE-Artesia, Artesia, NM

Hobbs Junction Mainline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Irrigation Well	W	12.03.2020 11:00		679744-001

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CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Hobbs Junction Mainline

Project ID:
Work Order Number(s): *679744*

Report Date: *12.14.2020*
Date Received: *12.03.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3144219 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 679744-001.

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Certificate of Analytical Results
679744
Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **Irrigation Well** Matrix: Water Sample Depth:

Lab Sample Id: 679744-001 Date Collected: 12.03.2020 11:00 Date Received: 12.03.2020 14:40

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: JYM % Moist:

Seq Number: 3144013 Date Prep: 12.04.2020 07:40 Tech: JYM

Subcontractor: SUB: T104704215-20-38 Prep seq: 7716390

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	**29.9**	0.500	0.0738	mg/L	12.04.2020 13:23		1
Nitrate as N	14797-55-8	**2.06**	0.100	0.0391	mg/L	12.04.2020 13:23		1
Nitrite as N	14797-65-0	**0.188**	0.100	0.0293	mg/L	12.04.2020 13:23		1
Sulfate	14808-79-8	**51.7**	0.500	0.109	mg/L	12.04.2020 13:23		1

Analytical Method: Recoverable Metals per ICP by EPA 200.7 Prep Method: E200.7P

Analyst: DEP % Moist:

Seq Number: 3144691 Date Prep: 12.10.2020 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-38 Prep seq: 7716811

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Calcium	7440-70-2	**56.2**	0.200	0.0293	mg/L	12.11.2020 23:35		1
Magnesium	7439-95-4	**9.86**	0.200	0.0500	mg/L	12.11.2020 23:35		1
Potassium	7440-09-7	**2.48**	0.500	0.107	mg/L	12.11.2020 23:35		1
Sodium	7440-23-5	**36.4**	0.500	0.0667	mg/L	12.11.2020 23:35		1

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3144289 Date Prep: 12.08.2020 09:00 Tech: ARM

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716640

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<0.911	2.31	0.911	mg/L	12.08.2020 12:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<0.842	2.31	0.842	mg/L	12.08.2020 12:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<0.842	2.31	0.842	mg/L	12.08.2020 12:10	U	1
Total TPH	PHC635	<0.8420		0.8420	mg/L	12.08.2020 12:10	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	94	70 - 135	%		
o-Terphenyl	106	70 - 135	%		

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Certificate of Analytical Results
679744

Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **Irrigation Well** Matrix: Water Sample Depth:

Lab Sample Id: 679744-001 Date Collected: 12.03.2020 11:00 Date Received: 12.03.2020 14:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144219 Date Prep: 12.08.2020 07:50 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716646

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00124**	0.00200	0.000408	mg/L	12.08.2020 22:39	J	1
Toluene	108-88-3	**0.000860**	0.00200	0.000367	mg/L	12.08.2020 22:39	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.08.2020 22:39	U	1
m_p-Xylenes	179601-23-1	**0.000930**	0.00400	0.000630	mg/L	12.08.2020 22:39	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.08.2020 22:39	U	1
Xylenes, Total	1330-20-7	**0.0009300**		0.0006300	mg/L	12.08.2020 22:39	J	
Total BTEX		**0.003030**		0.0003670	mg/L	12.08.2020 22:39		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	138	70 - 130	%		**
4-Bromofluorobenzene	107	70 - 130	%		

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Certificate of Analytical Results
679744

Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **7716390-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7716390-1-BLK Date Collected: Date Received:

Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P

Analyst: JYM % Moist:

Seq Number: 3144013 Date Prep: 12.04.2020 07:40 Tech: JYM

Subcontractor: SUB: T104704215-20-38 Prep seq: 7716390

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	<0.0738	0.500	0.0738	mg/L	12.04.2020 07:00	U	1
Nitrate as N	14797-55-8	<0.0391	0.100	0.0391	mg/L	12.04.2020 07:00	U	1
Nitrite as N	14797-65-0	<0.0293	0.100	0.0293	mg/L	12.04.2020 07:00	U	1
Sulfate	14808-79-8	<0.109	0.500	0.109	mg/L	12.04.2020 07:00	U	1

Sample Id: **7716640-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7716640-1-BLK Date Collected: Date Received:

Analytical Method: TPH by SW8015 Mod Prep Method: 8015

Analyst: ARM % Moist:

Seq Number: 3144289 Date Prep: 12.08.2020 09:00 Tech: ARM

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716640

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<0.900	2.28	0.900	mg/L	12.08.2020 11:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<0.832	2.28	0.832	mg/L	12.08.2020 11:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<0.832	2.28	0.832	mg/L	12.08.2020 11:13	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1-Chlorooctane	91	70 - 135	%		
o-Terphenyl	103	70 - 135	%		

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Certificate of Analytical Results
679744
Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **7716646-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7716646-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144219 Date Prep: 12.08.2020 07:50 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716646

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.08.2020 13:10	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.08.2020 13:10	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.08.2020 13:10	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.08.2020 13:10	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.08.2020 13:10	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	86	70 - 130	%		
4-Bromofluorobenzene	75	70 - 130	%		

Sample Id: **7716811-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7716811-1-BLK Date Collected: Date Received:

Analytical Method: Recoverable Metals per ICP by EPA 200.7 Prep Method: E200.7P

Analyst: DEP % Moist:

Seq Number: 3144691 Date Prep: 12.10.2020 12:00 Tech: DEP

Subcontractor: SUB: T104704215-20-38 Prep seq: 7716811

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Calcium	7440-70-2	<0.0293	0.200	0.0293	mg/L	12.11.2020 22:41	U	1
Magnesium	7439-95-4	<0.0500	0.200	0.0500	mg/L	12.11.2020 22:41	U	1
Potassium	7440-09-7	<0.107	0.500	0.107	mg/L	12.11.2020 22:41	U	1
Sodium	7440-23-5	<0.0667	0.500	0.0667	mg/L	12.11.2020 22:41	U	1

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12142020

Work Orders : 679744 **Project ID:**

Lab Batch #: 3144219 **Sample:** 7716646-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 10:36 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0358	0.0300	119	70-130	
4-Bromofluorobenzene	0.0321	0.0300	107	70-130	

Lab Batch #: 3144219 **Sample:** 7716646-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:01 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0372	0.0300	124	70-130	
4-Bromofluorobenzene	0.0296	0.0300	99	70-130	

Lab Batch #: 3144219 **Sample:** 679546-006 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:27 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0345	0.0300	115	70-130	
4-Bromofluorobenzene	0.0320	0.0300	107	70-130	

Lab Batch #: 3144219 **Sample:** 679546-006 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:53 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0360	0.0300	120	70-130	
4-Bromofluorobenzene	0.0301	0.0300	100	70-130	

Lab Batch #: 3144219 **Sample:** 7716646-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 13:10 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0258	0.0300	86	70-130	
4-Bromofluorobenzene	0.0226	0.0300	75	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12142020

Work Orders : 679744 **Project ID:**

Lab Batch #: 3144289 **Sample:** 7716640-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:13 **SURROGATE RECOVERY STUDY**

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.30	9.12	91	70-135	
o-Terphenyl	4.71	4.56	103	70-135	

Lab Batch #: 3144289 **Sample:** 7716640-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:32 **SURROGATE RECOVERY STUDY**

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.2	9.12	123	70-135	
o-Terphenyl	5.35	4.56	117	70-135	

Lab Batch #: 3144289 **Sample:** 7716640-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 11:51 **SURROGATE RECOVERY STUDY**

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.1	9.12	122	70-135	
o-Terphenyl	5.32	4.56	117	70-135	

Lab Batch #: 3144289 **Sample:** 679744-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 12:29 **SURROGATE RECOVERY STUDY**

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.46	9.17	92	70-135	
o-Terphenyl	4.66	4.59	102	70-135	

Lab Batch #: 3144289 **Sample:** 679744-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.08.2020 12:48 **SURROGATE RECOVERY STUDY**

TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.2	9.23	111	70-135	
o-Terphenyl	4.52	4.62	98	70-135	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Hobbs Junction Mainline

Work Order #: 679744 **Project ID:**

Analyst: MNR **Date Prepared:** 12.08.2020 **Date Analyzed:** 12.08.2020

Lab Batch ID: 3144219 **Sample:** 7716646-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.09490	95	0.100	0.09920	99	4	70-130	25	
Toluene	<0.000367	0.100	0.08980	90	0.100	0.08720	87	3	70-130	25	
Ethylbenzene	<0.000657	0.100	0.09840	98	0.100	0.09890	99	1	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.1990	100	0.200	0.2060	103	3	70-130	25	
o-Xylene	<0.000642	0.100	0.1000	100	0.100	0.1030	103	3	70-130	25	

Analyst: JYM **Date Prepared:** 12.04.2020 **Date Analyzed:** 12.04.2020

Lab Batch ID: 3144013 **Sample:** 7716390-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.0738	10.0	10.10	101	10.0	10.10	101	0	90-110	20	
Nitrate as N	<0.0391	10.0	9.990	100	10.0	9.980	100	0	90-110	20	
Nitrite as N	<0.0293	10.0	9.840	98	10.0	9.860	99	0	90-110	20	
Sulfate	<0.109	10.0	10.00	100	10.0	10.10	101	1	90-110	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Hobbs Junction Mainline

Work Order #: 679744 **Project ID:**

Analyst: DEP **Date Prepared:** 12.10.2020 **Date Analyzed:** 12.11.2020

Lab Batch ID: 3144691 **Sample:** 7716811-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Recoverable Metals per ICP by EPA 200.7 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Calcium	<0.0293	25.0	24.00	96	25.0	24.00	96	0	85-115	20	
Magnesium	<0.0500	25.0	24.70	99	25.0	24.60	98	0	85-115	20	
Potassium	<0.107	10.0	9.510	95	10.0	9.510	95	0	85-115	20	
Sodium	<0.0667	25.0	24.10	96	25.0	24.00	96	0	85-115	20	

Analyst: ARM **Date Prepared:** 12.08.2020 **Date Analyzed:** 12.08.2020

Lab Batch ID: 3144289 **Sample:** 7716640-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<0.901	91.2	95.80	105	91.2	95.60	105	0	70-135	20	
Diesel Range Organics (DRO)	<0.832	91.2	96.70	106	91.2	96.80	106	0	70-135	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS Recoveries

