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2022 ANNUAL GROUNDWATER MONITORING REPORT

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

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

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Reviewed 2022 Annual
Groundwater Monitoring Report
and results: Content
Satisfactory, but was missing
content

- 1. Continue to Monitor groundwater wells for COCs per this report.
- 2. Include section for recommendations (4.2) (Missing Information in report) 3. Submit 2023 Annual Report by April 1, 2024.

March 28, 2023



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> PLAINS PIPELINE, L.P. 333 CLAY STREET, SUITE 1600 HOUSTON, TEXAS 77002

TALON/LPE PROJECT NO. 700376.052.11

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March 28, 2023



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

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1.0 INTRODUCTION

1.1 Objectives and Site Background

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

1.2 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) in the vicinity of the release point with a hollow-stem auger drilling rig. Refusal occurred 28 feet below ground surface (bgs), in well-indurated caliche. On March 5, 2003, using an air rotary rig, monitor wells MW-1 and MW-2 were installed to groundwater in order to evaluate the presence of phase separated hydrocarbons (PSH). After it was determined that monitor wells MW-1 and MW-2 were impacted with PSH, monitor wells MW-3 through MW-6 were installed in August 2003. PSH was detected in monitor wells MW-3 through MW-6 during the development process. On January 19 and 20, 2004, monitor wells MW-7 through MW-13 were installed in order to delineate the dissolved-phase plume. Subsequent to development, PSH was detected in monitor well MW-12. Monitor wells MW-14 through MW-17 were installed on May 24, 2004, outside the release perimeter. PSH was detected in monitor wells MW-14 and MW-17. Monitor wells MW-18 through MW-20 were installed in November 2006, and monitor wells MW-21

and MW-22 were installed on December 5, 2007, in order to further delineate the dissolved phase plume. Monitor wells MW-23 and MW-24 were installed on March 17, 2008, as requested by the New Mexico Oil Conservation Division (NMOCD), in order to further delineate the dissolved phase plume down-gradient towards the southeast. Subsequently, monitor wells MW-25, MW-26, and MW-27 were installed in December of 2011 to increase the density of pumping wells in order to increase drawdown of the groundwater level to further impede the migration of the dissolved-phase plume. Six (6) new monitor wells (MW-28 through MW-33) were installed in late April 2015. Two (2) of the wells, MW-29 and MW-30, were completed with 4-inch screen and blank riser to accommodate pneumatic pumps. Four (4) of the wells (MW-28 and MW-31 through MW33) were completed with 2-inch screen and blank riser to further delineate the benzene, toluene, ethylbenzene, and xylenes (BTEX) contamination located to the north, northeast, south and southeast (downgradient) of the dissolved-phase plume.

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

Currently, there are 12 pneumatic total fluid pumps installed in monitor wells MW-1 through MW-6, MW-11, MW-25 though MW-27, MW-29, and MW-30. The recovered PSH and water was pumped into a holding tank within a lined secondary containment. As the tank level fills, a high-level head pressure switch engages a fluid transfer pump that moves the recovered fluids to the Occidental Permian North Hobbs Unit Satellite 25 SWD.

During 2022, the recovery system extracted 58.22 barrels (bbls) of PSH and 6,966.70 bbls of groundwater.

Additionally, during 2022, 12 mobile dual-phase extraction (MDPE) events were conducted at the site on January 12, March 2, March 29, April 13, May 10, June 14, July 21, August 11, September 28, October 24, November 17, and December 21, 2022. A total of 281.09 bbls of PSH were recovered, consisting of 160.44 bbls of liquid PSH and 120.65 bbls of vapor PSH. In addition, 406.03 bbls of groundwater were recovered during the MDPE events conducted in 2022.

1.4 Regulatory Framework

Groundwater analytical data collected during quarterly groundwater monitoring events at the 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							

mg/L: milligrams per liter

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the site during the year 2022. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impact to the groundwater and determining if modifications to the remediation system would improve performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2022. The events occurred in: March, June, September, and December.

During the March 2022 groundwater monitoring event, groundwater samples were collected from 11 monitor wells: MW-7, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Due to the presence of PSH, 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that two (2) monitor wells (MW-9 and MW-20) were dry and two (2) monitor wells (MW-13 and MW-18) had insufficient water to purge or sample; therefore, the aforementioned wells were not purged or sampled.

During the June 2022 groundwater monitoring event, groundwater samples were collected from 13 monitor wells: MW-7, MW-13, MW-18, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Due to the presence of PSH, 18 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that two (2) monitor wells (MW-9 and MW-20) were dry; therefore, the aforementioned wells were not purged or sampled.

During the September 2022 groundwater monitoring event, groundwater samples were collected from 10 monitor wells: MW-7, MW-21 through MW-25, MW-28, MW-31 through MW-33. Due to the presence of PSH, 19 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-20, MW-26, MW-27, MW-29, and MW-30) were not sampled. It was noted that monitor well MW-9 was dry and three (3) monitor wells (MW-13, MW-18, and MW-19) had insufficient water to purge or sample; therefore, the aforementioned wells were not purged or sampled.

During the December 2022 groundwater monitoring event, groundwater samples were collected from 10 monitor wells: MW-7, MW-21 through MW-25, MW-28, MW-31 through MW-33. Due to the presence of PSH, 19 monitor wells (MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-20, MW-26,

MW-27, MW-29, and MW-30) were not sampled. It was noted that monitor well MW-9 was dry and three (3) monitor wells (MW-13, MW-18 MW-19) had insufficient water to purge or sample; therefore, the aforementioned wells were not purged or sampled.

Details of the gauging, purging, and sampling collection activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to monitor the presence and/or absence of PSH accumulations. The top of groundwater elevation was corrected in monitor wells impacted with PSH by the following equation: <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 2022 sampling events, along with historical measurements, are presented in Table 1 – Groundwater Gauging Data - Historical in Appendix B.

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

Groundwater samples were collected from monitoring wells not impacted with PSH utilizing dedicated disposable polyethylene bailers. The groundwater samples collected were transferred from the disposable bailer into appropriately preserved laboratory supplied sample containers. The groundwater samples were maintained on ice in the custody of Talon/LPE until submittal to Eurofins Xenco Laboratories, Inc. in Carlsbad, New Mexico for analysis. The collected samples were analyzed for BTEX by EPA Method SW-846 8021B.

Groundwater samples collected from MW-19, MW-21, MW-23, MW-24, and MW-25 were also analyzed for Monitored Natural Attenuation (MNA) parameters. The monitor wells sampled for MNA parameters were purged using low-flow groundwater sampling procedures. Field parameters for dissolved oxygen, oxidation-reduction potential. pH, temperature, and conductivity were collected every three (3) to five (5) minutes during purging activities. When three (3) consecutive, consistent readings were observed, a groundwater sample was taken from the pump's discharge tubing into appropriately preserved, laboratory supplied sample containers. The groundwater samples were maintained on ice in the custody of Talon/LPE until

submittal to Eurofins Xenco Laboratories, Inc. in Carlsbad, New Mexico for analysis of nitrate, sulfate, ferrous iron, manganese, alkalinity, and methane.

2.3 Phase Separated Hydrocarbon and Groundwater Recovery

The crude oil and groundwater recovered with the total fluid pumps were expelled into an onsite frac tank used as a settling tank where the oil and water are gravity separated. The tank is equipped with a head pressure switch, which operates a transfer pump. When the pump is engaged, recovered water is transferred to Occidental Permian's North Hobbs Satellite disposal facility via a 4-inch diameter High Density Polyethylene (HDPE) flow line.

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

During 2022, the quarterly PSH and groundwater recovery totals for the system are as follows:

- 1st Quarter 19.5 bbls of crude oil and 1,957 bbls of groundwater
- 2nd Quarter 30.6 bbls of crude oil and 3,814 bbls of groundwater
- 3rd Quarter 5.6 bbls of crude oil and 962 bbls of groundwater
- 4th Quarter 2.52 bbls of crude oil and 233.7 bbls of groundwater

In addition to the recovery system, 12 MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2022. The MDPE event recovery totals are as follows:

- January 12, 2022 11.26 bbls of vapor and 7.36 bbls of liquid
- March 2, 2022 9.21 bbls of vapor and 8.01 bbls of liquid
- March 29, 2022 13.19 bbls of vapor and 10.49 bbls of liquid
- April 13, 2022 8.86 bbls of vapor and 11.31 bbls of liquid
- May 10, 2022 3.68 bbls of vapor and 16.16 bbls of liquid
- June 14, 2022 7.21 bbls of vapor and 26.48 bbls of liquid
- July 1, 2022 13.23 bbls of vapor and 6.70 bbls of liquid
- August 11, 2022 11.65 bbls of vapor and 11.25 bbls of liquid
- September 28, 2022 12.07 bbls of vapor and 9.08 bbls of liquid
- October 24, 2022 6.50 bbls of vapor and 6.86 bbls of liquid
- November 17, 2022 11.18 bbls of vapor and 30.24 bbls of liquid
- December 21, 2022 12.61 bbls of vapor and 16.49 bbls of liquid

Approximately 339.32 bbls of oil were recovered during 2022 and a total of 5,274.11 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 – Groundwater Analytical Data - Historical and Table 4 – Groundwater Analytical Data – Historical – MNA Supplement in Appendix B. Laboratory analytical reports and chain of custody documentation are provided in Appendix C. The following sections present the results from the monitoring of the first water-bearing zone underlying the Hobbs Junction Mainline site.

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile, and the typical groundwater velocity averages seven (7) inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically been approximately 40 feet bgs and the groundwater flow direction is to the southeast at an average of 25 feet per mile.

The composition of Ogallala groundwater is defined as mixed-cation-HCO₃, 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 each of the quarterly groundwater monitoring events during 2022. The data collected is summarized in Table 1 - Groundwater Gauging Data - Historical, 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 general east-southeast, at an average gradient of 0.0047 feet/foot or approximately 24.82 feet per mile. Groundwater levels at the subject site have decreased on average 0.062 feet in 2022 and approximately 3.54 feet since 2017.

3.3 Phase Separated Hydrocarbon

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

- In March 2022, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29 and MW-30. PSH thicknesses ranged from 0.01 feet in MW-8, MW-11, MW-16, and MW-30 to 5.70 feet in MW-1.
- In June 2022, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.01 feet in MW-16 and MW-30 to 5.39 feet in MW-4.
- In September 2022, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-20, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.01 feet in MW-20 and MW-30 to 6.26 feet in MW-1.
- In December 2022, PSH was observed in monitor wells MW-1 through MW-6, MW-8, MW-10 through MW-12, MW-14 through MW-17, MW-20, MW-26, MW-27, MW-29, and MW-30. PSH thicknesses ranged from 0.01 feet in MW-8, MW-20, and MW-30 to 5.38 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 2022 groundwater monitoring event, groundwater samples were collected from 11 monitor wells: MW-7, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Samples collected from MW-23, MW-24, and MW-25 were also analyzed for MNA parameters.

- Benzene concentrations ranged from less than the laboratory Method Detection Limit (MDL) in MW-7, MW-22, MW-23, MW-24, MW-28, MW-31, and MW-33 to 1.91 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-19, MW-21, and MW-25.
- Toluene concentrations ranged from less than the laboratory MDL in MW-7, MW-19, MW-22 through MW-25, MW-28, MW-31, and MW-33 to 0.574 mg/L in MW-21. Toluene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any monitor wells sampled.

- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-21 through MW-24, MW-28, and MW-31 through MW-33 to 0.0880 mg/L in MW-19. 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 wells MW-7, MW-22 through MW-24, MW-28, and MW-31 through MW-33 to 0.730 mg/L in MW-21. Xylene concentrations exceeded the NMWQCC standard of 0.620 mg/L in monitor well MW-21.
- Methane concentrations ranged from <0.453 ug/L in MW-24 and MW-25 to 1,500 ug/L in MW-23.
- Ferrous iron concentrations were < 0.0280 mg/L in MW-23, MW-24 and MW-25.
- Manganese concentrations ranged from 0.00472 mg/L in MW-24 to 0.0478 mg/L in MW-23.
- Total Alkalinity concentrations ranged from 215 mg/L in MW-24 to 276 mg/L in MW-23.
- Sulfate concentrations ranged from 62.3 mg/L in MW-23 to 125 mg/L in MW-24.
- Nitrate as N concentrations ranged from 0.810 mg/L in MW-23 to 2.56 mg/L in MW-25.

During the June 2022 groundwater monitoring event, groundwater samples were collected from 13 monitor wells: MW-7, MW-13, MW-18, MW-19, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Samples collected from MW-19, MW-21, MW-23, and MW-24 were also analyzed for MNA parameters.

- Benzene concentrations ranged from less than the laboratory MDL in MW-7, MW-18, MW-22, MW-23, MW-24, MW-28, and MW-31 through MW-33 to 0.268 mg/L in MW-25. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor wells MW-19, MW-21, and MW-25.
- Toluene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-21 through MW-25, MW-28, and MW-31 through MW-33 to 0.00962 mg/L in MW-19. 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-18, MW-22, MW-23, MW-28, and MW-31 through MW-33 to 0.298 mg/L in MW-19. Ethylbenzene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.
- Xylene concentrations ranged from less than the laboratory MDL in MW-7, MW-13, MW-18, MW-22, MW-23, MW-28, and MW-31 through MW-33 to 0.160 mg/L in MW-19. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the monitor wells sampled.

- Methane concentrations ranged from 0.813 ug/L in MW-23 to 1,270 ug/L in MW-21.
- Ferrous iron concentrations ranged from <0.0280 mg/L in MW-19 to 0.660 mg/L in MW-23.
- Manganese concentrations ranged from 0.0130 mg/L in MW-24 to 0.0887 mg/L in MW-19.
- Total Alkalinity concentrations ranged from 235 mg/L in MW-24 to 496 mg/L in MW-19.
- Sulfate concentrations ranged from 21.8 mg/L in MW-19 to 121 mg/L in MW-23.
- Nitrate as N concentrations ranged from 0.210 mg/L in MW-21 to 2.36 mg/L in MW-23.

During the September 2022 groundwater monitoring event, groundwater samples were collected from 10 monitor wells: MW-7, MW-21 through MW-25, MW-28, and MW-31 through MW-33. Samples collected from MW-21, MW-23, MW-24, and MW-25 were also analyzed for MNA parameters.

- Benzene concentrations ranged from less than the laboratory MDL in MW-21 through MW-24, MW-28, and MW-31 through MW-33 to 0.392 mg/L in MW-25. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor well MW-25.
- Toluene concentrations were less than the laboratory MDL in all monitor wells except MW-25, which exhibited a concentration of 0.000603 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-22 through MW-24, MW-28, and MW-31 through MW-33 to 0.00666 mg/L in MW-25. Ethylbenzene concentrations did not exceed the NMWQCC standard of 0.750 mg/L in any of the monitor wells sampled.
- Xylene concentrations was less than the laboratory MDL in all monitor wells expect MW-25 which exhibited a concentration of 0.00321 mg/L. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the monitor wells sampled.
- Methane concentrations ranged from <0.453 ug/L in MW-23 and MW-24 to 753 ug/L in MW-25.
- Ferrous iron concentrations ranged from 0.0900 mg/L in MW-21 to 0.520 mg/L in MW-25.
- Manganese concentrations ranged from 0.00507 mg/L in MW-23 to 0.121 mg/L in MW-25.
- Total Alkalinity concentrations ranged from 227 mg/L in MW-24 to 268 mg/L in MW-23.

- Sulfate concentrations ranged from 56.0 mg/L in MW-21 to 121 mg/L in MW-23.
- Nitrate as N concentrations ranged from 0.496 mg/L in MW-21 to 2.26 mg/L in MW-24.

During the December 2022 groundwater monitoring event, groundwater samples were collected from 10 monitor wells: MW-7, MW-21 through MW-25, MW-28, MW-31 through MW-33. Samples collected from MW-21, MW-23, MW-24, and MW-25 were also analyzed for MNA parameters.

- Benzene concentrations ranged less than the laboratory MDL in MW-7, MW-23, MW-28, and MW-31 through MW-33 to 0.613 mg/L in MW-21. Benzene concentrations exceeded the NMWQCC standard of 0.010 mg/L in monitor well MW-21.
- Toluene concentrations were less than the laboratory MDL in all wells except MW-25 which exhibited a concentration of 0.000607 mg/L. Toluene concentrations were below the NMWQCC standard of 0.750 mg/L in all wells sampled this quarter.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in MW-7, MW-22, MW-23, MW-28, and MW-31 through MW-33 to 0.211 mg/L in MW-21. Ethylbenzene concentrations were below the NMWQCC standard of 0.750 mg/L in all wells this quarter.
- Xylene concentrations were less than the laboratory MDL in all wells except MW-21, which exhibited a concentration of 0.0274 mg/L. Xylene concentrations did not exceed the NMWQCC standard of 0.620 mg/L in any of the wells sampled this quarter.
- Methane concentrations ranged from <0.453 ug/L in MW-23 to 1,860 ug/L in MW-21.
- Ferrous iron concentrations ranged from 0.0500 mg/L in MW-25 to 0.510 mg/L in MW-21.
- Manganese concentrations ranged from 0.00528 mg/L in MW-23 to 0.0611 mg/L in MW-21.
- Total Alkalinity concentrations ranged from 234 mg/L in MW-24 to 394 mg/L in MW-21.
- Sulfate concentrations ranged from 26.7 mg/L in MW-21 to 109 mg/L in MW-23
- Nitrate as N concentrations ranged from 0.342 mg/L in MW-25 to 2.30 mg/L in MW-24.

The laboratory analytical results are summarized in Tables 2 and 4 in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

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



APPENDIX A

Figures

Figure	1	Site	Р	lan
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Figure 2a – Groundwater Gradient Map – 03/22/2022

Figure 2b – Groundwater Gradient Map – 06/21/2022

Figure 2c – Groundwater Gradient Map – 09/26/2022

Figure 2d – Groundwater Gradient Map – 12/27/2022

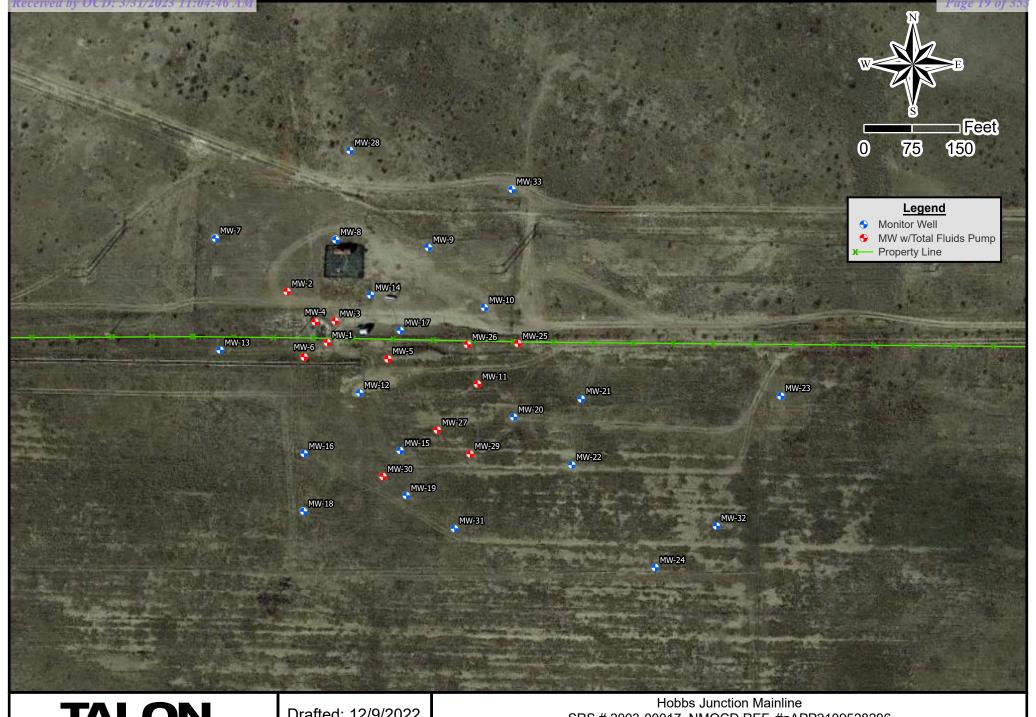
Figure 3a – PSH Thickness & Groundwater Concentration Map – 03/22-23/2022

Figure 3b – PSH Thickness & Groundwater Concentration Map – 06/21-23/2022

Figure 3c – PSH Thickness & Groundwater Concentration Map – 09/26-29/2022

Figure 3d – PSH Thickness & Groundwater Concentration Map – 12/27-29/202

Figure 4- Proposed Well Locations



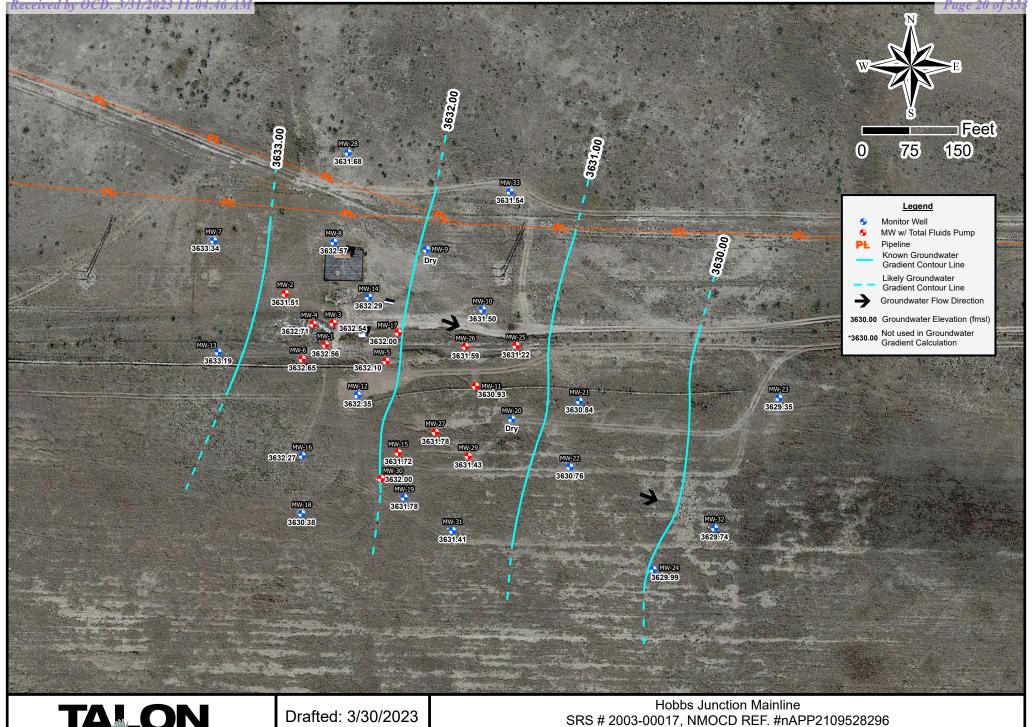
TALON LPE

Drafted: 12/9/2022 1 in = 150 ft

Drafted By: JAI

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

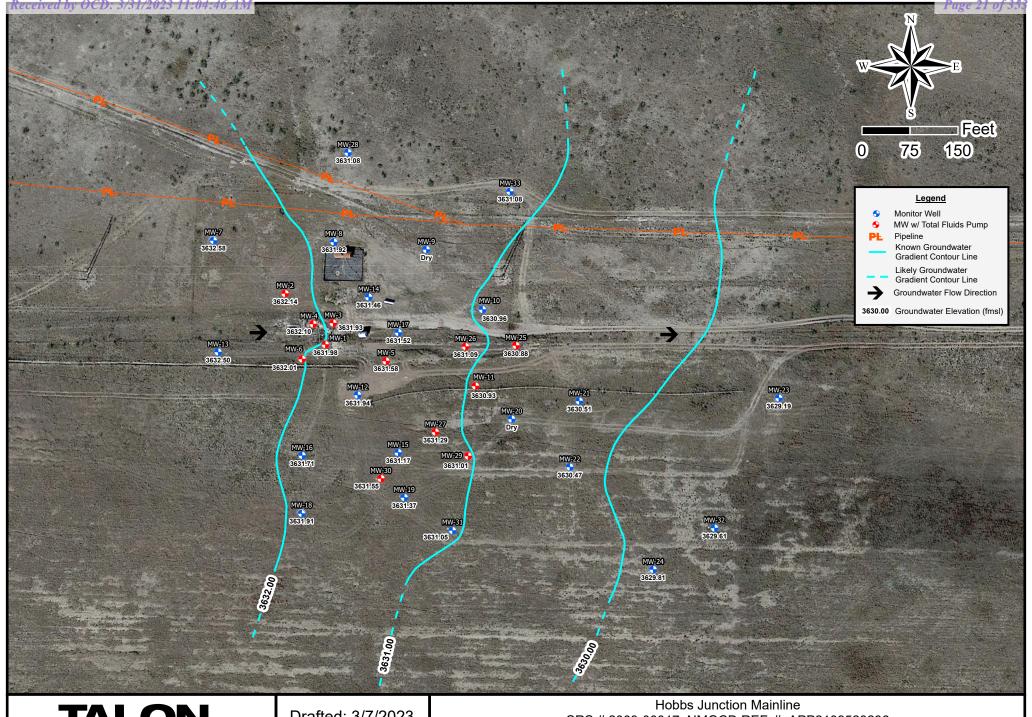
Figure 1 - Site Plan



1 in = 150 ftDrafted By: IJR

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

Figure 2a - Groundwater Gradient Map (03/22-23/2022)