Project Name: Hobbs Junction Mainline

Work Order #: 679744 **Report Date:** 12142020

Lab Batch #: 3144691 **Project ID:**

Date Analyzed: 12.12.2020 **Date Prepared:** 12.10.2020 **Analyst:** DEP

QC- Sample ID: 679690-001 S **Batch #:** 1 **Matrix:** Waste Water

Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

Recoverable Metals per ICP by EPA 200.7 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Calcium	46.4	25.0	70.8	98	70-130	
Magnesium	25.1	25.0	50.4	101	70-130	
Potassium	5.71	10.0	15.5	98	70-130	
Sodium	42.7	25.0	67.5	99	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12142020

Work Order # : 679744 **Project ID:**

Lab Batch ID: 3144219 **QC- Sample ID:** 679546-006 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 12.08.2020 **Date Prepared:** 12.08.2020 **Analyst:** MNR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.00132	0.100	0.0952	94	0.100	0.0912	90	4	70-130	25	
Toluene	0.00109	0.100	0.102	101	0.100	0.0966	96	5	70-130	25	
Ethylbenzene	<0.000657	0.100	0.101	101	0.100	0.0965	97	5	70-130	25	
m_p-Xylenes	0.00108	0.200	0.209	104	0.200	0.200	99	4	70-130	25	
o-Xylene	<0.000642	0.100	0.104	104	0.100	0.100	100	4	70-130	25	

Lab Batch ID: 3144013 **QC- Sample ID:** 679773-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12.04.2020 **Date Prepared:** 12.04.2020 **Analyst:** JYM

Reporting Units: mg/wipe

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	17.03	20.00	36.01	95	20.00	36.01	95	0	80-120	20	
Nitrate as N	1.407	20.00	21.54	101	20.00	21.54	101	0	80-120	20	
Nitrite as N	<0.01000	10.00	20.40	204	10.00	20.41	204	0	80-120	20	X
Sulfate	106.6	20.00	124.7	91	20.00	124.7	91	0	80-120	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12142020

Work Order # : 679744 **Project ID:**

Lab Batch ID: 3144013 **QC- Sample ID:** 679790-001 S **Batch #:** 1 **Matrix:** Surface Water

Date Analyzed: 12.04.2020 **Date Prepared:** 12.04.2020 **Analyst:** JYM

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Inorganic Anions by EPA 300/300.1 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	1.76	10.0	11.0	92	10.0	11.0	92	0	90-110	20	
Nitrate as N	0.217	10.0	9.98	98	10.0	9.98	98	0	90-110	20	
Nitrite as N	0.0557	10.0	10.3	102	10.0	10.3	102	0	90-110	20	
Sulfate	4.12	10.0	13.9	98	10.0	13.9	98	0	90-110	20	

Lab Batch ID: 3144691 **QC- Sample ID:** 679567-001 S **Batch #:** 1 **Matrix:** Waste Water

Date Analyzed: 12.11.2020 **Date Prepared:** 12.10.2020 **Analyst:** DEP

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Recoverable Metals per ICP by EPA 200.7 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Calcium	9.57	25.0	33.7	97	25.0	33.7	97	0	70-130	20	
Magnesium	2.05	25.0	27.1	100	25.0	27.1	100	0	70-130	20	
Potassium	2.21	10.0	11.8	96	10.0	11.8	96	0	70-130	20	
Sodium	13.1	25.0	37.2	96	25.0	37.2	96	0	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12142020

Work Order # : 679744 **Project ID:**

Lab Batch ID: 3144289 **QC- Sample ID:** 679744-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12.08.2020 **Date Prepared:** 12.08.2020 **Analyst:** ARM

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Gasoline Range Hydrocarbons (GRO)	<0.906	91.7	75.4	82	92.3	75.3	82	0	70-135	20	
Diesel Range Organics (DRO)	<0.837	91.7	78.1	85	92.3	77.8	84	0	70-135	20	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasibad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 679744

Page _____ of _____

Project Manager:	DAVID ADKINS	Bill to: (if different)	Camille Bryant
Company Name:	TALON/LPE	Company Name:	PLAINS Pipeline
Address:	408 W. Texas Ave	Address:	
City, State ZIP:	Artesia NM 88210	City, State ZIP:	
Phone:	575.441.4835	Email:	

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	☒
Project Location	Hobbs NM	Rush:	
Sampler's Name:	D. ADKINS	Due Date:	
SRS PO#:	2003-00017	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	6.2/6.0	Thermometer ID	
Received Intact:	Yes No	T-NM-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	3

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH	BTEX	TOTAL chlorides	Cations	Anions
	Irrigation well	GW	12/3/20	1100		3	/	/	/	/	/

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr 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 **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
	Cloe Cuttler	12.3.20 1440	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 74226

Date/Time:	12.03.2020	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Midland**	Air Bill No.:		E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
679744-001	W	Irrigation Well	12.03.2020 11:00	SW8015MOD_NM	TPH by SW8015 Mod	12.09.2020	12.17.2020	JKR	PHCC10C28 PHCC28C3	
679744-001	W	Irrigation Well	12.03.2020 11:00	SW8021B	BTEX by EPA 8021	12.09.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Cloe Clifton