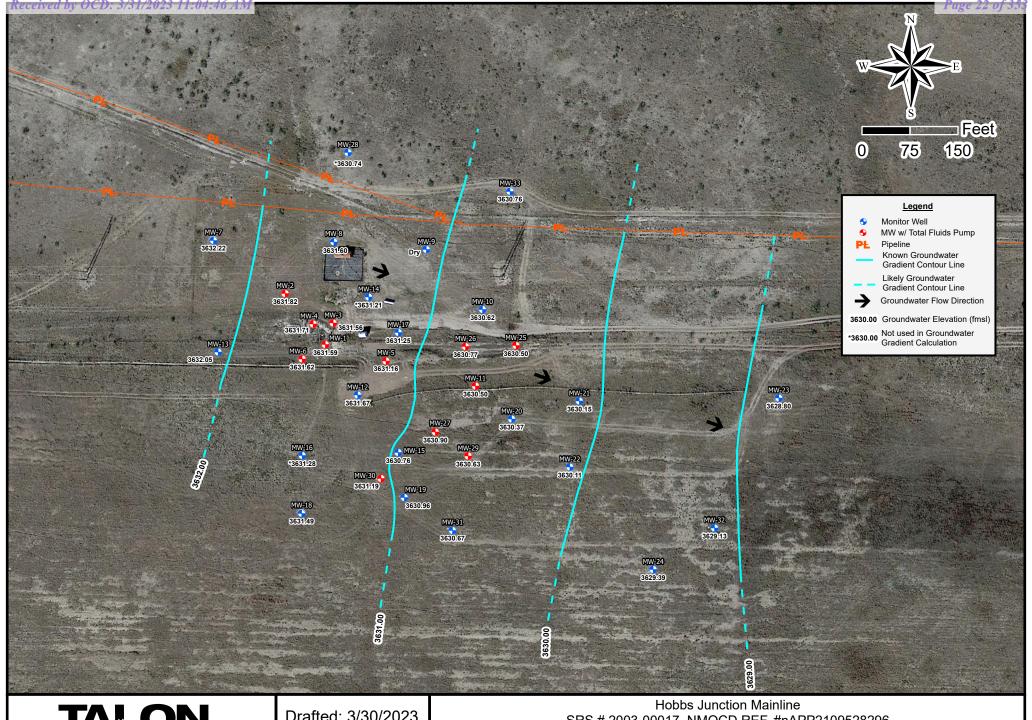




Drafted: 3/7/2023 1 in = 150 ft

Drafted By: JAI

Hobbs Junction Mainline SRS # 2003-00017, NMOCD REF. #nAPP2109528296 SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico 32.711580, -103.228061 Figure 2b - Groundwater Gradient Map (06/21/2022)



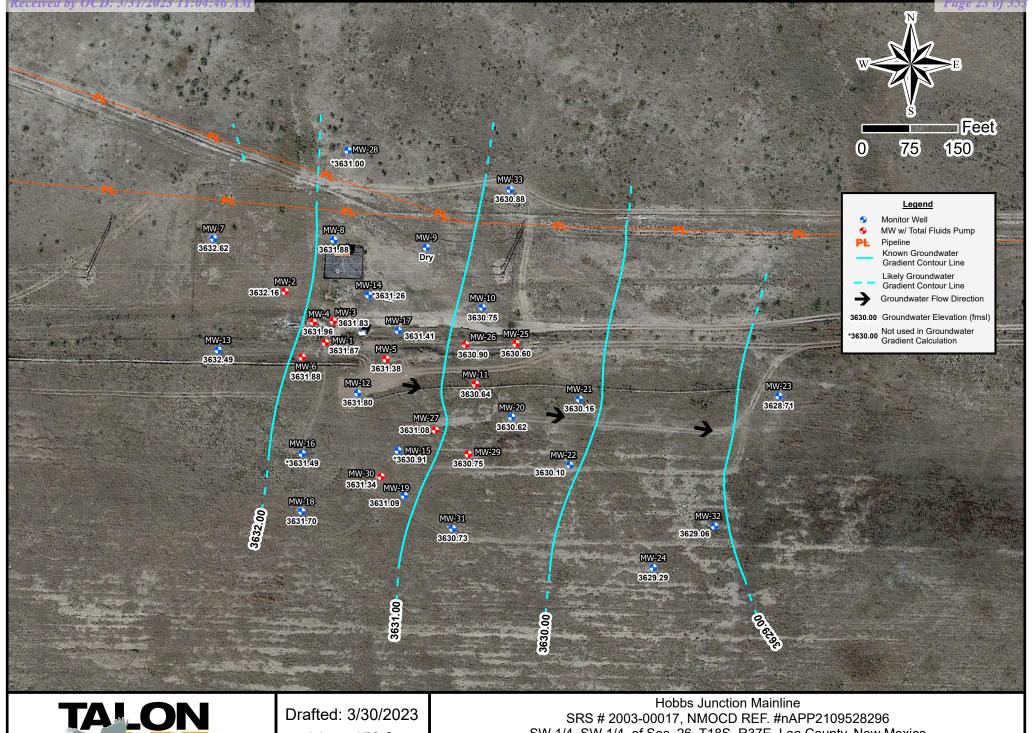


Drafted: 3/30/2023 1 in = 150 ft

Drafted By: IJR

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

Figure 2c - Groundwater Gradient Map (09/26/2022)

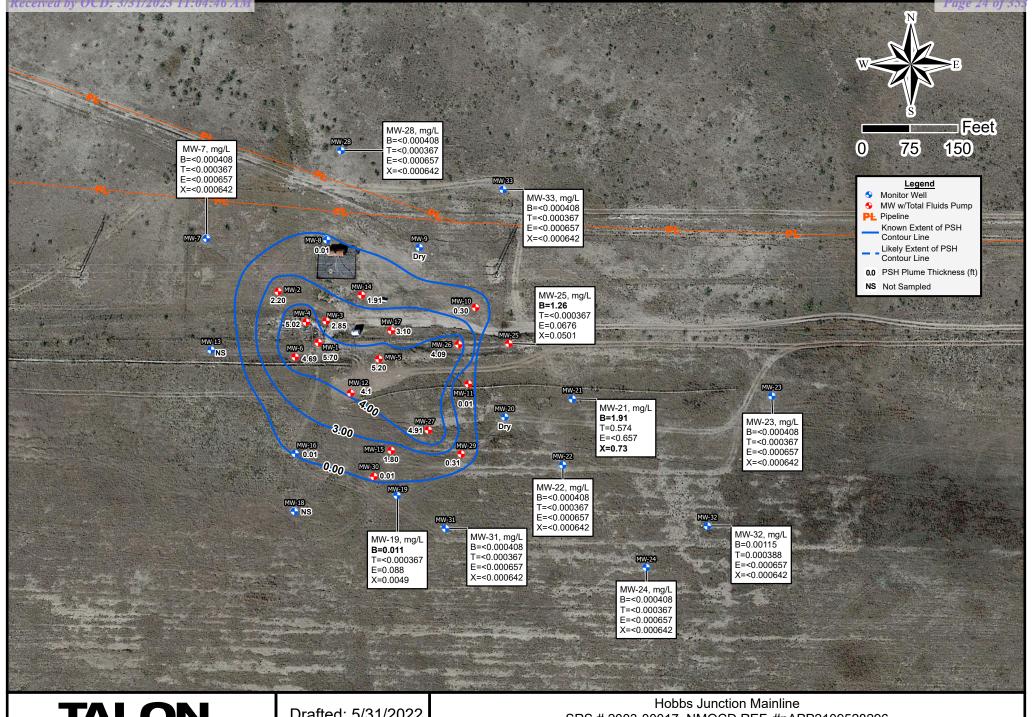


1 in = 150 ft

Drafted By: IJR

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

Figure 2d - Groundwater Gradient Map (12/27/2022)





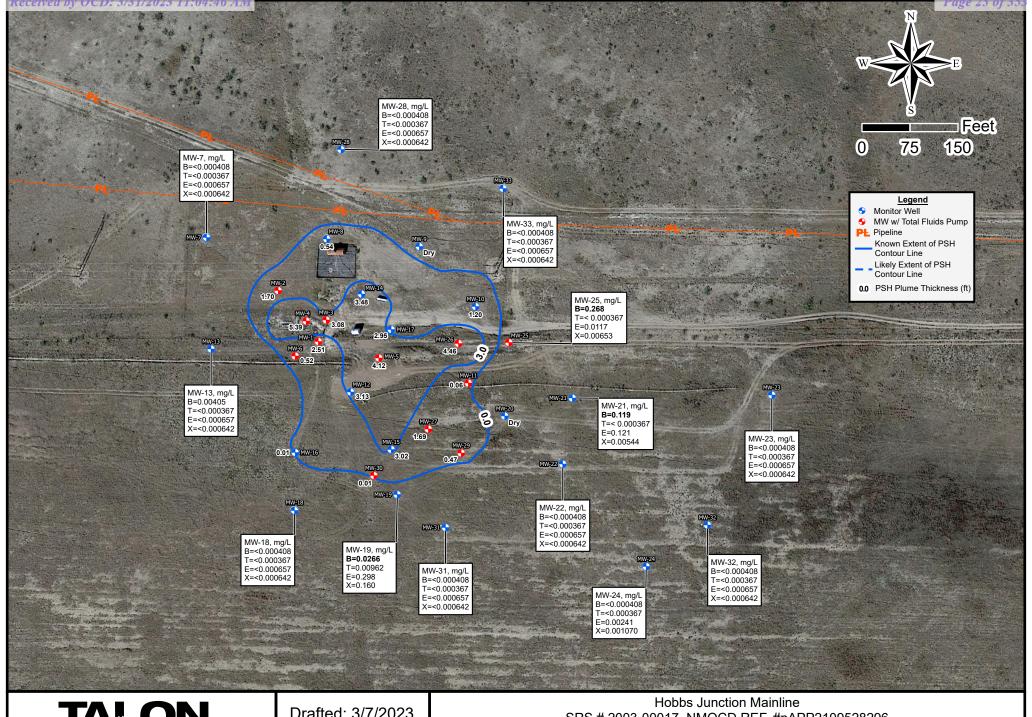
Drafted: 5/31/2022

1 in = 150 ft

Drafted By: IJR

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

Figure 3a - PSH Thickness and Groundwater Concentration Map (03/22-23/2022)



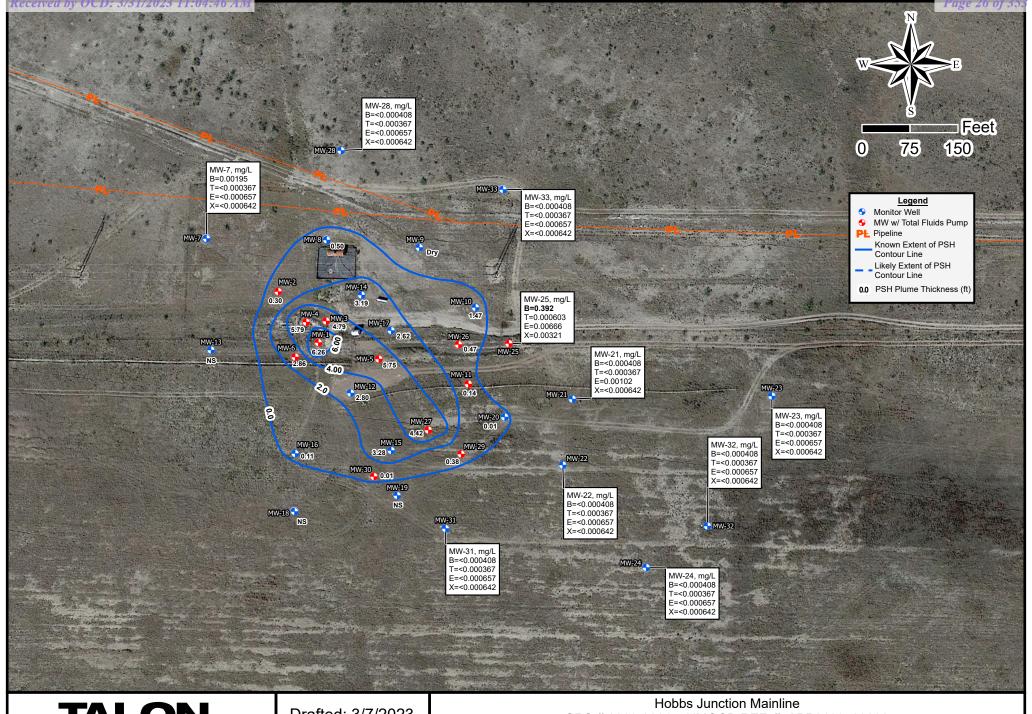


Drafted: 3/7/2023 1 in = 150 ft

Drafted By: IJR

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

Figure 3b - PSH Thickness and Groundwater Concentration Map (06/21-23/2022)





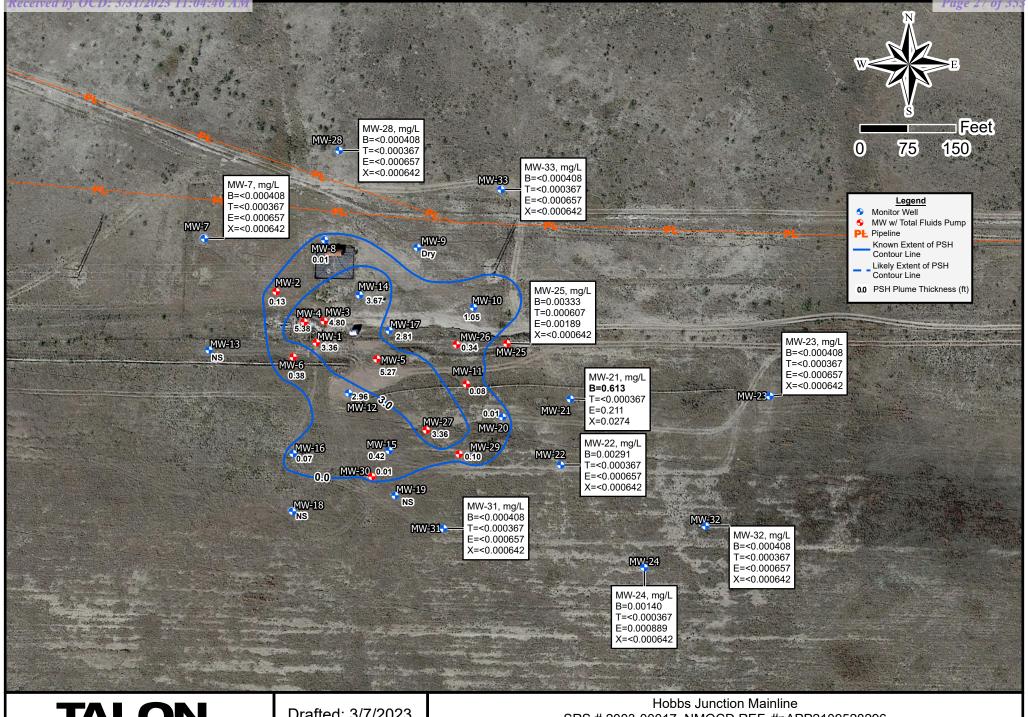
Drafted: 3/7/2023

1 in = 150 ft

Drafted By: JAI

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

Figure 3c - PSH Thickness and Groundwater Concentration Map (09/26-29/2022)





Drafted: 3/7/2023 1 in = 150 ft

Drafted By: IJR

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

Figure 3d - PSH Thickness and Groundwater Concentration Map (12/27-29/2022)



APPENDIX B

Tables

- Table 1 Groundwater Gauging Data Historical
- Table 2 Groundwater Analytical Data- Historical
- Table 3 Groundwater Analytical Data Historical PAH Supplement
- Table 4 Groundwater Analytical Data Historical MNA Supplement

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

Sample ID	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwate
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
MW-1	(fmsl) 3678.5	(ft) 39	(ft) 54	(ft) 03/09/2016	(ft) 45.50	(ft) 41.71	(ft) 3.79	(fmsl) 3636.16
4"	3070.3	39	34	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 12/13/2017	46.36 46.02	42.30 42.52	4.06 3.50	3635.53 3635.40
				03/29/2018	44.04	43.23	0.81	3635.40
				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 12/11/2019	46.54 47.89	43.16 43.02	3.38 4.87	3634.78 3634.68
				03/23/2020	48.00	43.05	4.95	3634.63
				06/24/2020	45.95	44.06	1.89	3634.13
				09/11/2020	49.10	46.60	2.50	3631.49
				12/03/2020	48.80	44.51	4.29	3633.28
				03/24/2021	48.91	44.21	4.70	3633.51
				06/22/2021	47.45	45.63	1.82	3632.57
				09/21/2021 12/15/2021	50.38 51.26	44.60 45.19	5.78 6.07	3632.95 3632.31
				03/22/2022	50.70	45.19	5.70	3632.56
				06/21/2022	48.62	46.11	2.51	3631.98
				09/26/2022	52.14	45.88	6.26	3631.59
				12/27/2022	49.44	46.08	3.36	3631.87
ЛW-2	3679.47	38	53	03/09/2016	43.11	42.75	0.36	3636.66
4"				06/08/2016	43.60	42.84	0.76	3636.50
				09/21/2016 12/07/2016	43.58 43.49	43.12 43.48	0.46 0.01	3636.27 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 01/16/2019	43.83 44.80	43.82 43.85	0.01 0.95	3635.65 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 09/10/2020	45.08 45.73	45.01 45.57	0.07 0.16	3634.45 3633.87
				12/03/2020	46.72	45.80	0.10	3633.52
				03/24/2021	46.74	45.63	1.11	3633.66
				06/22/2021	48.23	46.38	1.85	3632.78
				09/21/2021	48.22	46.34	1.88	3632.82
				12/15/2021	49.21	46.56	2.65	3632.47
				03/22/2022	49.80	47.60	2.20	3631.51
				06/21/2022 09/26/2022	48.75 47.90	47.05 47.60	1.70 0.30	3632.14 3631.82
				12/27/2022	47.90	47.00	0.30	3632.16
/W-3	3679.81	39	54	03/09/2016	45.47	43.32	2.15	3636.14
4"				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 09/18/2017	47.03 46.21	43.46	3.57	3635.76 3635.54
				12/13/2017	46.21 45.35	43.89 44.25	2.32 1.10	3635.54 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 45.21	44.95 44.79	0.18	3634.83
				09/20/2019 12/11/2019	45.21	44.79	0.42 1.90	3634.95 3634.62
				03/23/2020	46.25	45.08	1.17	3634.54
				06/24/2020	OB	-	-	-
				09/10/2020	51.50	45.30	6.20	3633.49
				12/03/2020	48.28	46.22	2.06	3633.25
				03/24/2021	50.32	45.72	4.60	3633.33
				06/22/2021	52.02	46.29	5.73	3632.57
				09/21/2021	46.81	46.79	0.02	3633.02
				12/15/2021	52.30	46.58	5.72	3632.29 3632.54
				03/22/2022 06/21/2022	49.65 50.45	46.80 47.37	2.85 3.08	3632.54 3631.93
				09/26/2022	50.45	47.46	4.79	3631.93
	1	1	ĺ	12/27/2022	51.99	47.40	4.80	3631.83

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-4	3679.64	39	54	03/09/2016	45.58	43.88	1.70	3635.48
4"				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 46.95	43.31 43.44	3.75 3.51	3635.71 3635.62
				12/13/2017 03/29/2018	48.05	44.58	3.47	3634.49
				06/19/2018	48.05	43.65	4.40	3635.26
				09/18/2018	43.89	43.88	0.01	3635.76
				01/16/2019	46.95	43.85	3.10	3635.28
				03/19/2019	44.74	43.75	0.99	3635.73
				06/26/2019	47.37	44.10	3.27	3635.00
				09/20/2019	46.80	44.05	2.75	3635.14
				12/11/2019	48.44	44.13	4.31	3634.80
				03/23/2020	47.30	44.34	2.96	3634.81
				06/24/2020	47.73	44.96	2.77	3634.22
				09/10/2020	50.50	45.05	5.45	3633.69
				12/03/2020	50.15	45.46	4.69	3633.41
				03/24/2021	50.56	45.28	5.28	3633.49
				06/22/2021	50.95	46.14	4.81	3632.71
				09/21/2021	48.95	46.10	2.85	3633.07
				12/15/2021	52.01	46.27	5.74	3632.42
				03/22/2022 06/21/2022	51.12 52.04	46.10 46.65	5.02 5.39	3632.71 3632.10
				09/26/2022	52.76	46.97	5.79	3631.71
				12/27/2022	52.17	46.79	5.38	3631.71
ЛW-5	3679.26	40	55	03/09/2016	46.00	43.20	2.80	3635.60
4"				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 03/23/2020	49.20 49.55	44.31 44.33	4.89 5.22	3634.14 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	ОВ	-	-	-
				03/24/2021	OB	-	-	-
				06/22/2021	OB	-	-	-
				09/21/2021	OB	-	-	-
				09/30/2021	51.10	46.00	5.10	3632.42
				12/15/2021	52.00	46.44	5.56	3631.90
				03/22/2022	51.50	46.30	5.20	3632.10
				06/21/2022	51.12	47.00	4.12 5.75	3631.58
				09/26/2022	52.90 52.28	47.15 47.01	5.75	3631.16
/IW-6	3680.63	40	55	03/09/2016	45.49	44.17	1.32	3636.24
4"	0000.00	-10	33	06/08/2016	47.45	43.80	3.65	3636.23
				09/21/2016	47.18	44.15	3.03	3635.98
			1	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
			1	12/13/2017	45.80	44.95	0.85	3635.54
			1	03/29/2018	45.75	45.28	0.47	3635.27
			1	06/19/2018	47.85	44.99	2.86	3635.17
			1	09/18/2018	47.61	45.01	2.60	3635.19
			1	01/16/2019	47.65	45.00	2.65	3635.19
			1	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 45.20	3.04	3634.88
				12/11/2019 03/23/2020	48.35 46.77	45.20 45.77	3.15 1.00	3634.91 3634.69
				06/24/2020	47.03	46.31	0.72	3634.09
				09/11/2020	47.03	44.30	3.65	3635.73
			1	12/03/2020	51.18	46.53	4.65	3633.33
			1	03/24/2021	50.87	46.47	4.40	3633.43
			1	06/22/2021	52.10	47.21	4.40	3632.61
			1	09/21/2021	48.36	47.48	0.88	3633.00
				12/15/2021	52.20	47.49	4.71	3632.36
				03/22/2022	51.90	47.21	4.69	3632.65
			1	06/21/2022	49.05	48.53	0.52	3632.01
			1	09/26/2022	51.40	48.54	2.86	3631.62
		1	1	12/27/2022	49.07	48.69	0.38	3631.88

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

	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-7	3679.85	38	53	03/09/2016	42.67	-	-	3637.18
2"				06/08/2016	42.71	-	-	3637.14
				09/21/2016	42.88 43.10	-	-	3636.97 3636.75
				12/07/2016 03/22/2017	43.10	-	-	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 43.73	-	-	3636.28
				06/19/2018 09/18/2018	43.78	-	-	3636.12 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 44.19	-	-	3635.76
				12/11/2019 03/23/2020	44.19	-	-	3635.66 3635.60
				06/24/2020	44.91	-	-	3634.94
				09/10/2020	45.50	-	-	3634.35
				12/03/2020	45.91	-	-	3633.94
				03/23/2021 06/21/2021	45.67 46.65	-	-	3634.18 3633.20
				09/21/2021	46.08	-	-	3633.77
				12/15/2021	46.90	-	-	3632.95
				03/22/2022	46.51	-	-	3633.34
				06/21/2022	47.27	-	-	3632.58
				09/26/2022 12/27/2022	47.63 47.23	-	-	3632.22
MW-8	3679.07	35	50	03/09/2016	43.74	42.65	1.09	3632.62 3636.24
2"	23.0.01		"	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 43.43	1.01	3635.92 3635.62
				05/24/2017 09/18/2017	43.58 43.59	43.46	0.15 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 03/19/2019	44.25 44.37	43.85 43.91	0.40 0.46	3635.15 3635.08
				06/26/2019	44.65	44.06	0.40	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 09/10/2020	45.65 46.05	44.80 45.33	0.85 0.72	3634.13 3633.62
				12/03/2020	46.52	45.68	0.84	3633.25
				03/24/2021	46.36	45.61	0.75	3633.34
				06/22/2021	47.11	46.30	0.81	3632.64
				09/21/2021	46.40	46.08	0.32	3632.94
				12/15/2021 03/22/2022	47.41 46.51	46.59 46.50	0.82 0.01	3632.34 3632.57
				06/21/2022	47.60	47.06	0.54	3631.92
				09/26/2022	47.89	47.39	0.50	3631.60
				12/27/2022	47.20	47.19	0.01	3631.88
MW-9	3678.76	37	52	03/09/2016	45.26	43.00	2.26	3635.39
2"				06/08/2016 09/21/2016	45.72 46.00	42.92 43.17	2.80 2.83	3635.38 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 03/29/2018	44.39 44.67	44.04 44.20	0.35 0.47	3634.66 3634.48
				06/19/2018	45.43	44.20	1.23	3634.46
				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 09/20/2019	46.26 45.76	44.32 44.38	1.94 1.38	3634.12 3634.15
				12/11/2019	45.70	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 03/24/2021	45.80 45.90	45.68 45.68	0.12	3633.06
				06/22/2021	45.90 NG	45.68	0.22	3633.04
				09/21/2021	DR	-	-	-
				12/15/2021	DR	-	-	-
				03/22/2022	DR	-	-	-
				06/21/2022	DR	-	-	-
				09/26/2022	DR	-	-	-
				12/27/2022	DR	-	-	-

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

	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-10	3678.36	37	52	03/09/2016	45.35	43.10	2.25	3634.89
2"				06/08/2016 09/21/2016	44.52 45.02	43.25 43.47	1.27 1.55	3634.90 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 12/13/2017	44.33 44.42	44.06 44.18	0.27 0.24	3634.26 3634.14
				03/29/2018	44.69	44.42	0.24	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 06/26/2019	45.53 46.33	44.43 44.48	1.10 1.85	3633.75 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 47.25	45.20 45.55	1.34 1.70	3632.94 3632.53
				12/03/2020	47.52	45.87	1.65	3632.22
				03/24/2021	47.56	45.88	1.68	3632.20
				06/22/2021	48.36	46.36	2.00	3631.67
				09/21/2021 12/15/2021	48.03 48.75	46.34 46.66	1.69 2.09	3631.74 3631.36
			1	03/22/2022	47.11	46.81	0.30	3631.5
				06/21/2022	48.40	47.20	1.20	3630.96
				09/26/2022	48.97	47.50	1.47	3630.62
MW-11	3678.03	36	51	12/27/2022 03/09/2016	48.49 43.29	47.44 43.26	1.05 0.03	3630.75 3634.77
4"	3070.03	30	31	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 09/18/2017	43.80 43.99	43.72 43.94	0.08	3634.30 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 01/16/2019	44.45 44.50	44.44 44.37	0.01	3633.59 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 03/23/2020	45.93 45.30	44.64 44.80	1.29 0.50	3633.18 3633.15
				06/24/2020	45.32	45.10	0.22	3632.89
				09/11/2020	46.66	46.50	0.16	3631.50
				12/03/2020	46.02	45.88	0.14	3632.13
				03/24/2021	46.25	45.90	0.35	3632.07
				06/22/2021 09/21/2021	46.51 46.76	46.46 46.74	0.05 0.02	3631.56 3631.29
				12/15/2021	46.76	46.72	0.04	3631.30
				03/22/2022	47.11	47.10	0.01	3630.93
				06/21/2022	47.15	47.09	0.06	3630.93
				09/26/2022 12/27/2022	47.65 47.46	47.51 47.38	0.14 0.08	3630.50 3630.64
MW-12	3679.63	36	51	03/09/2016	45.68	43.58	2.10	3635.70
4"				06/08/2016	47.40	43.20	4.20	3635.74
			1	09/21/2016	46.85	43.70	3.15	3635.41
			1	12/07/2016 03/22/2017	45.55 47.70	44.56 43.48	0.99 4.22	3634.91 3635.45
				05/24/2017	46.80	43.46	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 46.80	44.83	0.87	3634.66
				06/19/2018 09/18/2018	46.80 44.87	44.59 44.86	2.21 0.01	3634.68 3634.77
				01/16/2019	47.90	44.35	3.55	3634.69
				03/19/2019	46.96	44.65	2.31	3634.60
			1	06/26/2019	46.17	45.00	1.17	3634.44
			1	09/20/2019 12/11/2019	46.59 49.40	44.76 44.65	1.83 4.75	3634.57 3634.20
			1	03/23/2020	45.80	44.85	0.95	3634.20
			1	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
			i	03/24/2021	50.79	45.92	4.87	3632.91
				06/22/2021	<u> </u>			
				06/22/2021	49.91 50.41	47.23 47.65	2.68	3631.96 3631.52
				06/22/2021 09/21/2021 12/15/2021	50.41 50.26	47.65 46.90	2.76 3.36	3631.52 3632.18
				09/21/2021 12/15/2021 03/22/2022	50.41 50.26 50.70	47.65 46.90 46.60	2.76 3.36 4.10	3631.52 3632.18 3632.35
				09/21/2021 12/15/2021	50.41 50.26	47.65 46.90	2.76 3.36	3631.52 3632.18

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-13	3681.42	36.3	51.3	03/09/2016	44.45	-	-	3636.97
2"				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 44.90	-	-	3636.61
				05/24/2017 09/18/2017	45.05		-	3636.52 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 47.30	-	-	3634.77 3634.12
				12/03/2020	47.62	-	-	3633.80
				03/23/2021	47.43			3633.99
				06/22/2021	48.48	_	-	3632.94
				09/21/2021	47.79	-	-	3633.63
				12/15/2021	48.70	-	-	3632.72
				03/22/2022	48.23			3633.19
				06/21/2022	48.92	-	-	3632.50
				09/26/2022	49.37	-	-	3632.05
				12/27/2022	48.93	-	-	3632.49
MW-14	3679	36	51	03/09/2016	44.65	43.15	1.50	3635.60
4"				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 03/22/2017	44.33	43.99	0.34	3634.95
				05/24/2017	47.10 45.45	42.95 43.76	4.15 1.69	3635.37 3634.96
				09/18/2017	44.99	43.70	1.18	3635.00
				12/13/2017	44.58	44.05	0.53	3634.86
				03/29/2018	44.63	44.33	0.30	3634.62
				06/19/2018	45.25	44.26	0.99	3634.58
				09/18/2018	44.83	44.44	0.39	3634.50
				01/16/2019	46.30	44.10	2.20	3634.54
				03/19/2019	48.10	43.83	4.27	3634.47
				06/26/2019	45.08	44.60	0.48	3634.32
				09/20/2019	46.77	44.31	2.46	3634.28
				12/11/2019	48.44	44.20	4.24	3634.10
				03/23/2020	47.50	44.44	3.06	3634.06
				06/24/2020	46.42	45.20	1.22	3633.60
				09/10/2020 12/03/2020	46.40 46.69	45.83 46.14	0.57 0.55	3633.08 3632.77
				03/24/2021	48.93	45.66	3.27	3632.77
				06/22/2021	48.93	46.37	2.56	3632.21
				09/21/2021	49.81	46.01	3.80	3632.36
				12/15/2021	49.03	46.82	2.21	3631.82
				03/22/2022	48.30	46.39	1.91	3632.29
				06/21/2022	50.45	46.97	3.48	3631.46
				09/26/2022	50.45	47.26	3.19	3631.21
				12/27/2022	50.80	47.13	3.67	3631.26
MW-15	3674.92	34	49	03/09/2016	40.82	39.72	1.10	3635.02
4"				06/08/2016	42.91	39.24	3.67	3635.07
				09/21/2016 12/07/2016	41.58 41.06	39.84	1.74	3634.79
				03/22/2017	41.06	40.53 39.55	0.53 3.15	3634.30 3634.85
				05/24/2017	42.70	39.55	2.75	3634.65
				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 12/11/2019	44.34 43.98	40.59 40.80	3.75 3.18	3633.71 3633.60
				03/23/2020	44.85	40.68	4.17	3633.55
				06/24/2020	43.57	41.40	2.17	3633.16
				09/11/2020	43.05	42.05	1.00	3632.70
				12/03/2020	42.81	42.50	0.31	3632.37
				12/06/2020	42.85	42.43	0.42	3632.42
				03/24/2021	45.31	41.94	3.37	3632.42
				06/22/2021	43.73	42.95	0.78	3631.84
				09/21/2021	44.96	43.40	1.56	3631.26
				12/15/2021	45.33	43.04	2.29	3631.50
				03/22/2022	44.70	42.90	1.80	3631.72
				06/21/2022	46.27	43.25	3.02	3631.17
				09/26/2022	46.90	43.62	3.28	3630.76

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

	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-16	3676.86	33	48	03/09/2016	43.81	40.61	3.20	3635.72
4"				06/08/2016	43.60	40.70	2.90	3635.68
				09/21/2016 12/07/2016	44.10 44.20	40.89 41.31	3.21 2.89	3635.44 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 06/19/2018	42.18 42.28	42.08 42.11	0.10 0.17	3634.76 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 09/20/2019	42.57 42.63	42.36 42.42	0.21 0.21	3634.47 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 03/23/2021	44.03 43.84	43.91 43.77	0.12 0.07	3632.93 3633.08
				06/22/2021	44.66	44.64	0.02	3632.22
				09/21/2021	45.15	45.13	0.02	3631.73
1				12/15/2021	44.96	44.88	0.08	3631.97
				03/22/2022	44.60 45.16	44.59 45.15	0.01 0.01	3632.27 3631.71
				06/21/2022	45.16	45.15	0.01	3631.71
				12/27/2022	45.43	45.36	0.07	3631.49
MW-17	3679.01	36	51	03/09/2016	46.20	43.18	3.02	3635.33
4"				06/08/2016	48.02	42.83	5.19	3635.32 3635.00
				09/21/2016 12/07/2016	48.51 45.56	43.12 44.14	5.39 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 03/29/2018	45.65 45.55	44.10 44.54	1.55 1.01	3634.65 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 09/20/2019	44.79 46.89	44.70 44.43	0.09 2.46	3634.30 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 12/03/2020	46.60 47.00	46.00 46.37	0.60 0.63	3632.91 3632.54
				03/24/2021	50.13	45.68	4.45	3632.60
				06/22/2021	47.10	46.31	0.79	3632.57
				09/21/2021	50.50	47.16	3.34	3631.30
				12/15/2021	49.95	46.60	3.35	3631.86
				03/22/2022 06/21/2022	49.60 49.95	46.50 47.00	3.10 2.95	3632.00 3631.52
,				09/26/2022	49.95	47.33	2.62	3631.25
				12/27/2022	49.95	47.14	2.81	3631.41
MW-18	3675.68	30	45	03/09/2016	39.79	-	-	3635.89
2"				06/08/2016 09/21/2016	39.78 40.00	-	-	3635.90 3635.68
				12/07/2016	40.00	-	-	3635.37
1				03/22/2017	41.13			3634.55
				05/24/2017	40.21	-	-	3635.47
				09/18/2017	40.39	-	-	3635.29
				12/13/2017 03/29/2018	40.50 40.75		-	3635.18 3634.93
				06/19/2018	40.73	-	-	3634.80
				09/18/2018	NL	-	-	-
1				03/19/2019	40.91	-	-	3634.77
1				06/27/2019	41.07	-	-	3634.61
1				09/20/2019 12/11/2019	41.15 41.28	-	-	3634.53 3634.40
				03/23/2020	41.34	-	-	3634.40
				06/24/2020	41.76	-	-	3633.92
				09/11/2020	42.27		-	3633.41
				12/03/2020	42.59	-	-	3633.09
				03/23/2021	42.53	-	-	3633.15 3632.43
				06/22/2021				
				06/22/2021 09/21/2021	43.25 42.96	-	-	3632.72
				09/21/2021 12/15/2021	42.96 43.30		-	3632.72 3632.38
				09/21/2021 12/15/2021 03/22/2022	42.96 43.30 45.30		-	3632.72 3632.38 3630.38
				09/21/2021 12/15/2021	42.96 43.30		-	3632.72 3632.38

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-19	3674.96	31	46	03/09/2016	40.30	39.70	0.60	3635.16
2"				06/08/2016	40.78	39.60	1.18	3635.17
				09/21/2016	40.15	40.08	0.07	3634.87
				12/07/2016	40.52	40.48	0.04	3634.47
				03/22/2017	40.70	40.00	0.70	3634.84
				05/24/2017	40.45	40.20	0.25	3634.72
				09/18/2017	40.40	-	-	3634.56
				12/13/2017	40.52	-	-	3634.44
				03/29/2018	40.78	-	-	3634.18
				06/19/2018	40.73	-	-	3634.23
				09/18/2018	40.88	-	-	3634.08
				01/16/2019	41.77	-	-	3633.19
				03/19/2019	40.88	-	-	3634.08
				06/27/2019	41.15	41.03	0.12	3633.91
				09/20/2019	41.21	41.11	0.10	3633.83
				12/11/2019	41.39	41.20	0.19	3633.73
				03/23/2020	41.32	41.25	0.07	3633.70
				06/24/2020	41.96	41.60	0.36	3633.30
				09/10/2020	42.40	42.03	0.37	3632.87
				12/03/2020	42.93	42.30	0.63	3632.56
				12/06/2020	42.80	42.30	0.50	3632.58
				03/24/2021	42.44	42.40	0.04	3632.55
			ĺ	06/28/2021	43.05	43.04	0.01	3631.92
			ĺ	09/21/2021	42.96	-	-	3632.00
			ĺ	12/15/2021	43.25	-	-	3631.71
			ĺ	03/22/2022	43.18	-	-	3631.78
				06/21/2022	43.59	-	-	3631.37
				09/26/2022	44.00	-	-	3630.96
				12/27/2022	43.87	-	-	3631.09
MW-20	3674.38	31	46	03/09/2016	40.82	39.72	1.10	3634.48
2"				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	42.02	41.45	0.65	3632.82
				12/03/2020	45.05	44.72	0.03	3629.61
						44.72	0.55	3029.01
				03/23/2021	DR 44.05	44.04	0.01	3630.34
				06/28/2021		44.04	0.01	3030.34
				09/21/2021	DR	-	-	
				12/15/2021	DR	-	-	-
			ĺ	03/22/2022	DR	-	-	-
			ĺ	06/21/2022	DR			
				09/26/2022	44.02	44.01	0.01	3630.37
NAVA / 04	2074.00	00		12/27/2022	43.77	43.76	0.01	3630.62
MW-21	3674.38	23	53	03/09/2016	40.21	-	-	3634.17
2"				06/08/2016	40.15	-	-	3634.23
			l	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
			ĺ	03/29/2018	41.21	-	-	3633.17
			ĺ	06/19/2018	41.20	-	-	3633.18
			ĺ	09/18/2018	43.34	-	-	3631.04
			l	01/16/2019	41.30	-	-	3633.08
			l	03/19/2019	41.40	-	-	3632.98
			l	06/27/2019	41.53	-	-	3632.85
			l	09/20/2019	41.83	-	-	3632.55
			l	12/11/2019	41.76	-	-	3632.62
			l	03/23/2020	41.82	-	-	3632.56
			ĺ	06/24/2020	42.09			3632.29
			ĺ	09/11/2020	42.44	-	-	3631.94
			ĺ	12/03/2020	42.65	-	-	3631.73
			l	03/23/2021	42.78	-	-	3631.60
			l	06/22/2021	43.24	-	-	3631.14
			l	09/21/2021	43.26	_	-	3631.12
			l	12/15/2021	43.47	_	-	3630.91
			l	03/22/2022	43.54	_	-	3630.84
				06/21/2022	43.87	-	-	3630.51
		l	ĺ					
				09/26/2022	44.23	-	-	3630.15

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

	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater																																																
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation																																																
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)																																																
MW-22	3674.07	20	50	03/09/2016	40.10	-	-	3633.97																																																
2"				06/08/2016	39.95	-	-	3634.12																																																
				09/21/2016	40.20	-	-	3633.87																																																
				12/07/2016	40.55	-	-	3633.52																																																
				03/22/2017 05/24/2017	40.37 40.43	-	-	3633.70 3633.64																																																
				09/18/2017	40.43			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 06/27/2019	41.18 41.32	-	-	3632.89 3632.75																																																
				09/20/2019	41.41			3632.66																																																
				12/11/2019	41.52	-	-	3632.55																																																
				03/23/2020	41.60	-	-	3632.47																																																
				06/24/2020	41.83	-	-	3632.24																																																
				09/11/2020	42.40		-	3631.67																																																
				12/03/2020	42.39	-	-	3631.68																																																
				03/23/2021	42.53	-	-	3631.54																																																
				06/22/2021	42.97	-	-	3631.10																																																
				12/15/2021	43.03 43.20	-	-	3631.04 3630.87																																																
				03/22/2022	43.31	-	-	3630.76																																																
				06/21/2022	43.60	-	-	3630.47																																																
				09/26/2022	43.96	-	-	3630.11																																																
				12/27/2022	43.97	-	-	3630.10																																																
MW-23	3672.39	29	49	03/09/2016	39.80	-	-	3632.59																																																
2"				06/08/2016	39.77	-	-	3632.62																																																
				09/21/2016	40.02	-	-	3632.37																																																
				12/07/2016 03/22/2017	40.18 41.28	-	-	3632.21 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 12/10/2019	41.30 41.45	-		3631.09 3630.94																																																
				03/23/2020	41.61	_	-	3630.78																																																
				06/24/2020	41.70	-	-	3630.69																																																
				09/11/2020	42.30	-	-	3630.09																																																
				12/03/2020	42.09	-	-	3630.30																																																
				03/23/2021	42.38	-	-	3630.01																																																
				06/21/2021	42.67	-	-	3629.72																																																
				09/21/2021	42.83	-	-	3629.56																																																
				12/15/2021 03/22/2022	42.90 43.04	-		3629.49 3629.35																																																
				06/21/2022	43.20		-	3629.19																																																
				09/26/2022	43.59	-	-	3628.80																																																
			<u> </u>	12/27/2022	43.68	-		3628.71																																																
MW-24	3672.79	30	50	03/09/2016	39.66	-	-	3633.13																																																
2"				06/08/2016	39.64	-	-	3633.15																																																
				09/21/2016	39.89	-	-	3632.90																																																
				12/07/2016 03/22/2017	40.06	-	-	3632.73 3632.77																																																
				03/22/2017	40.02 40.07	-	-	3632.77																																																
				09/18/2017	40.28			3632.72																																																
				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 41.09	-	-	3631.79 3631.70																																																
				12/10/2019	41.09	-		3631.70																																																
				03/23/2020	41.30	-	-	3631.49																																																
				06/24/2020	41.47	-	-	3631.32																																																
				09/11/2020	41.75	-	-	3631.04																																																
				12/03/2020	41.79	-	-	3631.00																																																
				03/23/2021	42.12	-	-	3630.67																																																
				06/22/2021	42.38	-	-	3630.41																																																
				09/21/2021	42.62	-	-	3630.17																																																
	1		I	12/15/2021	42.64 42.80	-	-	3630.15 3629.99																																																
			-													((3n/4 44
																																									03/22/2022															
				03/22/2022 06/21/2022 09/26/2022	42.98 43.40		-	3629.81 3629.39																																																