Date Relinquished: 12.03.2020

Received By: Jessica Kramer

Jessica Kramer

Date Received: 12.04.2020

Cooler Temperature: 2.5

Inter-Office Shipment

IOS Number : 74228

Date/Time:	12.03.2020	Created by:	Cloe Clifton	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Houston**	Air Bill No.:	772258596547	E-Mail:	jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
679744-001	W	Irrigation Well	12.03.2020 11:00	E200.7	Recoverable Metals per ICP by EPA 200	12.09.2020	06.01.2021	JKR	CA K MG NA	
679744-001	W	Irrigation Well	12.03.2020 11:00	E300	Inorganic Anions by EPA 300/300.1	12.09.2020	**12.05.2020 11:00**	JKR	CL NO2N NO3N SO4	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton

Date Relinquished: 12.03.2020

Received By: Hypatia Keys

Date Received: 12.04.2020

Cooler Temperature: 1.6

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 74226

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 12.03.2020 03.55 PM

Received By: Jessica Kramer **Date Received:** 12.04.2020 12.12 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 12.04.2020

Jessica Kramer

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 74228

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-188

Sent By: Cloe Clifton **Date Sent:** 12.03.2020 03.58 PM

Received By: Hypatia Keys **Date Received:** 12.04.2020 09.30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Hypatia Keys Date: 12.04.2020

Hypatia Keys

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 12.03.2020 02.40.00 PM

Work Order #: 679744

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Samples sent to Midland and Stafford.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 12.03.2020

Checklist reviewed by: Jessica Kramer Date: 12.09.2020

Jessica Kramer

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Analytical Report 679910

for

Talon LPE-Artesia

Project Manager: David Adkins

Hobbs Junction Mainline

700376.052.11

12.11.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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12.11.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **679910**
Hobbs Junction Mainline
Project Address: Hobbs, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 679910. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 679910 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 679910

Talon LPE-Artesia, Artesia, NM

Hobbs Junction Mainline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-28	W	12.03.2020 09:00		679910-001
MW-33	W	12.03.2020 09:40		679910-002
MW-13	W	12.03.2020 10:00		679910-003
MW-7	W	12.03.2020 10:30		679910-004
MW-23	W	12.03.2020 10:40		679910-005
MW-32	W	12.03.2020 11:25		679910-006
MW-24	W	12.03.2020 11:30		679910-007
MW-22	W	12.03.2020 11:50		679910-008
MW-21	W	12.03.2020 12:40		679910-009
MW-31	W	12.03.2020 13:20		679910-010
MW-18	W	12.03.2020 13:30		679910-011

CASE NARRATIVE

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Client Name: Talon LPE-Artesia

Project Name: Hobbs Junction Mainline

Project ID:	*700376.052.11*	Report Date:	*12.11.2020*
Work Order Number(s):	*679910*	Date Received:	*12.04.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3144318 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 679808-003 S,679808-003 SD,679910-004,679910-005.

Batch: LBA-3144379 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Samples affected are: 7716761-1-BSD,679910-011 S,679910-011 SD,679910-010.

Batch: LBA-3144492 BTEX by EPA 8021

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; Samples affected are: 679910-001.

Surrogate 1,4-Difluorobenzene recovered above QC limits Samples affected are: 7716821-1-BKS,7716821-1-BSD,679910-001 S,679910-001 SD,679910-002,679910-003.

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Certificate of Analytical Results
679910
Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **MW-28** Matrix: Water Sample Depth:

Lab Sample Id: 679910-001 Date Collected: 12.03.2020 09:00 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144492 Date Prep: 12.10.2020 08:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716821

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00103**	0.00200	0.000408	mg/L	12.10.2020 15:46	J	1
Toluene	108-88-3	**0.00160**	0.00200	0.000367	mg/L	12.10.2020 15:46	J	1
Ethylbenzene	100-41-4	**0.00100**	0.00200	0.000657	mg/L	12.10.2020 15:46	J	1
m_p-Xylenes	179601-23-1	**0.00137**	0.00400	0.000630	mg/L	12.10.2020 15:46	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.10.2020 15:46	U	1
Xylenes, Total	1330-20-7	**0.001370**		0.0006300	mg/L	12.10.2020 15:46	J	
Total BTEX		**0.005000**		0.0003670	mg/L	12.10.2020 15:46		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	134	70 - 130	%		**

Sample Id: **MW-33** Matrix: Water Sample Depth:

Lab Sample Id: 679910-002 Date Collected: 12.03.2020 09:40 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144492 Date Prep: 12.10.2020 08:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716821

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000470**	0.00200	0.000408	mg/L	12.10.2020 16:12	J	1
Toluene	108-88-3	**0.00123**	0.00200	0.000367	mg/L	12.10.2020 16:12	J	1
Ethylbenzene	100-41-4	**0.00114**	0.00200	0.000657	mg/L	12.10.2020 16:12	J	1
m_p-Xylenes	179601-23-1	**0.000770**	0.00400	0.000630	mg/L	12.10.2020 16:12	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.10.2020 16:12	U	1
Xylenes, Total	1330-20-7	**0.0007700**		0.0006300	mg/L	12.10.2020 16:12	J	
Total BTEX		**0.003610**		0.0003670	mg/L	12.10.2020 16:12		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	174	70 - 130	%		**
4-Bromofluorobenzene	100	70 - 130	%		