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-25	3676.83	37	57	03/09/2016	42.55	42.06	0.49	3634.69
4"				06/08/2016	NL 40.04	-	-	-
				09/21/2016	42.91	42.33	0.58	3634.40
				12/07/2016 03/22/2017	42.80 42.38	-	-	3634.03 3634.45
				05/24/2017	42.60	-	-	3634.43
				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 12/03/2020	44.45 44.71	44.70	0.01	3632.38 3632.13
				03/24/2021	44.79		0.01	3632.04
				06/22/2021	45.26	-	-	3631.57
				09/21/2021	45.26	-	-	3631.57
				12/15/2021	45.57	-	-	3631.26
				03/22/2022	45.61	-	-	3631.22
				06/21/2022	45.95	-	-	3630.88
				09/26/2022	46.33	-	-	3630.50
				12/27/2022	46.23	-	-	3630.60
MW-26	3677.17	36.5	56.5	03/09/2016	43.46	41.88	1.58	3635.03
4"				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 43.50	42.77	0.35 1.35	3634.34 3634.80
				03/22/2017 05/24/2017	43.30	42.15 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 09/11/2020	44.62 44.85	43.90 44.40	0.72 0.45	3633.15
				12/03/2020	45.35	44.40	0.43	3632.70 3632.40
				03/24/2021	45.28	44.03	1.01	3632.73
				06/22/2021	48.74	44.70	4.04	3631.80
				09/21/2021	48.85	44.61	4.24	3631.86
				12/15/2021	49.30	44.95	4.35	3631.50
				03/22/2022	49.00	44.91	4.09	3631.59
				06/21/2022	49.80	45.34	4.46	3631.09
				09/26/2022	46.79	46.32	0.47	3630.77
				12/27/2022	46.55	46.21	0.34	3630.90
MW-27	3674.98	34.5	54.5	03/09/2016	41.91	39.41	2.50	3635.16
4"				06/08/2016	43.25	39.10	4.15	3635.20
				09/21/2016 12/07/2016	42.95 41.89	39.53 40.34	3.42 1.55	3634.89 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 09/20/2019	40.65 44.11	40.62 40.57	0.03 3.54	3634.36 3633.83
				12/11/2019	44.11	40.57	3.54	3633.83
				03/23/2020	44.85	40.75	4.20	3633.64
				06/24/2020	46.88	41.00	5.88	3633.01
				09/11/2020	47.00	41.37	5.63	3632.68
				12/03/2020	46.30	41.81	4.49	3632.43
				12/06/2020	46.87	41.70	5.17	3632.43
				03/24/2021	47.06	41.62	5.44	3632.46
				06/22/2021	44.45	42.73	1.72	3631.97
				09/21/2021	48.10	42.36	5.74	3631.67
				12/15/2021	47.41	42.51	4.90	3631.66
				03/22/2022	47.30	42.39	4.91	3631.78
				06/21/2022 09/26/2022	45.10 47.77	43.41 43.35	1.69 4.42	3631.29 3630.90

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-28	3678.86	40	60	03/09/2016	43.43	-	-	3635.43
2"				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 09/18/2017	43.88	-	-	3634.98 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 12/03/2020	46.00 46.46	-	-	3632.86 3632.40
				03/23/2021	46.33		-	3632.53
				06/21/2021	47.02	-	-	3631.84
				09/21/2021	46.78	_	_	3632.08
				12/15/2021	47.33	_	_	3631.53
				03/22/2022	47.18	-	-	3631.68
				06/21/2022	47.78	-	-	3631.08
				09/26/2022	48.12	-	-	3630.74
				12/27/2022	47.86	-	-	3631.00
MW-29	3674.37	40	60	03/09/2016	39.49	-	-	3634.88
4"				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 03/29/2018	40.60 40.64	40.35	0.25	3633.98 3633.73
				06/19/2018	41.15	40.56	0.59	3633.71
				09/18/2018	41.70	40.60	1.10	3633.59
				01/16/2019	40.90	40.67	0.23	3633.66
				03/19/2019	41.17	40.62	0.55	3633.66
				06/27/2019	43.40	40.63	2.77	3633.28
				09/20/2019	41.42	40.83	0.59	3633.44
				12/11/2019	OB	-	-	-
				03/23/2020	41.62	41.02	0.60	3633.25
				06/24/2020	41.94	41.34	0.60	3632.93
				09/11/2020	42.35	41.85	0.50	3632.44
				12/03/2020	42.70	42.05	0.65	3632.21
				12/06/2020	42.44	42.03	0.41	3632.27
				03/24/2021	42.36 42.94	42.14 42.62	0.22 0.32	3632.19
				06/22/2021	42.99	42.66	0.32	3631.70 3631.66
				12/15/2021	43.47	42.00	0.57	3631.38
				03/22/2022	43.20	42.89	0.31	3631.43
				06/21/2022	43.75	43.28	0.47	3631.43
				09/26/2022	44.06	43.68	0.38	3630.63
		<u></u>	<u> </u>	12/27/2022	43.70	43.60	0.10	3630.75
MW-30	3675.39	40	60	03/09/2016	39.96	39.95	0.01	3635.44
4"				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 03/29/2018	41.23 40.10	40.59 39.96	0.64 0.14	3634.69 3635.41
				06/19/2018	41.30	40.90	0.14	3634.42
				09/18/2018	41.04	41.03	0.40	3634.36
				01/16/2019	41.00	40.80	0.20	3634.56
				03/19/2019	42.46	40.76	1.70	3634.35
				06/27/2019	41.33	41.20	0.13	3634.17
				09/20/2019	41.82	41.21	0.61	3634.08
				12/11/2019	41.60	41.40	0.20	3633.96
				03/23/2020	41.64	41.43	0.21	3633.93
				06/24/2020	41.88	41.86	0.02	3633.53
				09/11/2020	42.40	42.33	0.07	3633.05
				12/03/2020	44.03	43.91	0.12	3631.46
				12/06/2020	42.64	42.62	0.02	3632.77
				03/24/2021	42.82	42.58	0.24	3632.77
				06/22/2021	43.25	43.20	0.05	3632.18
				09/21/2021	43.20	43.08	0.12	3632.29
				12/15/2021	43.58	43.48	0.10	3631.89
				03/22/2022	43.40	43.39	0.01	3632.00
				06/21/2022	43.85 44.21	43.84 44.20	0.01	3631.55
	1		İ	09/26/2022 12/27/2022	44.21	44.20	0.01	3631.19 3631.34

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

	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-31	3674.36	40	60	03/09/2016	39.60	-	-	3634.76
2"				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 06/24/2020	41.15 41.43	-	-	3633.21
						-	-	3632.93
				09/10/2020 12/03/2020	41.86 42.11	-	-	3632.50 3632.25
				03/23/2021	42.11			3632.23
				06/22/2021	42.70			3631.66
				09/21/2021	42.65	-	-	3631.71
				12/15/2021	43.00			3631.36
					03/22/2022	42.95		
				06/21/2022	43.31			3631.05
				09/26/2022	43.69	_	-	3630.67
				12/27/2022	43.63	_	_	3630.73
MW-32	3672.48	40	60	03/09/2016	39.62	-	_	3632.86
2"				06/08/2016	39.63	-	_	3632.85
_				09/21/2016	39.85	_	_	3632.63
				12/07/2016	40.04	-	_	3632.44
				03/22/2017	40.00	-	_	3632.48
				05/24/2017	40.06	-	-	3632.42
				09/18/2017	40.26	-	-	3632.22
				12/13/2017	40.38	-	-	3632.10
				03/29/2018	40.55	-	-	3631.93
				06/19/2018	40.59	-	-	3631.89
				09/18/2018	41.73	-	-	3630.75
				01/16/2019	40.91	-	-	3631.57
				03/19/2019	40.88	-	-	3631.60
				06/27/2019	41.00	-	-	3631.48
				09/20/2019	41.09	-	-	3631.39
				12/10/2019	41.23	-	-	3631.25
				03/23/2020	41.30	-	-	3631.18
				06/24/2020	41.48	-	-	3631.00
				09/11/2020	41.75	-	-	3630.73
				12/03/2020	41.68	-	-	3630.80
				03/23/2021	42.12	-	-	3630.36
				06/22/2021	42.25	-	-	3630.23
				09/21/2021	42.59	-	-	3629.89
				12/15/2021	42.51	-	-	3629.97
				03/22/2022	42.74	-	-	3629.74
				06/21/2022	42.87	-	-	3629.61
			1	09/26/2022	43.35	-	-	3629.13
				12/27/2022	43.42	-	-	3629.06

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

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

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)
	03/09/2016	0.010 0.000400 J	0.750 <0.000238	0.750 <0.000238	0.620 <0.000243	<u> </u>
VIVV-1	06/08/2016	<0.000504	<0.000230	<0.000238	<0.000243	
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	_
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
W-8 W-13	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
	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 09/19/2018	0.00337 <0.000408	<0.000367 <0.000367	0.00138 J <0.000657	<0.000630 <0.000630	0.00475 <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	<0.00036
	12/11/2019	<0.000408	< 0.000367	<0.000657	<0.000630	<0.00036
	03/25/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.00027
	06/24/2020	<0.000408	< 0.000367	< 0.000657	<0.000630	<0.00036
	09/10/2020	<0.000408	< 0.000367	<0.000657	<0.000630	<0.00036
	12/03/2020	0.00135 J	0.00111 J	0.000760 J	0.0008700 J	0.004090
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.000553 J B	<0.00200	0.000699 J	<0.00400	0.00125 J
	09/21/2021	<0.00200 U F2 F1	<0.00200 U	<0.00200 U	<0.00400 U	<0.00200
	12/16/2021	0.00147 J B	<0.00200	<0.00200	<0.00400	0.00147
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.00065
	06/21/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.00065
	09/27/2022	0.00195 J B	<0.000367	<0.000657	<0.000642	0.00195
1414/0	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.00065
	12/20/2017	0.130	0.0133	0.0904	0.203	0.437
VIVV-13	03/09/2016	<0.000223 <0.000504	<0.000238	<0.000238	<0.000243	-
	06/08/2016 09/21/2016	0.000504 J	<0.000621 <0.000621	<0.000763 <0.000763	<0.000256 <0.000256	
	12/07/2016	<0.000408	<0.00100	<0.000703	<0.000230	
	03/22/2017	<0.000408	< 0.000367	<0.000657	<0.000630	<0.00036
	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	< 0.00036
	03/29/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.00036
	06/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.00036
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	< 0.00036
	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 <0.000408	<0.000367 <0.000367	<0.000657	<0.00063 <0.00063	0.00176 <0.00036
	09/23/2019 12/11/2019	<0.000408	<0.000367	<0.000657 <0.000657	<0.000630	<0.00036
	03/25/2020	0.0148	<0.000512	0.00830	0.00460	0.0277
	09/10/2020	<0.000408	< 0.000367	<0.000657	<0.000630	<0.00036
	12/03/2020	0.000730 J	0.00107 J	0.000740 J	0.001530 J	0.004070
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	0.00723	<0.00200	0.00609	0.00130 J	0.0146
	06/23/2022	0.00405 B	<0.000367	<0.000657 *1	<0.000642 *1	0.00405
ИW-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 12/07/2016	<0.000504	<0.000621	<0.000763 <0.000657	<0.000256 <0.000642	
	03/22/2017	<0.000408 <0.000408	<0.00100 <0.000367	<0.000657	<0.000630	<0.00036
	05/24/2017	<0.000408	<0.000307	<0.000657	<0.000642	<0.00030
	09/19/2017	0.0335	<0.00100	0.00463	0.00209	0.0402
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.00036
	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	<0.00036
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.00036
	03/25/2020	0.00590	<0.000512	0.00470	0.00490	0.0155
	06/25/2020	0.00854	0.00193 J	0.0678	0.114	0.192
	09/11/2020	0.0112	<0.000367	0.00741	0.00137 J	0.0200
	12/03/2020	0.00124 J	0.000700 J	0.000870 J	0.0009200 J	0.003730
	03/26/2021 06/22/2021	<0.00200 0.00266 B	<0.00200 <0.00200	<0.00200	<0.00400 <0.00400	<0.00200 0.00336 J
		LLULIZNO B	. <0.00700	0.000696 J	SU.UU4UU	ひしいひろうり よ
	09/21/2021	<0.00200 B	<0.00200	<0.00200	<0.00400	<0.00200

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

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-19	09/19/2017	0.283	0.286	0.429 D	0.585	1.58
	12/19/2017	0.324	1.03 D	0.662 D	0.983	3.00
	03/29/2018	0.0389	0.186	0.176	0.385	0.786
	06/19/2018	0.0258	0.159	0.149	0.222	0.555
	09/19/2018	0.0897	0.256	0.756 D	1.16	2.26
	12/19/2018 03/19/2019	0.0106 0.00387	0.00570 0.00208	0.177 0.29	0.261 0.281	0.454 0.577
	09/21/2021	0.00367	<0.00200	0.29	0.00768	0.0792
	03/23/2022	0.0110	<0.00200	0.0880	0.00708	0.0792
	06/22/2022	0.0266 *1	0.00962 *1	0.298	0.160	0.494
MW-21	03/09/2016	1.75	<0.00476	0.294	0.0383	-
	06/08/2016	1.74	<0.0248	0.280	0.0467	_
	09/21/2016	3.38	<0.0329	0.364	0.158	-
	12/07/2016	5.32	<0.0250	0.485	0.344	-
	03/22/2017	0.371	< 0.000367	0.0460	0.0124	0.429
	05/24/2017	11.6	<0.0500	1.31	<0.0321	12.9
	09/19/2017	8.34 D	<0.00100	1.28 D	0.234	9.85
	12/19/2017	1.96 D	< 0.000367	0.0338	0.00700	2.00
	03/29/2018	0.358	0.000850 J	0.0653	0.0109	0.435
	06/19/2018	1.60 D	<0.000367	0.258	0.0508	1.91
	09/19/2018	1.18 D	0.000650 J	0.141	0.0170	1.34
	12/19/2018	0.374	<0.000512	0.0639	0.0140	0.452
	03/20/2019	1.22	<0.0005	0.185	0.0335	1.44
	06/27/2019	1.67	<0.00184	0.517	0.0190	2.21
	09/23/2019	7.46	<0.000367	0.117	0.0102	7.59
	12/11/2019	1.45	<0.000367	0.126	0.0430	1.62
	03/25/2020	0.0699	<0.000512	0.00670	0.00170	0.0783
	06/24/2020	2.38 D	<0.000367	0.399 0.777	0.0589	2.84
	09/11/2020 12/03/2020	4.55 11.9 D	<0.00734 0.00236	1.92 D	0.0926 0.2209	5.42 14.04
	03/25/2021	12.9	0.0685	1.07	0.258	15.6
	06/22/2021	0.0383 B	0.000559 J	0.390	0.0631 B	0.492 B
	09/21/2021	5.17	<0.100 U	1.52	0.3839	7.07
	12/15/2021	4.06	<0.00200	1.39	0.115	5.57
	03/23/2022	1.91 J	0.574 J	< 0.657	0.730 J	3.21 J
	06/22/2022	0.119 *1 F2	0.000367 *1 F	0.121 F2	0.00544 F2	0.245
	09/28/2022	<0.000408	< 0.000367	0.00102 J	<0.000642	0.00102 J
	12/29/2022	0.613	<0.000367	0.211	0.0274	0.851
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	- 0.404
	03/22/2017	0.373 1.23	<0.000367	0.0477	<0.000630	0.421
	05/24/2017 09/19/2017	0.928 D	<0.00500 <0.00100	0.113 0.289	<0.00321 <0.000630	1.34 1.22
	12/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00392	0.000750 J	<0.000657	<0.000630	0.00467
	06/19/2018	0.00404	0.00121 J	0.000860 J	<0.000630	0.00611
	09/19/2018	0.000910 J	< 0.000367	0.000760 J	0.00175 J	0.00342
	12/19/2018	<0.000480	< 0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	0.00136	< 0.0005	0.00323	<0.0005	0.00459
	06/27/2019	0.00447	< 0.000367	0.0225	< 0.00063	0.0270
	09/23/2019	0.0471	< 0.000367	0.0507	< 0.00063	0.0978
	12/11/2019	0.0154	0.000500	0.0264	<0.000630	0.0423
	03/25/2020	0.0592	<0.000512	0.0134	0.00450	0.0771
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.108	0.000820 J	0.0317	0.00410	0.145
	12/03/2020	0.0302	0.00125 J	0.0166	0.0007500 J	0.04880
	03/26/2021	0.0545	<0.00200	0.0305	<0.00400	0.0857
	06/22/2021	0.00114 J B	<0.00200	0.00172 J	<0.00400	0.00286 J E
	09/21/2021	<0.00200	<0.00200	0.00963	<0.00400	0.00963
	12/16/2021 03/23/2022	0.000754 J B	<0.00200	<0.00200	<0.00400	0.000754
		<0.000408 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.000657 <0.000657
				- NO OR (100)	SU UUUUU4/	~u.uuuu5/
	06/22/2022 09/28/2022	<0.000408	< 0.000367	<0.000657	<0.000642	< 0.000657

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

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
	•	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-23	03/09/2016	0.000500 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016 12/07/2016	<0.000504 <0.000408	<0.000621 <0.00100	<0.000763 <0.000657	<0.000256 <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 06/19/2018	0.00647 0.00521	0.000630 J 0.00104 J	<0.000657 0.00209	<0.000630 0.00143 J	0.00710 0.00977
	09/19/2018	<0.000408	<0.000367	<0.00203	<0.000630	<0.00377
	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 12/11/2019	<0.000408 0.00435	<0.000367 <0.000367	<0.000657 0.00235	<0.00063 0.000810	<0.000367 0.00751
	03/25/2020	0.0109	<0.000507	0.00255	0.000810	0.00731
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.0161	< 0.000367	0.0103	0.00130 J	0.0277
	12/03/2020	0.00131 J	0.000870 J	0.000840 J	0.0007800 J	0.003800
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021 09/21/2021	0.000928 J B <0.00200	<0.00200 <0.00200	0.000660 J <0.00200	<0.00400 <0.00400	0.00159 J B <0.00200
	12/16/2021	0.000813 J B	<0.00200	<0.00200	<0.00400	0.000813 J
	03/23/2022	<0.000408	< 0.000367	<0.000657	<0.000642	<0.000657
	06/22/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.000657
	09/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
MW-24	12/28/2022 03/09/2016	<0.000408 0.000300 J	<0.000367 <0.000238	<0.000657 <0.000238	<0.000642 <0.000243	<0.000657
10100-24	06/08/2016	<0.000504	<0.000236	<0.000238	<0.000243	
	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 09/19/2017	<0.000408 0.000930 J	<0.00100 <0.00100	<0.000657 <0.000657	<0.000642 <0.000630	<0.000408 0.000930 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	< 0.0003367
	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 03/20/2019	<0.000480 <0.0005	<0.000512 <0.0005	<0.000616 <0.0005	<0.000270 <0.0005	<0.000270 <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 06/24/2020	0.0164 <0.000408	<0.000512	0.00690	0.00220	0.0255 <0.000367
	09/11/2020	0.0122	<0.000367 <0.000367	<0.000657 0.00856	<0.000630 0.00176 J	0.000367
	12/03/2020	0.000860 J	0.000890 J	<0.002000	<0.002000	0.001750 J
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.0195 B	<0.00200	0.000929 J	<0.00400	0.0204 B
	09/21/2021 12/16/2021	<0.00200 <0.00200	<0.00200 <0.00200	<0.00200 <0.00200	<0.00400 <0.00400	<0.00200 <0.00400
	03/23/2022	<0.000408	<0.00260	<0.000657	<0.000400	<0.000657
	06/22/2022	<0.000408 *1	<0.000367 *1	0.00241	0.001070 J	0.00348 J
	09/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
MW-25	12/29/2022	0.00140 J	<0.000367	0.000889 J	<0.000642	0.00229 J 9.97
10100-25	09/19/2017 12/20/2017	7.91 4.95 D	0.204 0.0112	0.852 0.243	1.00 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 03/20/2019	3.64 2.45	<0.0051 0.000820	0.330 0.397	0.320 0.253	4.29 3.10
	06/26/2019	4.67	<0.0367	0.397 0.776	0.253	5.96
	03/25/2020	0.434	<0.00256	0.104	0.0830	0.621
	06/25/2020	0.137	0.00105 J	0.0324	0.0464	0.217
	09/11/2020	0.146	<0.000367	0.0165	0.00572	0.168
	03/25/2021 06/22/2021	0.170 0.00431 B	<0.00200 0.000407 J	0.0403 0.0478	0.0288 0.0141 B	0.239 0.0666 B
	09/21/2021	0.00431 B 0.833	0.000407 J	0.0478	0.0141 B	1.07
	12/15/2021	2.02	<0.00200	0.0732	0.0317	2.12
						4.00
	03/23/2022	1.26	< 0.000367	0.0676	0.0501	1.38
	03/23/2022 06/23/2022 09/27/2022	1.26 0.268 F2 F1 B 0.392 B		0.0676 0.0117 F2 F1 * 0.00666	0.0501 .00653 F2 F1 ' 0.00321 J B	0.286 0.402

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

MW-28	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
MW-28		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	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	< 0.00036
	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
	09/19/2018	<0.000408	< 0.000367	<0.000657	<0.000630	<0.00036
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.00027
	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	<0.00036
	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
	06/24/2020	<0.000408	<0.000312	<0.000657	<0.0003003	<0.00036
	09/10/2020	<0.000408 0.00103 J	<0.000367	<0.000657 0.00100 J	0.00112 J	0.00112
	12/03/2020		0.00160 J		0.001370 J	0.005000
	03/25/2021	0.000755 J	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/16/2021	0.00323 B	<0.00200	0.00164 J	<0.00400	0.00487
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.00065
	06/21/2022	<0.000408 *1	<0.000367 *1	<0.000657	<0.000642	<0.00065
	09/27/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.00065
	12/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.00065
ЛW-29	03/29/2018	1.12 D	0.212	0.134	0.219	1.68
ЛW-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	<0.00040
	09/19/2017	0.0448	0.00429	0.00745	0.00791	0.0645
	12/19/2017	<0.000408	< 0.000367	< 0.000657	<0.000630	<0.00036
	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
	09/19/2018	<0.000408	< 0.000367	< 0.000657	< 0.000630	<0.00036
	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
		0.00107				
					< 0.00063	<0.00036
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063 <0.000630	
	09/23/2019 12/11/2019	<0.000408 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000630	<0.00036
	09/23/2019 12/11/2019 03/25/2020	<0.000408 <0.000408 0.0352	<0.000367 <0.000367 <0.000512	<0.000657 <0.000657 0.00940	<0.000630 0.00310	<0.00036 0.0477
	09/23/2019 12/11/2019 03/25/2020 06/25/2020	<0.000408 <0.000408 0.0352 0.0154	<0.000367 <0.000367 <0.000512 <0.000367	<0.000657 <0.000657 0.00940 0.00766	<0.000630 0.00310 <0.000630	<0.00036 0.0477 0.0231
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020	<0.000408 <0.000408 0.0352 0.0154 <0.000408	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367	<0.000657 <0.000657 0.00940 0.00766 <0.000657	<0.000630 0.00310 <0.000630 <0.000630	<0.00036 0.0477 0.0231 <0.00036
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 0.000990 J	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J	<0.000630 0.00310 <0.000630 <0.000630 0.001130 J	<0.00036 0.0477 0.0231 <0.00036 0.005720
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 0.000990 J <0.00200	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200	<0.000630 0.00310 <0.000630 <0.000630 0.001130 J <0.00400	<0.00036 0.0477 0.0231 <0.00036 0.005720 <0.00200
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021 06/22/2021	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J 0.00146 J B	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 <0.000390 J <0.00200 <0.00200	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200 <0.00200	<0.000630 0.00310 <0.000630 <0.000630 0.001130 J <0.00400 <0.00400	<0.00036 0.0477 0.0231 <0.00036 0.005720 <0.00200 0.00146 J
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021 06/22/2021	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J 0.00146 J B <0.00200	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 <0.000367 0.000990 J <0.00200 <0.00200 <0.00200	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200 <0.00200 0.000816 J	<0.000630 0.00310 <0.000630 <0.000630 0.001130 J <0.00400 <0.00400 <0.00400	<0.00036 0.0477 0.0231 <0.00036 0.005720 <0.00200 0.00146 J <0.00200
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021 06/22/2021 09/21/2021 12/16/2021	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J 0.00146 J B <0.00200 <0.00200	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 <0.000990 J <0.00200 <0.00200 <0.00200 <0.00200	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200 <0.00200 0.00816 J <0.00200	<0.000630 0.00310 <0.000630 <0.000630 <0.001130 J <0.00400 <0.00400 <0.00400 <0.00400	<0.00036 0.0477 0.0231 <0.00036 0.005720 <0.00200 0.00146 J <0.00200 <0.00400
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021 06/22/2021 09/21/2021 12/16/2021 03/23/2022	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J 0.00146 J B <0.00200 <0.00200 <0.00200	<pre><0.000367 <0.000367 <0.000512 <0.000367 <0.000367 <0.000990 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200</pre>	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200 <0.00200 0.00816 J <0.00200 <0.00200	<0.000630 0.00310 <0.000630 <0.000630 <0.001130 J <0.00400 <0.00400 <0.00400 <0.00400 <0.00400	<0.00036 0.0477 0.0231 <0.00036 0.005720 <0.00200 <0.00146 J <0.00200 <0.00400 <0.00065
	09/23/2019 12/11/2019 03/25/2020 06/25/2020 09/10/2020 12/03/2020 03/25/2021 06/22/2021 09/21/2021 12/16/2021	<0.000408 <0.000408 0.0352 0.0154 <0.000408 0.00244 0.000624 J 0.00146 J B <0.00200 <0.00200	<0.000367 <0.000367 <0.000512 <0.000367 <0.000367 <0.000990 J <0.00200 <0.00200 <0.00200 <0.00200	<0.000657 <0.000657 0.00940 0.00766 <0.000657 0.00116 J <0.00200 <0.00200 0.00816 J <0.00200	<0.000630 0.00310 <0.000630 <0.000630 <0.001130 J <0.00400 <0.00400 <0.00400 <0.00400	

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

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-32	03/09/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	< 0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	< 0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00533	< 0.000367	< 0.000657	<0.000630	0.00533
	05/24/2017	0.00440	<0.00100	<0.000657	<0.000642	0.00440
	09/19/2017	0.0100	<0.00100	0.00133 J	0.000860 J	0.0122
	12/19/2017	<0.000408	< 0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/19/2018	0.000640 J	<0.000367	<0.000657	<0.000630	0.000640 J
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/27/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00538	<0.000367	0.00262	0.000900	0.00890
	03/25/2020	0.0158	<0.000512	0.00560	0.00200	0.0234
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/11/2020	0.0125	<0.000367	0.00917	0.00164 J	0.0233
	12/03/2020	0.000590 J	0.000750 J	0.000850 J	0.0009700 J	0.003160
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/21/2021	0.00319	0.000431 J	0.00349	0.00130 J	0.00866 *+
	12/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/23/2022	0.00115 J	0.000388 J	<0.000657	<0.000642	0.00154 J
	06/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/28/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/29/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
MW-33	03/09/2016	0.000700 J	<0.000238	<0.000238	<0.000243	-
	06/08/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/07/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/22/2017	0.00619	<0.000367	<0.000657	<0.000630	0.00619
	05/24/2017	0.00267	<0.00100	<0.000657	<0.000642	0.00267
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/29/2018	0.00466	0.000880 J	<0.000657	<0.000630	0.00554
	06/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/19/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	0.00519	<0.0005	0.000570	<0.0005	0.00576
	06/26/2019	0.000470	0.000400	<0.000657	<0.00063	0.000870
	09/23/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/11/2019	0.00160	0.000380	0.00105	<0.000630	0.00303
	03/25/2020	<0.000480	<0.000512	<0.000616	0.000600 J	0.000600 J
	06/24/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/03/2020	0.000470 J	0.00123 J	0.00114 J	0.0007700 J	0.003610
	03/25/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/22/2021	0.000636 J B	0.000647 J	0.000870 J	0.000764 J B	0.00292 J E
	09/21/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/16/2021	0.00197 J B	<0.00200	0.000815 J	<0.00400	0.00279 J
	03/23/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	00/04/0000	40 000 400 44				
	06/21/2022 09/27/2022	<0.000408 *1 <0.000408	<0.000367 *1 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.000657 <0.000657

Notes:

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

Analyte concentration exceeds the standard for:

NMWQCC Groundwater Standards

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

Sample ID	Date Sampled	Acenaphthene (E	Acenaphthylene (E	Anthracene (E	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene 🚊	Chrysene (mg/L)	Dibenz(a,h)anthracene g	Dibenzofuran (mg/L)	Fluoranthene (E	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyren 🗒	Naphthalene (Eg/L)	Phenanthrene (E	Pyrene (mg/L)
NMWQCC -	Groundwater	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	0.0007	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	(IIIg/L)	0.03	(IIIg/L)	(1119/12)
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		< 0.0000618	< 0.0000770	< 0.000123	<0.000126	< 0.000169	< 0.0000823		< 0.000170	< 0.000109	<0.0000989		< 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	<0.000078	<0.000088	< 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	<0.000087	< 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				<0.0000324											< 0.0000542			
				<0.0000076								0.0000630		< 0.0000055	< 0.0000049		<0.0000055	
	03/20/2019	0.0000462	< 0.0000073	< 0.0000076	< 0.0000063	< 0.0000095	<0.0000091	<0.0000080	<0.000078	<0.000088	< 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		<0.0000080				*********		< 0.0000055	< 0.0000049	0.000128 J	< 0.0000055	< 0.0000092
			<0.0000073									< 0.0000053		<0.000055		<0.000045		< 0.0000092
	03/25/2020		<0.0000908			< 0.0000615		<0.000122	<0.000125			-	<0.000170	<0.000109	<0.0000985	<0.000105	<0.0000917	<0.000141
MW-31	03/09/2016		<0.0000632		<0.0000784									<0.0000856		<0.0000713	<0.0000561	<0.0000451
				<0.0000076										<0.000055	<0.0000049	0.0000973 J		
				<0.0000076		<0.0000095						<0.0000053			<0.0000049			
	03/25/2020		<0.0000860			<0.0000583	<0.0000726	<0.000116	<0.000119	<0.000159	<0.0000776		<0.000161	<0.000103	<0.0000933	0.000153 J	<0.0000869	
MW-32	03/09/2016			<0.0000412									<0.0000818		<0.0000688		<0.0000662	
				<0.0000076								<0.0000053			<0.0000049			
MM/ 22	03/20/2019		<0.0000074			<0.0000096		<0.0000080				<0.0000054		<0.0000055	<0.000005	0.0000671		
MW-33				<0.0000319 <0.0000076								<0.0000604 <0.0000053		<0.0000784	<0.0000534 <0.0000049		<0.0000513 <0.0000055	
1															<0.0000049	*********		
	03/20/2019			<0.0000076							<0.0000049		<0.0000090		<0.0000049		<0.0000055	
Notos:	03/23/2020	~0.000103	~0.0000009	~0.0000094	~0.000139	~0.0000369	~0.0000 <i>1</i> 34	~U.UUU117	~0.000 IZ0	~0.000101	~0.0000764		~0.000102	~0.000 IU4	~0.0000342	~0.000100	~0.0000076	~0.000 T34

Notes:

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

BRL - Below Reporting Limits

Analyte concentration exceeds the standard for:

NMWQCC Groundwater Standards

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

Sample ID	Date Sampled	Methane	Ferrous Iron	Manganese	ည် Phenolphthalein Alkalinity	Bicarbonate Alkalinity	Hydroxide Alkalinity	Carbonate Alkalinity	Alkalinity	Sulfate	Nitrate as N
		(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-6	03/31/2008	-		BRL	-	-	-	-	-	66.7	3.50
MW-19	12/15/2021	4,180	<0.0500 HF	0.123	<4.00	575	<4.00	<4.00	575	17.8	0.193
	06/22/2022	486	<0.0280 HF	0.0887 B	<4.00	496	<4.00	<4.00	496	21.8	0.273
MW-21	06/22/2022	1,270	0.0300 J HF	0.0625 B	<4.00	364	<4.00	<4.00	364	43.0	0.210
	09/28/2022	627	0.0900	0.0691	<4.00	231	<4.00	<4.00	231	56.0	0.496
	12/29/2022	1,860	0.510	0.0611	<4.00	394	<4.00	<4.00	394	26.7	0.352
MW-23	06/20/2008	-	-	0.0430	-	198	BRL	BRL	198	158	3.70
	03/23/2022	1,500	<0.0280 HF	0.0478	<4.00	276	<4.00	<4.00	276	62.3	0.810
	06/22/2022	0.813 J	0.660	0.0232 B	<4.00	285	<4.00	<4.00	285	121	2.36
	09/29/2022	<0.453	0.470	0.00507	<4.00	268	<4.00	<4.00	268	121	1.95
	12/28/2022	< 0.453	0.160	0.00528	<4.00	295	<4.00	<4.00	295	109	1.65
MW-24	06/20/2008	-	-	0.0280	-	238	BRL	BRL	238	154	5.27
	12/16/2021	<5.00	<0.0500 HF	0.00746	<4.00	220	<4.00	<4.00	220	105	2.31
	03/23/2022	< 0.453	<0.0280 HF	0.00472	<4.00	215	<4.00	<4.00	215	125	2.35
	06/22/2022	0.979 J	0.0600	0.0130 B	<4.00	235	<4.00	<4.00	235	105	2.25
	09/29/2022	< 0.453	0.280	0.00509	<4.00	227	<4.00	<4.00	227	108	2.26
	12/29/2022	0.554 J	0.160	0.00545	<4.00	234	<4.00	<4.00	234	95.4	2.30
MW-25	12/15/2021	2,970	0.0300 J HF	0.0783	<4.00	350	<4.00	<4.00	350	49.3	0.754
	03/23/2022	<0.453	<0.0280 HF	0.0215	<4.00	256	<4.00	<4.00	256	105	2.56
	09/27/2022	753	0.520	0.121	<4.00	259	<4.00	<4.00	259	74.9	0.678
	12/29/2022	1,330	0.0500	0.0267	<4.00	293	<4.00	<4.00	293	66.0	0.342

Notes:

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



APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2132-1

Laboratory Sample Delivery Group: Lea County Client Project/Site: Hobbs Junction Mainline

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 4/6/2022 8:21:47 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project

·····LINKS ·······

results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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

Laboratory Job ID: 890-2132-1 SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE

Job ID: 890-2132-1

Project/Site: Hobbs Junction Mainline SDG: Lea County

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 U
 Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.

Indicates the analyte was analyzed for but not detected.

These commonly used abbreviations may or may not be present in this report.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary Abbreviation

PQL PRES

QC RER

RL

RPD

TEF TEQ

TNTC

Listed under the "D" column to designate that the result is reported on a dry weight basis Recent Recovery CFL Contains Free Liquid	
CFL Contains Free Liquid	
CFU Colony Forming Unit	
CNF Contains No Free Liquid	
DER Duplicate Error Ratio (normalized absolute difference)	
Dil Fac Dilution Factor	
DL Detection Limit (DoD/DOE)	
DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC Decision Level Concentration (Radiochemistry)	
EDL Estimated Detection Limit (Dioxin)	
LOD Limit of Detection (DoD/DOE)	
LOQ Limit of Quantitation (DoD/DOE)	
MCL EPA recommended "Maximum Contaminant Level"	
MDA Minimum Detectable Activity (Radiochemistry)	
MDC Minimum Detectable Concentration (Radiochemistry)	
MDL Method Detection Limit	
ML Minimum Level (Dioxin)	
MPN Most Probable Number	
MQL Method Quantitation Limit	
NC Not Calculated	
ND Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG Negative / Absent	
POS Positive / Present	

Eurofins Carlsbad

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive Quality Control _

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Case Narrative

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

Job ID: 890-2132-1 SDG: Lea County

Job ID: 890-2132-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2132-1

Receipt

The samples were received on 3/23/2022 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC VOA

Method RSK_175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-23 (890-2132-1). Elevated reporting limits (RLs) are provided.

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

HPLC/IC

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

Metals

Method 6020A: Due to the high concentration of Manganese the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-46514 and analytical batch 860-46667 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

General Chemistry

Method 3500_FE_D: The following samples were received outside of holding time: MW-23 (890-2132-1), MW-24 (890-2132-2) and MW-25 (890-2132-3).

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

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Client Sample Results

Client: Talon/LPE Job ID: 890-2132-1
Project/Site: Hobbs Junction Mainline SDG: Lea County

Client Sample ID: MW-23

Date Collected: 03/23/22 07:30 Date Received: 03/23/22 12:36

Sample Depth: N/A

t Sample ID: MW-23	Lab Sample ID: 890-2132-1
Collected: 03/23/22 07:30	Matrix: Water

Method: RSK-175 - Dissolved Gases (GC) Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 50.0 03/28/22 15:49 Methane 1500 4.53 ug/L 10 Qualifier Limits Surrogate %Recovery Prepared Analyzed Dil Fac Trifluoroethane 103 70 - 130 03/25/22 16:33 Trifluoroethane 93 70 - 130 03/28/22 15:49 10 Method: 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 0.810 0.100 0.0391 mg/L 03/24/22 14:48 Nitrate as N 0.500 0.109 mg/L 03/24/22 14:48 Sulfate 62.3 Method: 6020A - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit Prepared Dil Fac Analyzed 0.0478 0.00200 0.000199 mg/L 03/26/22 11:30 03/27/22 18:51 Manganese **General Chemistry** Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.00 4.00 03/25/22 19:39 **Alkalinity** 276 mg/L 4.00 03/25/22 19:39 **Bicarbonate Alkalinity as CaCO3** 276 4.00 mg/L Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L 03/25/22 19:39 Hydroxide Alkalinity <4.00 U 4.00 03/25/22 19:39 4.00 mg/L

Client Sample ID: MW-24 Lab Sample ID: 890-2132-2

0.0500

4.00

4.00 mg/L

0.0280 mg/L

<4.00 U

<0.0280 UHF

Date Collected: 03/23/22 08:15 Date Received: 03/23/22 12:36

Sample Depth: N/A

Phenolphthalein Alkalinity

Ferrous Iron

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/25/22 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	103		70 - 130					03/25/22 16:49	1
Method: 300.0 - Anions, Ion Chrom	atography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.35		0.100	0.0391	mg/L			03/24/22 15:48	1
Sulfate	125		5.00	1.09	mg/L			03/24/22 18:46	10
Method: 6020A - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00472		0.00200	0.000199	mg/L		03/26/22 11:30	03/27/22 18:54	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	215		4.00	4.00	mg/L			03/25/22 20:03	1
Bicarbonate Alkalinity as CaCO3	215		4.00	4.00	mg/L			03/25/22 20:03	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/25/22 20:03	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			03/25/22 20:03	

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03/25/22 19:39

03/24/22 11:28

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 890-2132-2

Lab Sample ID: 890-2132-3

Client Sample Results

Client: Talon/LPE Job ID: 890-2132-1
Project/Site: Hobbs Junction Mainline SDG: Lea County

Client Sample ID: MW-24

Date Collected: 03/23/22 08:15 Date Received: 03/23/22 12:36

Sample Depth: N/A

General Chemistry (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			03/25/22 20:03	1
Ferrous Iron	<0.0280	UHF	0.0500	0.0280	ma/l			03/24/22 11:28	1

Client Sample ID: MW-25

Date Collected: 03/23/22 10:10 Date Received: 03/23/22 12:36

Method: RSK-175 - Dissolved Gas	, ,					_	_		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Methane	<0.453	U	5.00	0.453	ug/L			03/25/22 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	103		70 - 130					03/25/22 17:06	1
Method: 300.0 - Anions, Ion Chro	matography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.56		0.100	0.0391	mg/L			03/24/22 16:23	1
Sulfate	105		5.00	1.09	mg/L			03/24/22 18:57	10
Method: 6020A - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0215		0.00200	0.000199	mg/L		03/26/22 11:30	03/27/22 18:58	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	256		4.00	4.00	mg/L			03/25/22 20:12	1
Bicarbonate Alkalinity as CaCO3	256		4.00	4.00	mg/L			03/25/22 20:12	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			03/25/22 20:12	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			03/25/22 20:12	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			03/25/22 20:12	1

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Surrogate Summary

Client: Talon/LPE Job ID: 890-2132-1
Project/Site: Hobbs Junction Mainline SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

		fluoroethan	
Lab Sample ID	Client Sample ID	(70-130)	
890-2132-1	MW-23	103	
890-2132-1	MW-23	93	
890-2132-2	MW-24	103	
890-2132-3	MW-25	103	
LCS 860-46373/7	Lab Control Sample	108	
LCS 860-46597/5	Lab Control Sample	104	
LCSD 860-46373/8	Lab Control Sample Dup	107	
LCSD 860-46597/6	Lab Control Sample Dup	105	
MB 860-46373/4	Method Blank	107	
MB 860-46597/4	Method Blank	104	

Trifluoroethane = Trifluoroethane

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Client Sample ID: Method Blank

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Job ID: 890-2132-1

Client: Talon/LPE Project/Site: Hobbs Junction Mainline SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-46373/4

Analysis Batch: 46373

Matrix: Water

MB MB

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Methane <0.453 U 5.00 0.453 ug/L 03/25/22 12:21

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Trifluoroethane 107 70 - 130 03/25/22 12:21

Lab Sample ID: LCS 860-46373/7 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46373

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Methane 19.9 21.39 108 70 - 130 ug/L

LCS LCS

%Recovery Surrogate Qualifier Limits Trifluoroethane 108 70 - 130

Lab Sample ID: LCSD 860-46373/8 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46373

LCSD LCSD RPD Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits **RPD** Limit Methane 19.9 20.97 ug/L 105 70 - 130 30

LCSD LCSD

Surrogate %Recovery Qualifier Limits

Trifluoroethane 107 70 - 130

Lab Sample ID: MB 860-46597/4

Matrix: Water

Analysis Batch: 46597

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Methane <0.453 U 5.00 03/28/22 12:46 0.453 ug/L

MB MB

Qualifier %Recovery Surrogate Limits Prepared Analyzed Dil Fac Trifluoroethane 104 70 - 130 03/28/22 12:46

Lab Sample ID: LCS 860-46597/5

Matrix: Water

Analysis Batch: 46597

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Methane 19.9 19.69 ug/L 99 70 - 130

LCS LCS

%Recovery Surrogate Qualifier Limits Trifluoroethane 104 70 - 130

QC Sample Results

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 860-46597/6 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46597

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methane	19.9	19.50		ug/L		98	70 - 130	1	30

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 Trifluoroethane 105

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-46210/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46210

MB MB

Analyte	Result Qua	lifier RL	MDL Un		Prepared	Analyzed	Dil Fac
Sulfate	<0.109 U	0.500	0.109 mg	/L		03/24/22 13:25	1

Lab Sample ID: LCS 860-46210/6 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46210

	Spike	LCS	LCS			%Rec
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits
Sulfate	10.0	9.616	mg/L	. –	96	90 - 110

Lab Sample ID: LCSD 860-46210/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46210

	Spike	LCSD	LCSD			%Rec		RPD	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit	
Sulfate	10.0	9.577	ma/L		96	90 - 110	0	20	

Lab Sample ID: LLCS 860-46210/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46210

		Spike	LLCS	LLCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfate		0.500	0.5519		mg/L		110	50 - 150	

Lab Sample ID: 890-2132-1 MS Client Sample ID: MW-23 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46210

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Sulfate	62.3		10.0	72 76	4	ma/l		105	90 110	 	-

Lab Sample ID: 890-2132-1 MSD

Matrix: Water

Analysis Batch: 46210											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfate	62.3		10.0	72.93	4	mg/L		106	90 - 110		20

Eurofins Carlsbad

Client Sample ID: MW-23

Prep Type: Total/NA

4/6/2022

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Prep Type: Total/NA

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-46211/3

Matrix: Water

Analysis Batch: 46211

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			03/24/22 13:25	1

Lab Sample ID: LCS 860-46211/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46211

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	10.0	9.479		mg/L		95	80 - 120	

Lab Sample ID: LCSD 860-46211/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46211

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N		10.0	9.491		mg/L		95	80 - 120	0	20

Lab Sample ID: LLCS 860-46211/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46211

	Бріке	LLCS	LLCS			%Rec	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Nitrate as N	0.100	0.1347	mg/L		135	50 - 150	

Lab Sample ID: 890-2132-1 MS Client Sample ID: MW-23 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46211

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	0.810		10.0	10 94		ma/l		101	80 120	

Lab Sample ID: 890-2132-1 MSD Client Sample ID: MW-23 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46211

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Nitrate as N	0.810		10.0	10.99		mg/L		102	80 - 120	0	15	

Lab Sample ID: 890-2132-2 MS Client Sample ID: MW-24

Matrix: Water

Analysis Batch: 46211

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits
Analyte Result Qualifier Added Result Qualifier of the D //fitte Elliffe

Lab Sample ID: 890-2132-2 MSD Client Sample ID: MW-24 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46211											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N	2.35		10.0	12.44		mg/L		101	80 - 120	0	15

Eurofins Carlsbad

Prep Type: Total/NA

QC Sample Results

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-46514/1-A

Matrix: Water

Matrix: Water

Analysis Batch: 46667

Analysis Batch: 46667

Lab Sample ID: LCS 860-46514/2-A

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

Prep Batch: 46514

Prep Batch: 46514

Prep Batch: 46514

MB MB

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Manganese <0.000199 U 0.00200 0.000199 mg/L 03/26/22 11:30 03/27/22 18:10

> Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 46514

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Manganese 0.100 0.09713 mg/L 97 80 - 120

Lab Sample ID: LCSD 860-46514/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Water Prep Type: Total/NA

Analysis Batch: 46667 Prep Batch: 46514 LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit

0.100 Manganese 0.09933 mg/L 80 - 120

Lab Sample ID: 820-3742-F-2-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Water Analysis Batch: 46667

Sample Sample MS MS %Rec Spike

Result Qualifier Result Qualifier Added Analyte Unit %Rec Limits

Manganese 2.21 Ε 0.100 2.293 E 4 75 - 125 mg/L

Lab Sample ID: 820-3742-F-2-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46667

Sample Sample Spike MSD MSD RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit