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Hobbs Junction Mainline

Sample Id: **MW-13** Matrix: Water Sample Depth:

Lab Sample Id: 679910-003 Date Collected: 12.03.2020 10:00 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144492 Date Prep: 12.10.2020 08:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716821

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000730**	0.00200	0.000408	mg/L	12.10.2020 16:38	J	1
Toluene	108-88-3	**0.00107**	0.00200	0.000367	mg/L	12.10.2020 16:38	J	1
Ethylbenzene	100-41-4	**0.000740**	0.00200	0.000657	mg/L	12.10.2020 16:38	J	1
m_p-Xylenes	179601-23-1	**0.000830**	0.00400	0.000630	mg/L	12.10.2020 16:38	J	1
o-Xylene	95-47-6	**0.000700**	0.00200	0.000642	mg/L	12.10.2020 16:38	J	1
Xylenes, Total	1330-20-7	**0.001530**		0.0006300	mg/L	12.10.2020 16:38	J	
Total BTEX		**0.004070**		0.0003670	mg/L	12.10.2020 16:38		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	191	70 - 130	%		**
4-Bromofluorobenzene	113	70 - 130	%		

Sample Id: **MW-7** Matrix: Water Sample Depth:

Lab Sample Id: 679910-004 Date Collected: 12.03.2020 10:30 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00135**	0.00200	0.000408	mg/L	12.09.2020 11:24	J	1
Toluene	108-88-3	**0.00111**	0.00200	0.000367	mg/L	12.09.2020 11:24	J	1
Ethylbenzene	100-41-4	**0.000760**	0.00200	0.000657	mg/L	12.09.2020 11:24	J	1
m_p-Xylenes	179601-23-1	**0.000870**	0.00400	0.000630	mg/L	12.09.2020 11:24	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 11:24	U	1
Xylenes, Total	1330-20-7	**0.0008700**		0.0006300	mg/L	12.09.2020 11:24	J	
Total BTEX		**0.004090**		0.0003670	mg/L	12.09.2020 11:24		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	147	70 - 130	%		**
4-Bromofluorobenzene	108	70 - 130	%		

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Sample Id: **MW-23** Matrix: Water Sample Depth:

Lab Sample Id: 679910-005 Date Collected: 12.03.2020 10:40 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00131**	0.00200	0.000408	mg/L	12.09.2020 11:50	J	1
Toluene	108-88-3	**0.000870**	0.00200	0.000367	mg/L	12.09.2020 11:50	J	1
Ethylbenzene	100-41-4	**0.000840**	0.00200	0.000657	mg/L	12.09.2020 11:50	J	1
m_p-Xylenes	179601-23-1	**0.000780**	0.00400	0.000630	mg/L	12.09.2020 11:50	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 11:50	U	1
Xylenes, Total	1330-20-7	**0.0007800**		0.0006300	mg/L	12.09.2020 11:50	J	
Total BTEX		**0.003800**		0.0003670	mg/L	12.09.2020 11:50		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	137	70 - 130	%		**
4-Bromofluorobenzene	109	70 - 130	%		

Sample Id: **MW-32** Matrix: Water Sample Depth:

Lab Sample Id: 679910-006 Date Collected: 12.03.2020 11:25 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000590**	0.00200	0.000408	mg/L	12.09.2020 12:16	J	1
Toluene	108-88-3	**0.000750**	0.00200	0.000367	mg/L	12.09.2020 12:16	J	1
Ethylbenzene	100-41-4	**0.000850**	0.00200	0.000657	mg/L	12.09.2020 12:16	J	1
m_p-Xylenes	179601-23-1	**0.000970**	0.00400	0.000630	mg/L	12.09.2020 12:16	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 12:16	U	1
Xylenes, Total	1330-20-7	**0.0009700**		0.0006300	mg/L	12.09.2020 12:16	J	
Total BTEX		**0.003160**		0.0003670	mg/L	12.09.2020 12:16		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	161	70 - 130	%		**
4-Bromofluorobenzene	111	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **MW-24** Matrix: Water Sample Depth:

Lab Sample Id: 679910-007 Date Collected: 12.03.2020 11:30 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000860**	0.00200	0.000408	mg/L	12.09.2020 12:42	J	1
Toluene	108-88-3	**0.000890**	0.00200	0.000367	mg/L	12.09.2020 12:42	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.09.2020 12:42	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.09.2020 12:42	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 12:42	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.09.2020 12:42	U	
Total BTEX		**0.001750**		0.0003670	mg/L	12.09.2020 12:42	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	149	70 - 130	%		**
4-Bromofluorobenzene	110	70 - 130	%		

Sample Id: **MW-22** Matrix: Water Sample Depth:

Lab Sample Id: 679910-008 Date Collected: 12.03.2020 11:50 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0302**	0.00200	0.000408	mg/L	12.09.2020 13:08		1
Toluene	108-88-3	**0.00125**	0.00200	0.000367	mg/L	12.09.2020 13:08	J	1
Ethylbenzene	100-41-4	**0.0166**	0.00200	0.000657	mg/L	12.09.2020 13:08		1
m_p-Xylenes	179601-23-1	**0.000750**	0.00400	0.000630	mg/L	12.09.2020 13:08	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 13:08	U	1
Xylenes, Total	1330-20-7	**0.0007500**		0.0006300	mg/L	12.09.2020 13:08	J	
Total BTEX		**0.04880**		0.0003670	mg/L	12.09.2020 13:08		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	156	70 - 130	%		**
4-Bromofluorobenzene	120	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **MW-21** Matrix: Water Sample Depth:

Lab Sample Id: 679910-009 Date Collected: 12.03.2020 12:40 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**11.9**	0.100	0.0204	mg/L	12.10.2020 14:54	D	50
Toluene	108-88-3	**0.00236**	0.00200	0.000367	mg/L	12.09.2020 13:34		1
Ethylbenzene	100-41-4	**1.92**	0.100	0.0329	mg/L	12.10.2020 14:54	D	50
m_p-Xylenes	179601-23-1	**0.214**	0.00400	0.000630	mg/L	12.09.2020 13:34		1
o-Xylene	95-47-6	**0.00692**	0.00200	0.000642	mg/L	12.09.2020 13:34		1
Xylenes, Total	1330-20-7	**0.2209**		0.0006300	mg/L	12.09.2020 13:34		
Total BTEX		**14.04**		0.0003670	mg/L	12.10.2020 14:54		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	72	70 - 130	%		
4-Bromofluorobenzene	120	70 - 130	%		

Sample Id: **MW-31** Matrix: Water Sample Depth:

Lab Sample Id: 679910-010 Date Collected: 12.03.2020 13:20 Date Received: 12.04.2020 16:34

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144379 Date Prep: 12.09.2020 12:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00244**	0.00200	0.000408	mg/L	12.09.2020 18:17		1
Toluene	108-88-3	**0.000990**	0.00200	0.000367	mg/L	12.09.2020 18:17	J	1
Ethylbenzene	100-41-4	**0.00116**	0.00200	0.000657	mg/L	12.09.2020 18:17	J	1
m_p-Xylenes	179601-23-1	**0.00113**	0.00400	0.000630	mg/L	12.09.2020 18:17	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 18:17	U	1
Xylenes, Total	1330-20-7	**0.001130**		0.0006300	mg/L	12.09.2020 18:17	J	
Total BTEX		**0.005720**		0.0003670	mg/L	12.09.2020 18:17		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	157	70 - 130	%		**
4-Bromofluorobenzene	106	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
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Sample Id:	**MW-18**	Matrix:	Water	Sample Depth:	
Lab Sample Id:	679910-011	Date Collected:	12.03.2020 13:30	Date Received:	12.04.2020 16:34
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MNR	% Moist:			
Seq Number:	3144379	Date Prep:	12.09.2020 12:00	Tech:	MNR
Subcontractor:	SUB: T104704400-20-21	Prep seq:	7716761		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00124**	0.00200	0.000408	mg/L	12.09.2020 17:51	J	1
Toluene	108-88-3	**0.000700**	0.00200	0.000367	mg/L	12.09.2020 17:51	J	1
Ethylbenzene	100-41-4	**0.000870**	0.00200	0.000657	mg/L	12.09.2020 17:51	J	1
m_p-Xylenes	179601-23-1	**0.000920**	0.00400	0.000630	mg/L	12.09.2020 17:51	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 17:51	U	1
Xylenes, Total	1330-20-7	**0.0009200**		0.0006300	mg/L	12.09.2020 17:51	J	
Total BTEX		**0.003730**		0.0003670	mg/L	12.09.2020 17:51		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	81	70 - 130	%		
4-Bromofluorobenzene	125	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **7716709-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7716709-1-BLK Date Collected: Date Received:
Analytical Method: BTEX by EPA 8021 Prep Method: 5030B
Analyst: MNR % Moist:
Seq Number: 3144318 Date Prep: 12.08.2020 16:00 Tech: MNR
Subcontractor: SUB: T104704400-20-21 Prep seq: 7716709

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.09.2020 03:18	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.09.2020 03:18	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.09.2020 03:18	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.09.2020 03:18	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 03:18	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	87	70 - 130	%		
4-Bromofluorobenzene	83	70 - 130	%		

Sample Id: **7716761-1-BLK** Matrix: Water Sample Depth:
Lab Sample Id: 7716761-1-BLK Date Collected: Date Received:
Analytical Method: BTEX by EPA 8021 Prep Method: 5030B
Analyst: MNR % Moist:
Seq Number: 3144379 Date Prep: 12.09.2020 12:00 Tech: MNR
Subcontractor: SUB: T104704400-20-21 Prep seq: 7716761

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.09.2020 17:26	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.09.2020 17:26	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.09.2020 17:26	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.09.2020 17:26	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.09.2020 17:26	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	84	70 - 130	%		
4-Bromofluorobenzene	91	70 - 130	%		

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Talon LPE-Artesia, Artesia, NM
Hobbs Junction Mainline

Sample Id: **7716821-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7716821-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MNR % Moist:

Seq Number: 3144492 Date Prep: 12.10.2020 08:00 Tech: MNR

Subcontractor: SUB: T104704400-20-21 Prep seq: 7716821

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.10.2020 14:02	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.10.2020 14:02	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.10.2020 14:02	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.10.2020 14:02	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.10.2020 14:02	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	96	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12112020