0.100 2.331 E 4 Manganese 2.21 E mg/L 125 75 - 125 20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-46499/3 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA Analysis Batch: 46499

MB MB

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 4.00 Alkalinity <4.00 U 4.00 mg/L 03/25/22 18:08 Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L 03/25/22 18:08 Carbonate Alkalinity as CaCO3 <4 00 LI 4.00 4.00 mg/L 03/25/22 18:08 Hydroxide Alkalinity <4.00 U 4.00 03/25/22 18:08 4.00 mg/L Phenolphthalein Alkalinity <4.00 U 4.00 03/25/22 18:08 4.00 mg/L

Lab Sample ID: LCS 860-46499/4 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 46499

Spike LCS LCS %Rec Added Result Qualifier %Rec Analyte Unit Limits

250 85 - 115 Alkalinity 256.5 103 mg/L

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-46499/5

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 46499

Matrix: Water

Spike LCSD LCSD %Rec RPD Result Qualifier Analyte Added %Rec Limits RPD Limit Unit D Alkalinity 250 259.6 mg/L 104 85 - 115 20

> Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 46499

Lab Sample ID: LLCS 860-46499/36

Spike LLCS LLCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Alkalinity 50.0 57.59 mg/L 115 50 - 150

Lab Sample ID: 880-12858-A-1 DU **Client Sample ID: Duplicate**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 46499

DU DU RPD Sample Sample Analyte Result Qualifier Result Qualifier Unit RPD Limit 666.8 Alkalinity 644 mg/L 3 20 Bicarbonate Alkalinity as CaCO3 644 666.8 mg/L 3 20 Carbonate Alkalinity as CaCO3 <4.00 U <4.00 U mg/L NC 20 Hydroxide Alkalinity <4.00 U <4 00 U mg/L NC 20 Phenolphthalein Alkalinity <4.00 U <4.00 U mg/L NC 20

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

Lab Sample ID: MB 860-47805/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 47805

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Ferrous Iron <0.0280 U 0.0500 0.0280 mg/L 03/24/22 11:28

MB MB

Lab Sample ID: LCS 860-47805/4 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 47805

LCS LCS Spike %Rec Analyte Added Qualifier %Rec Limits Result Unit Ferrous Iron 1.00 0.9500 mg/L 75 - 125

Lab Sample ID: LCSD 860-47805/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 47805

Spike LCSD LCSD RPN %Rec Analyte Added Qualifier Result Unit %Rec Limit Ferrous Iron 1.00 0.9500 95 75 - 125 mg/L

Lab Sample ID: 870-6543-A-2 DU Client Sample ID: Duplicate Prep Type: Total/NA

Matrix: Water

Analysis Batch: 47605									
	Sample	Sample	DU	DU				RPD	
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit	
Ferrous Iron	158		158.0		mg/L		 0	25	

QC Association Summary

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

GC VOA

Analysis Batch: 46373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	RSK-175	
890-2132-2	MW-24	Total/NA	Water	RSK-175	
890-2132-3	MW-25	Total/NA	Water	RSK-175	
MB 860-46373/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-46373/7	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-46373/8	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 46597

Lab Sample ID 890-2132-1	Client Sample ID MW-23	Prep Type Total/NA	Matrix Water	Method RSK-175	Prep Batch
MB 860-46597/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-46597/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-46597/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 46210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	300.0	<u> </u>
890-2132-2	MW-24	Total/NA	Water	300.0	
890-2132-3	MW-25	Total/NA	Water	300.0	
MB 860-46210/3	Method Blank	Total/NA	Water	300.0	
LCS 860-46210/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-46210/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-46210/5	Lab Control Sample	Total/NA	Water	300.0	
890-2132-1 MS	MW-23	Total/NA	Water	300.0	
890-2132-1 MSD	MW-23	Total/NA	Water	300.0	

Analysis Batch: 46211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	300.0	
890-2132-2	MW-24	Total/NA	Water	300.0	
890-2132-3	MW-25	Total/NA	Water	300.0	
MB 860-46211/3	Method Blank	Total/NA	Water	300.0	
LCS 860-46211/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-46211/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-46211/4	Lab Control Sample	Total/NA	Water	300.0	
890-2132-1 MS	MW-23	Total/NA	Water	300.0	
890-2132-1 MSD	MW-23	Total/NA	Water	300.0	
890-2132-2 MS	MW-24	Total/NA	Water	300.0	
890-2132-2 MSD	MW-24	Total/NA	Water	300.0	

Metals

Prep Batch: 46514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	3010A	
890-2132-2	MW-24	Total/NA	Water	3010A	
890-2132-3	MW-25	Total/NA	Water	3010A	
MB 860-46514/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-46514/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-46514/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

QC Association Summary

Client: Talon/LPE Job ID: 890-2132-1
Project/Site: Hobbs Junction Mainline SDG: Lea County

Metals (Continued)

Prep Batch: 46514 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-3742-F-2-B MS	Matrix Spike	Total/NA	Water	3010A	
820-3742-F-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 46667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	6020A	46514
890-2132-2	MW-24	Total/NA	Water	6020A	46514
890-2132-3	MW-25	Total/NA	Water	6020A	46514
MB 860-46514/1-A	Method Blank	Total/NA	Water	6020A	46514
LCS 860-46514/2-A	Lab Control Sample	Total/NA	Water	6020A	46514
LCSD 860-46514/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	46514
820-3742-F-2-B MS	Matrix Spike	Total/NA	Water	6020A	46514
820-3742-F-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6020A	46514

General Chemistry

Analysis Batch: 46499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	SM 2320B	
890-2132-2	MW-24	Total/NA	Water	SM 2320B	
890-2132-3	MW-25	Total/NA	Water	SM 2320B	
MB 860-46499/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-46499/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-46499/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 860-46499/36	Lab Control Sample	Total/NA	Water	SM 2320B	
880-12858-A-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 47805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2132-1	MW-23	Total/NA	Water	SM 3500 FE D	
890-2132-2	MW-24	Total/NA	Water	SM 3500 FE D	
890-2132-3	MW-25	Total/NA	Water	SM 3500 FE D	
MB 860-47805/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-47805/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-47805/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
870-6543-A-2 DU	Duplicate	Total/NA	Water	SM 3500 FE D	

Client: Talon/LPE Job ID: 890-2132-1

Project/Site: Hobbs Junction Mainline SDG: Lea County

Client Sample ID: MW-23 Lab Sample ID: 890-2132-1 Date Collected: 03/23/22 07:30 **Matrix: Water** Date Received: 03/23/22 12:36

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab RSK-175 46373 Total/NA Analysis 33 mL 33 mL 03/25/22 16:33 CZT XEN STF Total/NA Analysis **RSK-175** 10 33 mL 33 mL 46597 03/28/22 15:49 CZT XEN STF Total/NA 300.0 03/24/22 14:48 WP XEN STF Analysis 46210 1

Total/NA Analysis 300.0 46211 03/24/22 14:48 WP XEN STF Total/NA 3010A 50 mL MD XEN STF Prep 50 mL 46514 03/26/22 11:30 Total/NA Analysis 6020A 46667 03/27/22 18:51 SHZ XEN STF Total/NA SM 2320B 46499 03/25/22 19:39 TL XEN STF Analysis 1 Total/NA Analysis SM 3500 FE D 25 mL 25 mL 47805 03/24/22 11:28 XEN STF

Client Sample ID: MW-24 Lab Sample ID: 890-2132-2

Date Collected: 03/23/22 08:15 **Matrix: Water** Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	46373	03/25/22 16:49	CZT	XEN STF
Total/NA	Analysis	300.0		1			46211	03/24/22 15:48	WP	XEN STF
Total/NA	Analysis	300.0		10			46210	03/24/22 18:46	WP	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	46514	03/26/22 11:30	MD	XEN STF
Total/NA	Analysis	6020A		1			46667	03/27/22 18:54	SHZ	XEN STF
Total/NA	Analysis	SM 2320B		1			46499	03/25/22 20:03	TL	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	47805	03/24/22 11:28	ANP	XEN STF

Lab Sample ID: 890-2132-3 Client Sample ID: MW-25 Date Collected: 03/23/22 10:10

Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	46373	03/25/22 17:06	CZT	XEN STF
Total/NA	Analysis	300.0		1			46211	03/24/22 16:23	WP	XEN STF
Total/NA	Analysis	300.0		10			46210	03/24/22 18:57	WP	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	46514	03/26/22 11:30	MD	XEN STF
Total/NA	Analysis	6020A		1			46667	03/27/22 18:58	SHZ	XEN STF
Total/NA	Analysis	SM 2320B		1			46499	03/25/22 20:12	TL	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	47805	03/24/22 11:28	ANP	XEN STF

Laboratory References:

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

Eurofins Carlsbad

Matrix: Water

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Laboratory: Eurofins Houston

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

Authority	Pi	rogram	Identification Number	Expiration Date
Texas Texas	N	ELAP	T104704215-21-44 06-30-22	
The following analytes the agency does not of	• •	ut the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
CM COOCD		Water	Bicarbonate Alkalinity as CaCO)3
SM 2320B				
SM 2320B SM 2320B		Water	Carbonate Alkalinity as CaCO	
		Water Water	Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity	
SM 2320B			,	

Method Summary

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE Job ID: 890-2132-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	De
890-2132-1	MW-23	Water	03/23/22 07:30	03/23/22 12:36	N/A
890-2132-2	MW-24	Water	03/23/22 08:15	03/23/22 12:36	N/A
890-2132-3	MW-25	Water	03/23/22 10:10	03/23/22 12:36	N/A

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	2	Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240

Work Order No:

Xenco

Environment Testing

ect Manager: David	Adkins	Bill to: (if different)	Plains All American	Work Order Comments	Comments
	~	Company Name:	26	Program: UST/PST ☐ PRP☐ B	Brownfields ☐ RRC ☐ Superfund ☐
	Texas St.	Address:	Attn: Camille Bryant	₫.	
State ZIP: A/tesic	CI 888 WN. D	City, State ZIP:	SRS# 2003-00017	Reporting: Level II Level III PST/UST TRRP	PST/UST TRRP Level IV
	575-44) - 4835 Email:	dadkins be	talonipe.com	Deliverables: EDD A	ADaPT Other:
ect Name: Hobbs J	r c	Turn Around	ANALYSIS REQUEST	EST	Preservative Codes
er:	Rout	Rush Pres.			None: NO DI Water: H ₂ O
					Cool: Cool MeOH: Me
	R.B./D, W. / M. C.) TAT starts the	TAT starts the day received by	- -		HCL: HC HNO 3: HN
		_			H ₂ SO ₄ : H ₂ NaOH: Na
MPLE RECEIPT Te	Temp Blank: (Yes) No Wet Ice:	Yes No	me		H ₃ PO ₄ : HP
tact:	Yes No Thermometer ID:	11	ra.		NaHSO 4: NABIS
			890-2132 Chain of	in of Custody	Na ₂ S ₂ O ₃ : NaSO ₃
ple Custody Seals: Yes	Yes No N/A Temperature Reading:	(0:0)			Zn Acetate+NaOH: Zn
al Containers:	Corrected Temperature:	OT OO	VA		NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Sampled Sampled	Depth Grab/ # of Cont	M		Sample Comments
223	~	N/A 6	×		Email Analyticals
21 24		1 6	×		10:
. 1) \ /\o\:/\o	3	×		CIBRYANT @paclp. CC
					Malchcolo padjo. con
otal 200./ / 6010	מאכא	ILP / SPLP 6010 : 8RCRA Sk	TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	TI U	Hg: 1631 / 245.1 / 7470 / 7471
ature of this document and reling urofins Xenco will be liable only for the control of the contr	quishment of samples constitutes a valid purchase ord for the cost of samples and shall not assume any respo	or each sample submitted to l	: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions vice. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control when the control of 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 the cost of samples and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	s and conditions ond the control previously negotiated.	
Relinquished by: (Signature)	Received by: (Signature))	Date/Time Relinquished by: (Signature)	re) Received by: (Signature)	ıre) Date/Time
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Environment Testing

💸 eurofins

Chain of Custody Record

Phone; 575-988-3199 Fax; 575-988-3199

Carlsbad NM 88220

1089 N Canal St.

Eurofins Carlsbad

Temp. 2, 2 IR ID:HOU-223 .

Sooler Temperature(s) °C and Other Remarks

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Sompany

3/23/2022 10-58

Date/Time

FedEx

Received by: Received by: eceived by:

Date:

Company Company

Date/Time:

233

Empty Kit Relinquished by

linquished by:

FedEx

Method of Shipment

06/08/2021

Corrected Temp: 2.1

13 14

N None
O ANNAO2
P NAZO4S
Q NAZSO3
R NAZSZO3
S HZSC4
I TSP Dodecahydrate
U Acetone tote Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fasts/matrix being analyzed, the samples must be shipped back to the Eurofins Environment is other instructions will be provided. Any changes to excreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC. Special Instructions/Note: other (specify) MCAA PH 4-5 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) A HCL
B NaOH
C Zn Acetale
D Nitric Add
F NaHSO4
F NaHSO4
G Amchor
I LEBA
I LEBA
C EDTA
Preservation Code Page: Page 1 of 1 890-2132-1 COC No: 890-683.1 -1 Carrier Tracking No(s): Disposal By Lab State of Origin: New Mexico Analysis Requested Special Instructions/QC Requirements: × × SK_176 (MOD) Local Method × ozenagnaM (QOM) A0106\A0208 ccreditations Required (See note) essica.kramer@eurofinset.com Return To Client × × × not suched (C_BR_008 NELAP Texas × Lab PM: Kramer Jessica E-Mail: × × The form of the control of the contr Matrix Water Water Water Sample Type (C=comp, G=grab) Primary Deliverable Rank: 2 Mountain 10:10 Mountain 08:15 Mountain [AT Requested (days] Due Date Requested: 3/29/2022 Sample Date 3/23/22 3/23/22 3/23/22 Project #: 89000047 Phone: å. Client Information (Sub Contract Lab) Deliverable Requested: I II III, IV Other (specify) Client ID (Lab ID) irofins Environment Testing South Centr Possible Hazard Identification Hobbs Junction Mainline Sample Identification fVV-23 (890-2132-1) AW-24 (890-2132-2) AW-25 (890-2132-3) Shipping/Receiving 1145 Greenbriar Dr 281-240-4200(Tel) **Jnconfirmed** State, Zip: TX, 77477 Stafford

rquished by.

Custody Seal No

Custody Seals Intact: △ Yes △ No

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2132-1 SDG Number: Lea County

List Source: Eurofins Carlsbad Login Number: 2132

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2132-1 SDG Number: Lea County

Login Number: 2132 **List Source: Eurofins Houston** List Number: 2 List Creation: 03/24/22 12:05 PM

Creator: Palmar, Pedro

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2133-1

Laboratory Sample Delivery Group: Leas County NM

Client Project/Site: Hobbs Junction Mainline

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 4/4/2022 2:36:02 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

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Released to Imaging: 6/6/2023 4:01:08 PM

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

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

Client: Talon/LPE
Laboratory Job ID: 890-2133-1
Project/Site: Hobbs Junction Mainline

Laboratory Job ID: 890-2133-1
SDG: Leas County NM

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4.6

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Qualifiers

GC VOA Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
_OD	Limit of Detection (DoD/DOE)
_OQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC .	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

QC **Quality Control** Relative Error Ratio (Radiochemistry) RER

Presumptive

PQL

PRES

RL Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count TNTC

Case Narrative

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Job ID: 890-2133-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2133-1

Receipt

The samples were received on 3/23/2022 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-22605 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-25 (890-2133-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Eurofins Carlsbad 4/4/2022 Client: Talon/LPE

Job ID: 890-2133-1

SDG: Leas County NM

Client Sample ID: MW-23

Project/Site: Hobbs Junction Mainline

Date Collected: 03/23/22 07:30 Date Received: 03/23/22 12:36

Sample Depth: N/A

Lab Sample ID: 890-2133-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed 03/30/22 11:43 Benzene <0.000408 U 0.00200 0.000408 mg/L Toluene <0.000367 U 0.00200 0.000367 mg/L 03/30/22 11:43 Ethylbenzene 0.00200 0.000657 03/30/22 11:43 <0.000657 U mg/L <0.000629 0.00400 0.000629 03/30/22 11:43 m-Xylene & p-Xylene mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 03/30/22 11:43 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 03/30/22 11:43 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

4-Bromofluorobenzene (Surr) 105 70 - 130 03/30/22 11:43 70 - 130 03/30/22 11:43 1,4-Difluorobenzene (Surr) 99

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.000657 0.00400 0.000657 mg/L 03/30/22 17:52

Client Sample ID: MW-24 Lab Sample ID: 890-2133-2

Date Collected: 03/23/22 08:15 Date Received: 03/23/22 12:36

Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Benzene <0.000408 0.00200 0.000408 mg/L

03/30/22 12:10 Toluene <0.000367 U 0.00200 0.000367 mg/L 03/30/22 12:10 Ethylbenzene < 0.000657 0.00200 0.000657 mg/L 03/30/22 12:10 m-Xylene & p-Xylene 0.000629 03/30/22 12:10 < 0.000629 0.00400 mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 03/30/22 12:10 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 03/30/22 12:10 %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac

03/30/22 12:10 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 88 70 - 130 03/30/22 12:10

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX < 0.000657 U 0.00400 0.000657 mg/L 03/30/22 17:52

Client Sample ID: MW-28 Lab Sample ID: 890-2133-3

Date Collected: 03/23/22 08:45 Date Received: 03/23/22 12:36

Sample Depth: N/A

othod: 9024R - Volatila Organic Compounds (GC)

Method: 8021B - Volatile Organ	iic Compounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/31/22 12:52	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 12:52	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			03/31/22 12:52	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 12:52	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/31/22 12:52	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			03/31/22 12:52	1

Eurofins Carlsbad

Matrix: Water

Dil Fac

Analyzed

Matrix: Water

Lab Sample ID: 890-2133-3

Job ID: 890-2133-1

SDG: Leas County NM

Matrix: Water

Matrix: Water

Client Sample ID: MW-28

Project/Site: Hobbs Junction Mainline

Date Collected: 03/23/22 08:45 Date Received: 03/23/22 12:36

Sample Depth: N/A

Client: Talon/LPE

Surrogate	%Recovery	Qualifier Lii	mits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115	70	_ 130		03/31/22 12:52	1
1,4-Difluorobenzene (Surr)	83	70	₋ 130		03/31/22 12:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.000657	U	0.00400	0.000657	mg/L			03/30/22 17:52	1

Client Sample ID: MW-33 Lab Sample ID: 890-2133-4

Date Collected: 03/23/22 09:00 Date Received: 03/23/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/31/22 13:19	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 13:19	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			03/31/22 13:19	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 13:19	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/31/22 13:19	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/31/22 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			-		03/31/22 13:19	1

Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/30/22 17:52	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: Total BTEX - Total BTEX C	Calculation								
1,4-Diffuorobenzene (Surr)	92		70 - 130					03/31/22 13:19	7

Client Sample ID: MW-7 Lab Sample ID: 890-2133-5

Date Collected: 03/23/22 09:15 Date Received: 03/23/22 12:36

Sample Depth: N/A

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/31/22 07:35	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 07:35	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			03/31/22 07:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 07:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/31/22 07:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/31/22 07:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			-		03/31/22 07:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130					03/31/22 07:35	1
Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Carlsbad

03/30/22 17:52

0.00400

0.000657 mg/L

<0.000657 U

Matrix: Water

00/04/00 40.40

Client: Talon/LPE Job ID: 890-2133-1

Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Client Sample ID: MW-19 Lab Sample ID: 890-2133-6 Date Collected: 03/23/22 09:15 **Matrix: Water**

Date Received: 03/23/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0110		0.00200	0.000408	mg/L			03/31/22 08:00	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 08:00	1
Ethylbenzene	0.0880		0.00200	0.000657	mg/L			03/31/22 08:00	1
m-Xylene & p-Xylene	0.00490		0.00400	0.000629	mg/L			03/31/22 08:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/31/22 08:00	1
Xylenes, Total	0.00490		0.00400	0.000642	mg/L			03/31/22 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			-		03/31/22 08:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130					03/31/22 08:00	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed **Total BTEX** 0.104 0.00400 0.000657 mg/L 03/30/22 17:52

Client Sample ID: MW-25 Lab Sample ID: 890-2133-7 **Matrix: Water**

Date Collected: 03/23/22 10:10 Date Received: 03/23/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.26		0.200	0.0408	mg/L			03/31/22 16:30	100
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 08:26	1
Ethylbenzene	0.0676		0.00200	0.000657	mg/L			03/31/22 08:26	1
m-Xylene & p-Xylene	0.0487		0.00400	0.000629	mg/L			03/31/22 08:26	1
o-Xylene	0.00136	J	0.00200	0.000642	mg/L			03/31/22 08:26	1
Xylenes, Total	0.0501		0.00400	0.000642	mg/L			03/31/22 08:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130			-		03/31/22 08:26	1
1,4-Difluorobenzene (Surr)	196	S1+	70 - 130					03/31/22 08:26	1
Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.00400 Client Sample ID: MW-22 Lab Sample ID: 890-2133-8

0.000657 mg/L

1.38

Date Collected: 03/23/22 08:38 Date Received: 03/23/22 12:36

Sample Depth: N/A

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/31/22 13:46	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 13:46	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/31/22 13:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 13:46	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/31/22 13:46	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			03/31/22 13:46	1

Eurofins Carlsbad

Matrix: Water

03/30/22 17:52

Job ID: 890-2133-1

Client: Talon/LPE Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Client Sample ID: MW-22 Lab Sample ID: 890-2133-8

Date Collected: 03/23/22 08:38 **Matrix: Water** Date Received: 03/23/22 12:36 Sample Depth: N/A

Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 103 70 - 130 03/31/22 08:52 4-Bromofluorobenzene (Surr) 03/31/22 08:52 1,4-Difluorobenzene (Surr) 89 70 - 130

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 0.000657 mg/L 03/30/22 17:52

Client Sample ID: MW-21 Lab Sample ID: 890-2133-9 Date Collected: 03/23/22 09:00 **Matrix: Water**

Date Received: 03/23/22 12:36

Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 2.00 Benzene 0.408 mg/L 03/31/22 16:56 1000 1.91 Toluene 2.00 0.367 03/31/22 16:56 1000 0.574 mg/L <0.657 U 2.00 Ethylbenzene 0.657 mg/L 03/31/22 16:56 1000 0.730 J 4.00 0.629 mg/L 03/31/22 16:56 1000 m-Xylene & p-Xylene 2.00 03/31/22 16:56 1000 o-Xylene <0.642 U 0.642 mg/L **Xylenes, Total** 0.730 4.00 0.642 mg/L 03/31/22 16:56 1000 %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac

4-Bromofluorobenzene (Surr) 70 - 130 1000 110 03/31/22 16:56 1,4-Difluorobenzene (Surr) 82 1000 70 - 130 03/31/22 16:56

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier

RL **MDL** Unit Prepared Analyzed Dil Fac **Total BTEX** 3.21 4.00 0.657 mg/L 03/30/22 17:52

Client Sample ID: MW-32 Lab Sample ID: 890-2133-10 Date Collected: 03/23/22 09:26

Date Received: 03/23/22 12:36

Sample Depth: N/A

Total BTEX

Released to Imaging: 6/6/2023 4:01:08 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00115	J	0.00200	0.000408	mg/L			03/31/22 09:19	1
Toluene	0.000388	J	0.00200	0.000367	mg/L			03/31/22 09:19	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			03/31/22 09:19	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 09:19	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			03/31/22 09:19	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/31/22 09:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			-		03/31/22 09:19	1
1,4-Difluorobenzene (Surr)	95		70 - 130					03/31/22 09:19	1
Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.00400

mg/L

0.000657

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03/30/22 17:52

0.00154 J

Matrix: Water

Matrix: Water

Lab Sample ID: 890-2133-11

Client Sample Results

Client: Talon/LPE Job ID: 890-2133-1
Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Client Sample ID: MW-31

Date Collected: 03/23/22 09:49 Date Received: 03/23/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/31/22 09:46	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			03/31/22 09:46	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			03/31/22 09:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/31/22 09:46	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			03/31/22 09:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/31/22 09:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			-		03/31/22 09:46	1
1,4-Difluorobenzene (Surr)	93		70 - 130					03/31/22 09:46	1
- Method: Total BTEX - Total B1	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/30/22 17:52	1

2

3

6

9

1 0

12

13

14

Surrogate Summary

Client: Talon/LPE Job ID: 890-2133-1
Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12763-C-10 MS	Matrix Spike	103	106
880-12763-C-10 MSD	Matrix Spike Duplicate	102	100
880-12821-A-7 MS	Matrix Spike	108	102
880-12821-A-7 MSD	Matrix Spike Duplicate	99	100
890-2133-1	MW-23	105	99
890-2133-2	MW-24	104	88
890-2133-3	MW-28	115	83
890-2133-4	MW-33	106	92
890-2133-5	MW-7	101	87
890-2133-6	MW-19	120	93
890-2133-7	MW-25	119	196 S1+
890-2133-8	MW-22	103	89
890-2133-9	MW-21	110	82
890-2133-10	MW-32	102	95
890-2133-11	MW-31	104	93
LCS 880-22561/3	Lab Control Sample	98	104
LCS 880-22605/34	Lab Control Sample	107	101
LCSD 880-22561/4	Lab Control Sample Dup	97	106
LCSD 880-22605/35	Lab Control Sample Dup	102	99
MB 880-22509/5-A	Method Blank	69 S1-	90
MB 880-22561/8	Method Blank	53871	44 S1-
555 2250 110		S1+	1101
MB 880-22605/39	Method Blank	70	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22509/5-A

Analysis Batch: 22605

Matrix: Water

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

Prep Batch: 22509

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/30/22 07:30	03/30/22 16:18	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L		03/30/22 07:30	03/30/22 16:18	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L		03/30/22 07:30	03/30/22 16:18	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/30/22 07:30	03/30/22 16:18	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L		03/30/22 07:30	03/30/22 16:18	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/30/22 07:30	03/30/22 16:18	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	03/30/22 07:30	03/30/22 16:18	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/30/22 07:30	03/30/22 16:18	1

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

Matrix: Water

Lab Sample ID: MB 880-22561/8

Analysis Batch: 22561

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0006845	J	0.00200	0.000408	mg/L			03/29/22 17:54	1
Toluene	0.0009729	J	0.00200	0.000367	mg/L			03/29/22 17:54	1
Ethylbenzene	0.002373		0.00200	0.000657	mg/L			03/29/22 17:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/29/22 17:54	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/29/22 17:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/29/22 17:54	1

мв мв

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	53871	S1+	70 - 130		03/29/22 17:54	1
١	1,4-Difluorobenzene (Surr)	44	S1-	70 - 130		03/29/22 17:54	1

Lab Sample ID: LCS 880-22561/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 22561

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1172		mg/L		117	70 - 130	
Toluene	0.100	0.1191		mg/L		119	70 - 130	
Ethylbenzene	0.100	0.1132		mg/L		113	70 - 130	
m-Xylene & p-Xylene	0.200	0.2304		mg/L		115	70 - 130	
o-Xvlene	0.100	0 1129		ma/l		113	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 _ 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-22561/4

Matrix: Water

Analysis Batch: 22561

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1262		mg/L		126	70 - 130	7	20

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Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

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

Lab Sample ID: LCSD 880-22561/4

Matrix: Water

Analysis Batch: 22561

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1161		mg/L		116	70 - 130	3	20
Ethylbenzene	0.100	0.1095		mg/L		110	70 - 130	3	20
m-Xylene & p-Xylene	0.200	0.2229		mg/L		111	70 - 130	3	20
o-Xylene	0.100	0.1121		mg/L		112	70 - 130	1	20

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 880-12763-C-10 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Water

Analysis Batch: 22561

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.00115	J F1 B	0.100	0.1318	F1	mg/L		131	70 - 130	
Toluene	0.00554	В	0.100	0.1201		mg/L		115	70 - 130	
Ethylbenzene	0.00118	JB	0.100	0.1124		mg/L		111	70 - 130	
m-Xylene & p-Xylene	0.00277	J	0.200	0.2287		mg/L		113	70 - 130	
o-Xylene	<0.000642	U	0.100	0.1128		mg/L		113	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 880-12763-C-10 MSD

Matrix: Water

Analysis Batch: 22561

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.00115	J F1 B	0.100	0.1383	F1	mg/L		137	70 - 130	5	25
Toluene	0.00554	В	0.100	0.1266		mg/L		121	70 - 130	5	25
Ethylbenzene	0.00118	JB	0.100	0.1175		mg/L		116	70 - 130	4	25
m-Xylene & p-Xylene	0.00277	J	0.200	0.2386		mg/L		118	70 - 130	4	25
o-Xylene	< 0.000642	U	0.100	0.1175		mg/L		117	70 - 130	4	25

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: MB 880-22605/39

Matrix: Water Analysis Batch: 22605

мв мв Analyte Result Qualifier RL MDL Unit Prepared Dil Fac Analyzed Benzene <0.000408 U 0.00200 0.000408 03/31/22 05:54 mg/L Toluene <0.000367 U 0.00200 0.000367 mg/L 03/31/22 05:54 Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 03/31/22 05:54 <0.000629 U 0.00400 0.000629 mg/L 03/31/22 05:54 m-Xylene & p-Xylene

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Prep Type: Total/NA

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

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

Lab Sample ID: MB 880-22605/39

Matrix: Water

Analysis Batch: 22605

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac o-Xylene <0.000642 U 0.00200 0.000642 mg/L 03/31/22 05:54 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 03/31/22 05:54

MR MR

MB MB

Surrogate	%Recovery	Qualifier Lim	its	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70	70 -	130		03/31/22 05:54	1
1,4-Difluorobenzene (Surr)	88	70 -	130		03/31/22 05:54	1

Lab Sample ID: LCS 880-22605/34 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analyte

Benzene

Analysis Batch: 22605

LCS LCS Spike %Rec Added Result Qualifier Unit %Rec Limits 0.100 0.1147 mg/L 115 70 - 130 0.100 0.1038 mg/L 104 70 - 130

Toluene 0.100 0.09613 96 Ethylbenzene mg/L 70 - 130 m-Xylene & p-Xylene 0.200 0.1945 mg/L 97 70 - 130 o-Xylene 0.100 0.1016 mg/L 102 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1.4-Difluorobenzene (Surr)	101	70 ₋ 130

Lab Sample ID: LCSD 880-22605/35

Matrix: Water

Analysis Batch: 22605

RPD
RPD Limit
0 20
1 20
3 20
3 20
6 20

LCSD LCSD

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: 880-12821-A-7 MS

Matrix: Water

Analysis Batch: 22605

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.000408	U F1	0.100	0.1349	F1	mg/L		135	70 - 130	
Toluene	< 0.000367	U	0.100	0.1210		mg/L		121	70 - 130	
Ethylbenzene	<0.000657	U	0.100	0.09611		mg/L		96	70 - 130	
m-Xylene & p-Xylene	0.000691	J F2 F1	0.200	0.01888	F1	mg/L		9	70 - 130	
o-Xylene	< 0.000642	U	0.100	0.1099		mg/L		110	70 - 130	

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Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Released to Imaging: 6/6/2023 4:01:08 PM

Client: Talon/LPE Job ID: 890-2133-1 Project/Site: Hobbs Junction Mainline SDG: Leas County NM

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

Lab Sample ID: 880-12821-A-7 MS

Analysis Batch: 22605

Client Sample ID: Matrix Spike **Matrix: Water** Prep Type: Total/NA

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

Lab Sample ID: 880-12821-A-7 MSD Client Sample ID: Matrix Spike Duplicate

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

Analysis Batch: 22605

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000408	U F1	0.100	0.1376	F1	mg/L		138	70 - 130	2	25
Toluene	< 0.000367	U	0.100	0.1223		mg/L		122	70 - 130	1	25
Ethylbenzene	<0.000657	U	0.100	0.1044		mg/L		104	70 - 130	8	25
m-Xylene & p-Xylene	0.000691	J F2 F1	0.200	0.2124	F2	mg/L		106	70 - 130	167	25
o-Xylene	<0.000642	U	0.100	0.1095		mg/L		109	70 - 130	0	25

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-2133-1
Project/Site: Hobbs Junction Mainline SDG: Leas County NM

GC VOA

Prep Batch: 22509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-22509/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 22561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2133-1	MW-23	Total/NA	Water	8021B	
890-2133-2	MW-24	Total/NA	Water	8021B	
MB 880-22561/8	Method Blank	Total/NA	Water	8021B	
LCS 880-22561/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-22561/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-12763-C-10 MS	Matrix Spike	Total/NA	Water	8021B	
880-12763-C-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 22605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2133-3	MW-28	Total/NA	Water	8021B	
890-2133-4	MW-33	Total/NA	Water	8021B	
890-2133-5	MW-7	Total/NA	Water	8021B	
890-2133-6	MW-19	Total/NA	Water	8021B	
890-2133-7	MW-25	Total/NA	Water	8021B	
890-2133-7	MW-25	Total/NA	Water	8021B	
890-2133-8	MW-22	Total/NA	Water	8021B	
890-2133-8	MW-22	Total/NA	Water	8021B	
890-2133-9	MW-21	Total/NA	Water	8021B	
890-2133-10	MW-32	Total/NA	Water	8021B	
890-2133-11	MW-31	Total/NA	Water	8021B	
MB 880-22509/5-A	Method Blank	Total/NA	Water	8021B	22509
MB 880-22605/39	Method Blank	Total/NA	Water	8021B	
LCS 880-22605/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-22605/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-12821-A-7 MS	Matrix Spike	Total/NA	Water	8021B	
880-12821-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 22679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2133-1	MW-23	Total/NA	Water	Total BTEX	
890-2133-2	MW-24	Total/NA	Water	Total BTEX	
890-2133-3	MW-28	Total/NA	Water	Total BTEX	
890-2133-4	MW-33	Total/NA	Water	Total BTEX	
890-2133-5	MW-7	Total/NA	Water	Total BTEX	
890-2133-6	MW-19	Total/NA	Water	Total BTEX	
890-2133-7	MW-25	Total/NA	Water	Total BTEX	
890-2133-8	MW-22	Total/NA	Water	Total BTEX	
890-2133-9	MW-21	Total/NA	Water	Total BTEX	
890-2133-10	MW-32	Total/NA	Water	Total BTEX	
890-2133-11	MW-31	Total/NA	Water	Total BTEX	

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline

Client Sample ID: MW-23 Date Collected: 03/23/22 07:30 Lab Sample ID: 890-2133-1

Matrix: Water

Job ID: 890-2133-1

SDG: Leas County NM

Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22561	03/30/22 11:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Lab Sample ID: 890-2133-2

Date Collected: 03/23/22 08:15

Matrix: Water

Date Received: 03/23/22 12:36

Client Sample ID: MW-24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22561	03/30/22 12:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-28 Lab Sample ID: 890-2133-3

Matrix: Water

Date Collected: 03/23/22 08:45 Date Received: 03/23/22 12:36

Batch Dil Initial Final Batch Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 5 mL 22605 03/31/22 12:52 XEN MID Analysis 5 mL MR Total/NA Analysis Total BTEX 22679 03/30/22 17:52 XEN MID 1 AJ

Client Sample ID: MW-33 Lab Sample ID: 890-2133-4

Matrix: Water

Date Collected: 03/23/22 09:00 Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 13:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-7 Lab Sample ID: 890-2133-5

Date Collected: 03/23/22 09:15 **Matrix: Water** Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 07:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-19 Lab Sample ID: 890-2133-6

Date Collected: 03/23/22 09:15 **Matrix: Water** Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 08:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline

SDG: Leas County NM

Client Sample ID: MW-25 Date Collected: 03/23/22 10:10 Lab Sample ID: 890-2133-7

Matrix: Water

Job ID: 890-2133-1

Date	Receivea:	03/23/22	12:36
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		Batcl	า

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 08:26	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	22605	03/31/22 16:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Lab Sample ID: 890-2133-8

Client Sample ID: MW-22 Date Collected: 03/23/22 08:38 Date Received: 03/23/22 12:36

Matrix:	Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 08:52	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 13:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-21 Lab Sample ID: 890-2133-9 Date Collected: 03/23/22 09:00 **Matrix: Water**

Date Received: 03/23/22 12:36

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
P	гер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
To	otal/NA	Analysis	8021B		1000	5 mL	5 mL	22605	03/31/22 16:56	MR	XEN MID
То	otal/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-32 Lab Sample ID: 890-2133-10 Date Collected: 03/23/22 09:26

Date Received: 03/23/22 12:36

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 09:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Client Sample ID: MW-31 Lab Sample ID: 890-2133-11

Matrix: Water

Date Collected: 03/23/22 09:49 Date Received: 03/23/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	22605	03/31/22 09:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			22679	03/30/22 17:52	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2133-1
Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date		
Texas	NE	ELAP	T104704400-21-22	06-30-22		
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes f						
				, ,		
the agency does not of	fer certification.			,		
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	,		

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Method Summary

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline

Job ID: 890-2133-1

SDG: Leas County NM

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

Protocol References:

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

Laboratory References:

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

Job ID: 890-2133-1

Sample Summary

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline SDG: Leas County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2133-1	MW-23	Water	03/23/22 07:30	03/23/22 12:36	N/A
890-2133-2	MW-24	Water	03/23/22 08:15	03/23/22 12:36	N/A
890-2133-3	MW-28	Water	03/23/22 08:45	03/23/22 12:36	N/A
890-2133-4	MW-33	Water	03/23/22 09:00	03/23/22 12:36	N/A
890-2133-5	MW-7	Water	03/23/22 09:15	03/23/22 12:36	N/A
890-2133-6	MW-19	Water	03/23/22 09:15	03/23/22 12:36	N/A
890-2133-7	MW-25	Water	03/23/22 10:10	03/23/22 12:36	N/A
890-2133-8	MW-22	Water	03/23/22 08:38	03/23/22 12:36	N/A
890-2133-9	MW-21	Water	03/23/22 09:00	03/23/22 12:36	N/A
890-2133-10	MW-32	Water	03/23/22 09:26	03/23/22 12:36	N/A
890-2133-11	MW-31	Water	03/23/22 09:49	03/23/22 12:36	N/A

AW 1 MW-33 MW-24

MW -23

MW - 28

MU-19

MW 32 MW-21 MW-da MW-25

eurofins Xenco **Environment Testing**

Phone:

City, State ZIP: Address:

Project Name:

SAMPLE RECEIPT

Sampler's Name:

roject Location: roject Number:

Sample Custody Seals: Cooler Custody Seals: Samples Received Intact: Company Name:

Project Manager.

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

David 108 73	Adkins pe	enti Plains ne: Pioc I	All American line Camille Bryant	www.xenco.com Page Work Order Comments Program: UST/PST PRP Brownfields State of Project:	m Page of & Comments rownfields RRC Superfund pst/list TRRP Level V
e ZIP:	Artesia, NM 88210 575-441-4835 Email:	dad kins & talor	2003-00017 pe :com	Reporting: Level II Level III PST/UST TRRP Level IV Deliverables: EDD ADaPT Other:	ADaPT Other:
oject Name: Hobbs Ju	Hobbs Twaction Mainline Tur	Turn Around	ANALYSIS REQUEST	51	Preservative Codes
ær:	Rout	Rush Pres.			None: NO DI Water: H ₂ O
oject Location: Lea County	Due Date:				Cool: Cool MeOH: Me
R.B/	びど				
585#	03-00017 the lab, if received by	4:30pm			H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT Temp	Temp Blank: Yes No Wet Ice:	neter B			H ₃ PO ₄ : HP
imples Received Intact: Yes	No Thermometer ID:	ZF BH			NaHSO 4: NABIS
ooler Custody Seals: Yes No	O N/A Correction Factor: Temperature Reading:		890-2133 C	890-2133 Chain of Custody	Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn
otal Containers:	Corrected Temperature:				NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Date Time Sampled Sampled	Depth Comp Cont			Sample Comments
w 23	GW 3/23/22 7:30	N/A 3 ×			Email Analyticals
W-24	-				to
w - 28	54:8				CTBryant & paalo, com
W-33	9:00				Ma Ochao @ pacip, com
JE - /	4:5				
シーング	01:01				
W-da	80:38				
ピーン	9:00				
カン 33	1 9:26				
200.7 / 6010 Method(s) and Me	8RCR.	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	3 Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Mn Mo Ni K Se Åg SiO ₂ Na Sr Tl Sn I Ag Tl U Hg: 1631 / 245.1 / 7470	71 Sn U V Zn 1/7470 /7471
tice: Signature of this document and relinquish service. Eurofins Xenco will be liable only for th Eurofins Xenco. A minimum charge of \$85.00 v	hment of samples constitutes a valid purchase o he cost of samples and shall not assume any res will be applied to each project and a charge of s	sitice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	tes and subcontractors. It assigns standard terms a client if such losses are due to circumstances beyon tot analyzed. These terms will be enforced unless pu	nd conditions d the control reviously negotiated.	
Relinquished by: (Signature)	Received by: (Signature)	re) Date/Time	Relinquished by: (Signature)	e) Received by: (Signature)	re) Date/Time
Mathan Genel	Llocker	32322	46		

Revised Date 08/25/2020 Rev. 2020.

ompany Name: Project Manager:

7alon

Bill to: (if different) Company Name:

Pipeline

AMERICan

State of Project:

Program: UST/PST | PRP | Brownfields | RRC |

Superfund

Work Order Comments

Chain of Custody

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

Xenco

Environment Testing

www.xenco.com	Work Order No:
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Relinquished by: (Signature) 1 Nothing (Server)	Notice: Signature of this docume of service. Eurofins Xenco will be of Eurofins Xenco. A minimum ch	Total 200.7 / 6010 Circle Method(s) and				100	ML1-31	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Samples Received Intact:	SAMPLE RECEIPT		Sampler's Name: R		ær:	Project Name:		e ZIP:	Address: 4
gnature) Re	nt and relinquishment of samples co liable only for the cost of samples a harge of \$85.00 will be applied to ea	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed				-	CW 3	Matrix	Co	Yes No N/A Te	Yes No N/A Co	Yes No The	Temp Blank: Y	SRS# 2003-000		Lea County		Hobbs Junction Mainline	575-441-4835	Artesia NM	408 Texas St
Received by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	8RCR,					3/3/22 9:49 N/A	Date Time Depth Comp	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer D:	Yes No Wet Ice: Yes No	/7 the lab, if received by 4:30pm	TAT starts the day received by	Due Date:	☑Routine ☐Rush	unline Turn Around	5 Email: Oladkins	88210 City, State ZIP	Address:
Date/Time 3283 183	wany to Eurofins Xenco, its affiliates and ses or expenses incurred by the client if bmitted to Eurofins Xenco, but not analy	Texas 11 Al Sb As Ba Be B Cd 6010 : 8RCRA Sb As Ba Be Cd C				,	у Х	# of B7	Ελ	(-		neter	_			Code		@talon/	SRS#	Attn: Com
Relinquished by: (Şignature)	subcontractors. It assigns standard ter such losses are due to circumstances by yzed. These terms will be enforced unle	Ca Cr Co Cu Fe Pb r Co Cu Pb Mn Mo N																ANALYSIS REQUEST	De.Com	2003-00017	comille Bryant
ure) Received by: (Signature)	terms and conditions s beyond the control unless previously negotiated.	Vi K Se																UEST	Deliverables: EDD	Reporting: Level II Lev	State of Project:
		Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471		Madichaole	CJBryant		Email Am	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO 4: NABIS	H ₃ PO ₄ :HP	H ₂ SO ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Preservative Codes	ADaPT Other:	Reporting: Level III Level III PST/UST TRRP Level IV	
Date/Time				Madichao Copacip.com	CJBryant Cpacifo. Cor		Analyticals	omments	Acid: SAPC	H: Zn	W			NaOH: Na	HNO 3: HN	MeOH: Me	DI Water: H ₂ O	ve Codes		LevelIV	

Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199

Eurofins Carlsbad

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Chain of Custody Record

- 1	

eurofins

Environment Testing America

Midland State, Zip: TX, 79701 MW-25 (890-2133-7) MW-21 (890-2133-9) MW-22 (890-2133-8) MW-19 (890-2133-9) MW-28 (890-2133-3) MW-24 (890-2133-2) MW-23 (890-2133-1) Deliverable Requested I, II, III, IV Other (specify) tote. Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently manifaln accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC. WW-7 (890-2133-5) MW-33 (890-2133-4) Sample Identification - Client ID (Lab ID) Empty Kit Relinquished by Ossible Hazard Identification 132-704-5440(Tel) elinquished by elinquished by lobbs Junction Mainline 211 W Florida Ave urofins Environment Testing South Centr oject Name. nipping/Receiving lient Information (Sub Contract Lab) ent Contact: Custody Seal No Date/Time Project # 89000047 Primary Deliverable Rank 2 Phone: ₩ 0 PO# Due Date Requested 3/29/2022 AT Requested (days): 3/23/22 3/23/22 3/23/22 3/23/22 3/23/22 3/23/22 3/23/22 3/23/22 3/23/22 Date Mountain 10 10 Mountain 08 15 Mountain 09 00 Mountain 08 38 Mountain 09:15 Mountain 09 15 Mountain 09:00 Mountain 08 45 Sample 07 30 (C=comp, G=grab) Sample Preservation Code Type Company Company Company Water Matrix Water Water Water Water Water Water Water Water Lab PM jessica.kramer@eurofinset.com
Accreditations Required (See note)
NELAP - Texas Kramer, Jessica Time Field Filtered Sample (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monte Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Received by Cooler Temperature(s) °C and Other Remarks × × × × 8021B/5030B BTEX × × \times × × ecewed by × × × × × × × × Total_BTEX_GCV Analysis Requested 0 State of Origin: New Mexico Carrier Tracking D Method of Shipment: W Date/Time Date/Time S \odot N N **w** w CO co. ω w ယ ω w Total Number of containers A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H - Ascorbic Acid
I - Ice
J Di Water
K EDTA
L EDA N COC No: 890-684 1 Page 1 of 2 Preservation Codes Page: 390-2133-1 Ō Z · \$ M - Hexane
N None
O - AsNaO2
P Na2O4S
Q - Na2SO3
R Na2S2O3
R Na2S2O3
T TSP Dodecahydrate
U - Acatone
V MCAA W - pH 4-5 Z other (sp Company other (specify) となめ