Work Orders : 679910 **Project ID:** 700376.052.11

Lab Batch #: 3144318 **Sample:** 7716709-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 00:46 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0380	0.0300	127	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

Lab Batch #: 3144318 **Sample:** 679808-003 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 01:37 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0434	0.0300	145	70-130	**
4-Bromofluorobenzene	0.0284	0.0300	95	70-130	

Lab Batch #: 3144318 **Sample:** 679808-003 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 02:02 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0418	0.0300	139	70-130	**
4-Bromofluorobenzene	0.0301	0.0300	100	70-130	

Lab Batch #: 3144318 **Sample:** 7716709-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 03:18 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0261	0.0300	87	70-130	
4-Bromofluorobenzene	0.0250	0.0300	83	70-130	

Lab Batch #: 3144318 **Sample:** 7716709-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 08:50 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0381	0.0300	127	70-130	
4-Bromofluorobenzene	0.0316	0.0300	105	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12112020

Work Orders : 679910 **Project ID:** 700376.052.11

Lab Batch #: 3144379 **Sample:** 7716761-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 14:51 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0379	0.0300	126	70-130	
4-Bromofluorobenzene	0.0311	0.0300	104	70-130	

Lab Batch #: 3144379 **Sample:** 7716761-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 15:17 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0399	0.0300	133	70-130	**
4-Bromofluorobenzene	0.0336	0.0300	112	70-130	

Lab Batch #: 3144379 **Sample:** 679910-011 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 15:43 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0450	0.0300	150	70-130	**
4-Bromofluorobenzene	0.0337	0.0300	112	70-130	

Lab Batch #: 3144379 **Sample:** 679910-011 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 16:09 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0431	0.0300	144	70-130	**
4-Bromofluorobenzene	0.0320	0.0300	107	70-130	

Lab Batch #: 3144379 **Sample:** 7716761-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.09.2020 17:26 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0252	0.0300	84	70-130	
4-Bromofluorobenzene	0.0272	0.0300	91	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12112020

Work Orders : 679910 **Project ID:** 700376.052.11

Lab Batch #: 3144492 **Sample:** 7716821-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.10.2020 11:26 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.04141	0.03000	138	70-130	**
4-Bromofluorobenzene	0.0310	0.0300	103	70-130	

Lab Batch #: 3144492 **Sample:** 7716821-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.10.2020 11:52 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.04747	0.03000	158	70-130	**
4-Bromofluorobenzene	0.0336	0.0300	112	70-130	

Lab Batch #: 3144492 **Sample:** 679910-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.10.2020 12:18 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.04568	0.03000	152	70-130	**
4-Bromofluorobenzene	0.0351	0.0300	117	70-130	

Lab Batch #: 3144492 **Sample:** 679910-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.10.2020 12:44 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.04980	0.03000	166	70-130	**
4-Bromofluorobenzene	0.0341	0.0300	114	70-130	

Lab Batch #: 3144492 **Sample:** 7716821-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.10.2020 14:02 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.02805	0.03000	94	70-130	
4-Bromofluorobenzene	0.0287	0.0300	96	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Hobbs Junction Mainline

Work Order #: 679910 **Project ID:** 700376.052.11

Analyst: MNR **Date Prepared:** 12.08.2020 **Date Analyzed:** 12.09.2020

Lab Batch ID: 3144318 **Sample:** 7716709-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.08730	87	0.100	0.1060	106	19	70-130	25	
Toluene	<0.000367	0.100	0.09260	93	0.100	0.1120	112	19	70-130	25	
Ethylbenzene	<0.000657	0.100	0.09140	91	0.100	0.1120	112	20	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.1880	94	0.200	0.2300	115	20	70-130	25	
o-Xylene	<0.000642	0.100	0.09460	95	0.100	0.1120	112	17	70-130	25	

Analyst: MNR **Date Prepared:** 12.09.2020 **Date Analyzed:** 12.09.2020

Lab Batch ID: 3144379 **Sample:** 7716761-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.09530	95	0.100	0.09990	100	5	70-130	25	
Toluene	<0.000367	0.100	0.09590	96	0.100	0.1030	103	7	70-130	25	
Ethylbenzene	<0.000657	0.100	0.09510	95	0.100	0.09960	100	5	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.1920	96	0.200	0.2120	106	10	70-130	25	
o-Xylene	<0.000642	0.100	0.09740	97	0.100	0.1130	113	15	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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BS / BSD Recoveries

Project Name: Hobbs Junction Mainline

Work Order #: 679910 **Project ID:** 700376.052.11

Analyst: MNR **Date Prepared:** 12.10.2020 **Date Analyzed:** 12.10.2020

Lab Batch ID: 3144492 **Sample:** 7716821-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.09570	96	0.100	0.1040	104	8	70-130	25	
Toluene	<0.000367	0.100	0.1020	102	0.100	0.1070	107	5	70-130	25	
Ethylbenzene	<0.000657	0.100	0.1030	103	0.100	0.1080	108	5	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.2130	107	0.200	0.2220	111	4	70-130	25	
o-Xylene	<0.000642	0.100	0.1060	106	0.100	0.1110	111	5	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12112020

Work Order # : 679910 **Project ID:** 700376.052.11

Lab Batch ID: 3144318 **QC- Sample ID:** 679808-003 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12.09.2020 **Date Prepared:** 12.08.2020 **Analyst:** MNR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.000480	0.100	0.0868	86	0.100	0.0923	92	6	70-130	25	
Toluene	0.000760	0.100	0.0800	79	0.100	0.0973	97	20	70-130	25	
Ethylbenzene	0.000890	0.100	0.0905	90	0.100	0.0974	97	7	70-130	25	
m_p-Xylenes	0.00104	0.200	0.186	92	0.200	0.201	100	8	70-130	25	
o-Xylene	<0.000642	0.100	0.0952	95	0.100	0.102	102	7	70-130	25	

Lab Batch ID: 3144379 **QC- Sample ID:** 679910-011 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12.09.2020 **Date Prepared:** 12.09.2020 **Analyst:** MNR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.00124	0.100	0.102	101	0.100	0.100	99	2	70-130	25	
Toluene	0.000700	0.100	0.103	102	0.100	0.0869	86	17	70-130	25	
Ethylbenzene	0.000870	0.100	0.104	103	0.100	0.0986	98	5	70-130	25	
m_p-Xylenes	0.000920	0.200	0.212	106	0.200	0.203	101	4	70-130	25	
o-Xylene	<0.000642	0.100	0.109	109	0.100	0.103	103	6	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Form 3 - MS / MSD Recoveries

Project Name: Hobbs Junction Mainline

Report Date: 12112020

Project ID: 700376.052.11

Work Order # : 679910

Lab Batch ID: 3144492 **QC- Sample ID:** 679910-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 12.10.2020 **Date Prepared:** 12.10.2020 **Analyst:** MNR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.00103	0.100	0.0996	99	0.100	0.105	104	5	70-130	25	
Toluene	0.00160	0.100	0.0973	96	0.100	0.103	101	6	70-130	25	
Ethylbenzene	0.00100	0.100	0.0948	94	0.100	0.0991	98	4	70-130	25	
m_p-Xylenes	0.00137	0.200	0.195	97	0.200	0.203	101	4	70-130	25	
o-Xylene	<0.000642	0.100	0.100	100	0.100	0.101	101	1	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 679910

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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 STREET	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:	200376.052.11	Routine	☒
Project Location	Hobbs, NM	Rush:	
Sampler's Name:	Ray Bell	Due Date:	
PO #:	SRS# 2003-00017	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	1.6/1.4	Thermometer ID	T-NM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	33

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021
	MW-28	GW	12-3-20	9:00	N/A	3		X
	MW-33			9:40				
	MW-13			10:00				
	MW-7			10:30				
	MW-23			10:40				
	MW-32			11:25				
	MW-24			11:30				
	MW-22			11:50				
	MW-21			12:40				
	MW-31			1:20				

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Email Analytical To: Camille Bryant

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr 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 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
Ray Bell	Cole Cuffle	12.4.20 1634	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Work Order No: 679910

Page 2 of 2

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	TALON / LPE	Company Name:	Pipeline
Address:	408 Texas Street	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:	700376.052.11	Routine	☒
Project Location	Hobbs, NM	Rush:	
Sampler's Name:	Roy Bell	Due Date:	
PO #:	SRS#2003-00017	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No	See Page 1	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021
	MW18	GW	12/3/20	1:30	N/A	3		X

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Email Analyticals to: Camille Bryant

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

1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
	Cloe Cuffles	12.4.20 1634	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 74382

Date/Time: 12.07.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**

Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
679910-001	W	MW-28	12.03.2020 09:00	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-002	W	MW-33	12.03.2020 09:40	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-003	W	MW-13	12.03.2020 10:00	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-004	W	MW-7	12.03.2020 10:30	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-005	W	MW-23	12.03.2020 10:40	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-006	W	MW-32	12.03.2020 11:25	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-007	W	MW-24	12.03.2020 11:30	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-008	W	MW-22	12.03.2020 11:50	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-009	W	MW-21	12.03.2020 12:40	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-010	W	MW-31	12.03.2020 13:20	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	
679910-011	W	MW-18	12.03.2020 13:30	SW8021B	BTEX by EPA 8021	12.10.2020	12.17.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Cloe Clifton

Date Relinquished: 12.07.2020

Received By: Jessica Kramer
Jessica Kramer

Date Received: 12.08.2020

Cooler Temperature: 1.2

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 74382

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 12.07.2020 03.24 PM

Received By: Jessica Kramer **Date Received:** 12.08.2020 02.11 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 12.08.2020

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 12.04.2020 04.34.00 PM

Work Order #: 679910

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Samples sent to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 12.04.2020

Checklist reviewed by: Jessica Kramer Date: 12.07.2020

Jessica Kramer

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

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay St, Ste 1600 Houston, TX 77002	34053
	Action Number: 23717
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor recommendations approved 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. OCD approves to discontinued PAH sampling in groundwater monitoring wells MW-21, MW-22, MW-28, MW-31, MW-32 and MW-33. 5. Continue to sample for PAH in MW-18 for at least one more year. 6. Initiate PAH sampling on any well where measurable PSH is reduced to dissolved phase 7. Submit annual report to OCD no later than March 31,2022.	1/11/2022