/er: 06/08/202

Eurofins Carlsbad 1089 N Canal St.	Chain of Custody Record	Record		seurofins Environment Testing
Carlsbad, NM 88220 Phone 575-988-3199 Fax 575-988-3199) nacoid		America
	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Information (Sub Contract Lab)		Kramer, Jessica		890-684 2
Cheric Contact.	Phone:	E-Mail	State of Origin	Page:
onipping/neceiving		jessica.kramer@eurofinset.com	New Mexico	Page 2 of 2
Eurofins Environment Testing South Centr		Accreditations Required (See note). NELAP - Texas		Job#:
Address.				000 1 00-

Filone 5/5-866-3188 F8X 5/5-888-3188							
Client Information (Sub Contract Lab)	Sampler		Lab PM Kramer	Lab PM Kramer, Jessica	Carrier Tracking No(s)	COC No: 890-684 2	
Client Contact: Shipping/Receiving	Phone [.]		E-Mail lessica	E-Mail E-Ssica kramer@eurofinset.com	State of Origin	Page:	
Company Eurofins Environment Testing South Centr			Z &	Accreditations Required (See note). NEI AP - Texas		Job #:	
Address. 1211 W. Florida Ave, ,	Due Date Requested. 3/29/2022			Analysis	Reguested	Preservation Codes	odes
City Midland	TAT Requested (days):					A HCL B NaOH	M Hexane N None
State, Zip TX, 79701						C - Zn Acetate D Nitric Acid E - NaHSO4	O ASNAO2 P Na2O4S O Na2SO3
Phone: 432-704-5440(Tel)	PO#					F MeOH G - Amchlor	
Email	WO#:		er No	enteriorismo			
Project Name. Hobbs Junction Mainline	Project #: 89000047		(Yes	CONVENDENCE.		L EDA	W pH 4-5 Z - other (specify)
Site	SSOW#		ample	SD (Ye EX		f cont Other	
		Sample	Matrix itered S	1 MS/M1		umber c	
Sample Identification - Client ID (Lab ID)	Sample Date T	Sample (C=comp,	O=waste/oil,	Perfo			bot and a second
			100000000000000000000000000000000000000				Openia manucionalivote.
MW-32 (890-2133-10)	3/23/22 Moi	Mountain	Water	×		3	
MW-31 (890-2133-11)	3/23/22 Mou	09 49 Mountain	Water	×		3	
							the state of the s
						Sandy S	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC.	Testing South Central LL(ve for analysis/tests/matrix ral, LLC attention immedia	C places the ownership being analyzed the sately If all requested a	of method, analyte amples must be shi ccreditations are cu	& accreditation compliance upon out subcopped back to the Eurofins Environment Tes	ontract laboratories This sample string South Central LLC laborato stody attesting to said complican	shipment is forwarded under ry or other instructions will be ce to Eurofins Environment T	r chain-of-custody If the provided Any changes to resting South Central LLC.
Possible Hazard Identification Unconfirmed				Sample Disposal (A fee may bu	fee may be assessed if samples are retained longer than 1 month) Archive For Mon	e retained longer than	1 1 month)
Deliverable Requested I, II III, IV Other (specify)	Primary Deliverable Rank. 2	Rank. 2		Special Instructions/QC Requirements	nents		, moral o
Empty Kit Relinquished by:	Date		11	Time	Method of Shipment:		
Relinquished by Che Che 3 23 23	Date/Time		Company	Received by:	Date/Time.	が <u>ら</u> 7 7 7 7 7 7 7 7	Company
Relinquished by	Date/Time [,]		Company	Received by:	D.		Company
Relinquished by	Date/Time:		Company	Received by	Date/Time		Company
Custody Seals Intact: Custody Seal No				Cooler Temperature(s) °C and Other Remarks	Remarks 2 Y	JU. N.	100
					- 1		Ver: 0

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2133-1

SDG Number: Leas County NM

List Source: Eurofins Carlsbad

Login Number: 2133 List Number: 1 Creator: Clifton, Cloe

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2133-1 SDG Number: Leas County NM

List Source: Eurofins Midland

Login Number: 2133 List Number: 2

List Creation: 03/24/22 10:41 AM

Creator: Rodriguez, Leticia

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

Page 26 of 26 4/4/2022 Released to Imaging: 6/6/2023 4:01:08 PM

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2449-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 6/30/2022 7:54:41 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through EO L.

Have a Question?

------ LINKS ------

Ask—The Expert

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

gnature.

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

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

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Client: Talon/LPE Laboratory Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Table of Contents

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QC Association Summary	16
Lab Chronicle	18
Certification Summary	20
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Sample Summary	22
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Definitions/Glossary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

PRES Presumptive
QC Quality Control

PQL

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Practical Quantitation Limit

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-2449-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2449-1

Receipt

The samples were received on 6/22/2022 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

Method RSK_175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-21 (890-2449-1). Elevated reporting limits (RLs) are provided.

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

HPLC/IC

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

Metals

Method 6020A: The method blank for preparation batch 860-59053 and analytical batch 860-59293 contained Manganese above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore re-analysis of samples was not performed.

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

General Chemistry

Method 3500_FE_D: The following samples were received outside of holding time: MW-21 (890-2449-1), MW-19 (890-2449-2), (870-9005-A-1) and (870-9005-A-1 DU).

Method 3500_FE_D: The following samples were received outside of holding time: MW-24 (890-2449-3), MW-23 (890-2449-4) and (890-2449-B-3 DU).

Method 3500_FE_D: The following samples were received outside of holding time: MW-24 (890-2449-3), MW-23 (890-2449-4) and (890-2449-B-3 DU).

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

Eurofins Carlsbad 6/30/2022 Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21 Lab Sample ID: 890-2449-1

Date Collected: 06/22/22 10:00 Matrix: Water
Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1.27		0.100	0.00905	mg/L			06/27/22 12:11	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	92		70 - 130					06/24/22 11:02	1
Trifluoroethane	91		70 - 130					06/27/22 12:11	20
Method: 300.0 - Anions, Ion Chror	natography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.210		0.100	0.0391	mg/L			06/23/22 13:29	1
Sulfate	43.0		0.500	0.109	mg/L			06/23/22 13:29	1
Method: 6020A - Metals (ICP/MS)									
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 6020A - Metals (ICP/MS) Analyte Manganese	Result 0.0625		RL 0.00200	MDL 0.000199	Unit mg/L	<u>D</u>	Prepared 06/29/22 09:30	Analyzed 06/30/22 00:40	Dil Fac
Analyte Manganese						<u>D</u>	<u>·</u>		
Analyte	0.0625				mg/L	<u>D</u>	<u>·</u>		
Analyte Manganese General Chemistry	0.0625	В	0.00200	0.000199	mg/L		06/29/22 09:30	06/30/22 00:40	1
Analyte Manganese General Chemistry Analyte	0.0625 Result	В	0.00200 RL	0.000199 MDL	mg/L Unit		06/29/22 09:30	06/30/22 00:40 Analyzed	1 Dil Fac
Analyte Manganese General Chemistry Analyte Alkalinity	0.0625 Result	B Qualifier	0.00200 RL 4.00	0.000199 MDL 4.00 4.00	mg/L Unit mg/L		06/29/22 09:30	06/30/22 00:40 Analyzed 06/27/22 13:05	Dil Fac
Analyte Manganese General Chemistry Analyte Alkalinity Bicarbonate Alkalinity as CaCO3	0.0625 Result 364 364	Qualifier U	0.00200 RL 4.00 4.00	0.000199 MDL 4.00 4.00	mg/L Unit mg/L mg/L		06/29/22 09:30	06/30/22 00:40 Analyzed 06/27/22 13:05 06/27/22 13:05	1 Dil Fac
Analyte Manganese General Chemistry Analyte Alkalinity Bicarbonate Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3	Result 364 <4.00	B Qualifier U	0.00200 RL 4.00 4.00 4.00	0.000199 MDL 4.00 4.00 4.00	mg/L mg/L mg/L mg/L		06/29/22 09:30	06/30/22 00:40 Analyzed 06/27/22 13:05 06/27/22 13:05 06/27/22 13:05	1 Dil Fac 1 1 1 1

Client Sample ID: MW-19 Lab Sample ID: 890-2449-2

Date Collected: 06/22/22 08:58

Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.486		0.00500	0.000453	mg/L			06/24/22 11:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	90		70 - 130					06/24/22 11:19	1
Method: 300.0 - Anions, Ion Chroma	atography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.273	-	0.100	0.0391	mg/L			06/23/22 14:31	1
Sulfate	21.8		0.500	0.109	mg/L			06/23/22 14:31	1
Method: 6020A - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0887	В	0.00200	0.000199	mg/L		06/29/22 09:30	06/30/22 00:43	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	496		4.00	4.00	mg/L			06/27/22 13:15	1
Bicarbonate Alkalinity as CaCO3	496		4.00	4.00	mg/L			06/27/22 13:15	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			06/27/22 13:15	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			06/27/22 13:15	1

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Matrix: Water

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-19 Lab Sample ID: 890-2449-2

Date Collected: 06/22/22 08:58 Matrix: Water

Date Received: 06/22/22 12:36 Sample Depth: N/A

General Chemistry (Continued) Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 4.00 <4.00 U 06/27/22 13:15 Phenolphthalein Alkalinity 4.00 mg/L Ferrous Iron <0.0280 UHF 0.0500 0.0280 mg/L 06/28/22 20:52

Client Sample ID: MW-24 Lab Sample ID: 890-2449-3

Date Collected: 06/22/22 07:48 Matrix: Water

Date Received: 06/22/22 12:36

Method: 6020A - Metals (ICP/MS)

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.000979	J	0.00500	0.000453	mg/L			06/24/22 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	92		70 - 130			-		06/24/22 11:35	1
Method: 300.0 - Anions,	Ion Chromatography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.25		0.100	0.0391	mg/L			06/23/22 14:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0130	В	0.00200	0.000199	mg/L		06/29/22 09:30	06/30/22 00:46	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	235		4.00	4.00	mg/L			06/28/22 11:45	1
Bicarbonate Alkalinity as CaCO3	235		4.00	4.00	mg/L			06/28/22 11:45	1

Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L 06/28/22 11:45 Hydroxide Alkalinity <4.00 U 4.00 4.00 mg/L 06/28/22 11:45 Phenolphthalein Alkalinity <4.00 U 4.00 4.00 mg/L 06/28/22 11:45 0.0500 06/28/22 20:52 **Ferrous Iron** 0.0600 HF 0.0280 mg/L

Client Sample ID: MW-23

Date Collected: 06/22/22 06:48

Lab Sample ID: 890-2449-4

Matrix: Water

Date Collected: 06/22/22 06:48 Date Received: 06/22/22 12:36

Sample Depth: N/A

Sulfate

Method: RSK-175 - Disso Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.000813	J	0.00500	0.000453	mg/L			06/24/22 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	91		70 - 130			-		06/24/22 11:52	1
Method: 300.0 - Anions,	Ion Chromatography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.36		0.100	0.0391	mg/L			06/23/22 14:56	1

0.500

121

0.109 mg/L

Eurofins Carlsbad

06/23/22 14:56

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Client Sample Results

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-23

Date Collected: 06/22/22 06:48 Date Received: 06/22/22 12:36

Sample Depth: N/A

Lab Sample ID: 890-2449-4

Matrix: Water

Method: 6020A - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0232	В	0.00200	0.000199	mg/L		06/29/22 09:30	06/30/22 00:49	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	285		4.00	4.00	mg/L			06/28/22 11:54	1
Bicarbonate Alkalinity as CaCO3	285		4.00	4.00	mg/L			06/28/22 11:54	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			06/28/22 11:54	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			06/28/22 11:54	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			06/28/22 11:54	1
Ferrous Iron	0.660	HF	0.0500	0.0280	mg/L			06/28/22 20:52	1

Surrogate Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

		fluoroethan	
Lab Sample ID	Client Sample ID	(70-130)	
890-2449-1	MW-21	92	
390-2449-1	MW-21	91	
390-2449-2	MW-19	90	
390-2449-3	MW-24	92	
390-2449-4	MW-23	91	
_CS 860-58335/5	Lab Control Sample	91	
CS 860-58616/5	Lab Control Sample	93	
_CSD 860-58335/6	Lab Control Sample Dup	93	
_CSD 860-58616/6	Lab Control Sample Dup	94	
MB 860-58335/4	Method Blank	93	
MB 860-58616/4	Method Blank	92	

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Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-58335/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58335

	IVID								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			06/24/22 09:07	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Trifluoroethane	93		70 - 130		06/24/22 09:07	1

Lab Sample ID: LCS 860-58335/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58335

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methane	0.0199	0.01744		mg/L		88	70 - 130	

LCS LCS

Surrogate %Recovery Qualifier Limits 70 - 130 Trifluoroethane 91

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 860-58335/6 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58335

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methane	 	0.0199	0.01758	-	mg/L		88	70 - 130	1	30

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
Trifluoroethane	93	70 - 130

Lab Sample ID: MB 860-58616/4

Matrix: Water

Analyte

Analysis Batch: 58616

мв мв Result Qualifier

Methane	<0.000453	U	0.00500	0.000453 mg/L		06/27/22 10:28	1
	МВ	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Triffy areathana			70 100			00/07/00 40:00	

RL

MDL Unit

D

Prepared

Lab Sample ID: LCS 860-58616/5

Matrix: Water

Released to Imaging: 6/6/2023 4:01:08 PM

Analysis Batch: 58616

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methane	0.0199	0.01805		mg/L		91	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
Trifluoroethane	93	70 - 130

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Client Sample ID: Method Blank

Prep Type: Total/NA

Analyzed Dil Fac

06/27/22 10:28

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 860-58616/6 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water Analysis Batch: 58616

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier %Rec Limits RPD Limit Unit Methane 0.0199 0.01804 mg/L 91 70 - 130 0 30

LCSD LCSD

Surrogate %Recovery Qualifier Limits Trifluoroethane 94 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-58122/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58122

MB MB

Result Qualifier MDL Unit Analyte RL Prepared Analyzed Dil Fac Sulfate <0.109 0.500 0.109 mg/L 06/23/22 11:38

Lab Sample ID: LCS 860-58122/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 58122

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Sulfate 10.0 9.608 90 - 110 mg/L

Lab Sample ID: LCSD 860-58122/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58122

Spike LCSD LCSD RPD Added Result Qualifier %Rec Limits RPD Limit Analyte Unit D Sulfate 10.0 9.583 90 - 110 mg/L

Lab Sample ID: LLCS 860-58122/5 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58122

LLCS LLCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits Sulfate 0.500 0.4805 J 96 50 - 150 mg/L

Lab Sample ID: 890-2449-1 MS

Matrix: Water Prep Type: Total/NA

Analysis Batch: 58122

Sample Sample Spike MS MS %Rec Qualifier Analyte Result Added Result Qualifier Unit D %Rec Limits Sulfate 43.0 10.0 52.19 4 92 90 - 110 mg/L

Lab Sample ID: 890-2449-1 MSD

Released to Imaging: 6/6/2023 4:01:08 PM

Matrix: Water

Analysis Batch: 58122

Analysis Daton. 00122											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfate	43.0		10.0	52.23	4	mg/L		93	90 - 110	0	20

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Client Sample ID: MW-21

Client Sample ID: MW-21

Prep Type: Total/NA

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-58123/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 58123

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	ma/L			06/23/22 11:38	1

Lab Sample ID: LCS 860-58123/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 58123

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	10.0	9.750		mg/L		97	80 - 120	

Lab Sample ID: LCSD 860-58123/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58123

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N		10.0	9.790		mg/L		98	80 - 120	0	20

Lab Sample ID: LLCS 860-58123/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58123

	Spike	LLCS LLCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	0.100	0.1153	mg/L		115	50 - 150	

Lab Sample ID: 890-2449-1 MS Client Sample ID: MW-21 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58123

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	0.210		10.0	9.927		ma/L		97	80 - 120	

Lab Sample ID: 890-2449-1 MSD

0.0004170 J

Matrix: Water

Analysis Batch: 58123

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N	0.210		10.0	9.962		mg/L		98	80 - 120	0	15

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-59053/1-A Client Sample ID: Method Blank

0.00200

Matrix: Water

Manganese

Analysis Batch: 59293

Prep Type: Total/NA Prep Batch: 59053 MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac

0.000199 mg/L

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Client Sample ID: MW-21

06/30/22 00:00

06/29/22 09:30

Prep Type: Total/NA

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Lab Sample ID: LCS 860-59053/2-A **Matrix: Water**

Analysis Batch: 59293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 59053

Spike LCS LCS Analyte Added Result Qualifier %Rec Limits Unit Manganese 0.100 0.1002 mg/L 100 80 - 120

Lab Sample ID: LCSD 860-59053/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 59293

Prep Batch: 59053 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Manganese 0.100 0.09895 mg/L 99 80 - 120 20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-58749/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58749

MB MB Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Alkalinity <4.00 U 4.00 4.00 mg/L 06/27/22 11:58 Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 06/27/22 11:58 4.00 mg/L Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L 06/27/22 11:58 Hydroxide Alkalinity <4.00 U 4.00 06/27/22 11:58 4.00 mg/L Phenolphthalein Alkalinity <4.00 U 4.00 4.00 mg/L 06/27/22 11:58

Lab Sample ID: LCS 860-58749/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58749

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
Alkalinity	250	250.0	m	g/L	100	85 - 115	

Lab Sample ID: LCSD 860-58749/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58749

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	RPD	Limit
Alkalinity	250	255.4	mg/L		102	85 - 115	2	20

Lab Sample ID: MB 860-58958/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 58958

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			06/28/22 10:53	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			06/28/22 10:53	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			06/28/22 10:53	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			06/28/22 10:53	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			06/28/22 10:53	1
	Alkalinity Bicarbonate Alkalinity as CaCO3 Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity	AnalyteResultAlkalinity<4.00Bicarbonate Alkalinity as CaCO3<4.00Carbonate Alkalinity as CaCO3<4.00Hydroxide Alkalinity<4.00	AnalyteResultQualifierAlkalinity<4.00UBicarbonate Alkalinity as CaCO3<4.00UCarbonate Alkalinity as CaCO3<4.00UHydroxide Alkalinity<4.00U	Analyte Result Qualifier RL Alkalinity <4.00 U 4.00 Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 Carbonate Alkalinity as CaCO3 <4.00 U 4.00 Hydroxide Alkalinity <4.00 U 4.00	Analyte Result Qualifier RL MDL Alkalinity <4.00 U 4.00 4.00 Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 Hydroxide Alkalinity <4.00 U 4.00 4.00	Analyte Result Qualifier RL MDL Unit Alkalinity <4.00 U 4.00 4.00 mg/L Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Hydroxide Alkalinity <4.00 U 4.00 4.00 mg/L	Analyte Result Qualifier RL MDL Unit D Alkalinity <4.00 U 4.00 4.00 mg/L Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Hydroxide Alkalinity <4.00 U 4.00 4.00 mg/L	Analyte Result Qualifier RL MDL Unit D Prepared Alkalinity <4.00 U 4.00 4.00 mg/L Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L Hydroxide Alkalinity <4.00 U 4.00 4.00 mg/L	Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Alkalinity < 4.00 U 4.00 mg/L 06/28/22 10:53 Bicarbonate Alkalinity as CaCO3 < 4.00 U 4.00 mg/L 06/28/22 10:53 Carbonate Alkalinity as CaCO3 < 4.00 U 4.00 mg/L 06/28/22 10:53 Hydroxide Alkalinity < 4.00 U 4.00 mg/L 06/28/22 10:53

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-58958/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 58958

Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit Alkalinity 250 259.6 mg/L 104 85 - 115

Lab Sample ID: LCSD 860-58958/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 58958

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Alkalinity	250	261.9		mg/L		105	85 - 115	1	20

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

Lab Sample ID: MB 860-59011/18 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 59011

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Ferrous Iron <0.0280 U 0.0500 0.0280 mg/L 06/28/22 20:52

Lab Sample ID: MB 860-59011/34 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 59011

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed

Dil Fac <0.0280 U 0.0500 0.0280 06/28/22 20:52 Ferrous Iron mg/L

Lab Sample ID: LCS 860-59011/19 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 59011

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits Ferrous Iron 1.00 0.9600 75 - 125 mg/L

Lab Sample ID: LCS 860-59011/35 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 59011

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit D %Rec Limits 1.00 Ferrous Iron 0.9600 mg/L 96 75 - 125

Lab Sample ID: LCSD 860-59011/20 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 59011

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Ferrous Iron 1.00 0.9700 mg/L 97 75 - 125 25

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 860-59011/36 **Matrix: Water** Prep Type: Total/NA Analysis Batch: 59011

Spike LCSD LCSD %Rec RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Ferrous Iron 1.00 0.9700 mg/L 97 75 - 125

Lab Sample ID: 890-2449-3 DU Client Sample ID: MW-24 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 59011

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Ferrous Iron	0.0600	HF	0.06000		mg/L		 	0	25

QC Association Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

GC VOA

Analysis Batch: 58335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	RSK-175	
890-2449-2	MW-19	Total/NA	Water	RSK-175	
890-2449-3	MW-24	Total/NA	Water	RSK-175	
890-2449-4	MW-23	Total/NA	Water	RSK-175	
MB 860-58335/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-58335/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-58335/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 58616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	RSK-175	
MB 860-58616/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-58616/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-58616/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 58122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	300.0	
890-2449-2	MW-19	Total/NA	Water	300.0	
890-2449-3	MW-24	Total/NA	Water	300.0	
890-2449-4	MW-23	Total/NA	Water	300.0	
MB 860-58122/3	Method Blank	Total/NA	Water	300.0	
LCS 860-58122/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-58122/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-58122/5	Lab Control Sample	Total/NA	Water	300.0	
890-2449-1 MS	MW-21	Total/NA	Water	300.0	
890-2449-1 MSD	MW-21	Total/NA	Water	300.0	

Analysis Batch: 58123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	300.0	
890-2449-2	MW-19	Total/NA	Water	300.0	
890-2449-3	MW-24	Total/NA	Water	300.0	
890-2449-4	MW-23	Total/NA	Water	300.0	
MB 860-58123/3	Method Blank	Total/NA	Water	300.0	
LCS 860-58123/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-58123/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-58123/4	Lab Control Sample	Total/NA	Water	300.0	
890-2449-1 MS	MW-21	Total/NA	Water	300.0	
890-2449-1 MSD	MW-21	Total/NA	Water	300.0	

Metals

Prep Batch: 59053

Г	_				
	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
	890-2449-1	MW-21	Total/NA	Water	3010A
	890-2449-2	MW-19	Total/NA	Water	3010A
	890-2449-3	MW-24	Total/NA	Water	3010A
	890-2449-4	MW-23	Total/NA	Water	3010A
	MB 860-59053/1-A	Method Blank	Total/NA	Water	3010A

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QC Association Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Metals (Continued)

Prep Batch: 59053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-59053/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-59053/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 59293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	6020A	59053
890-2449-2	MW-19	Total/NA	Water	6020A	59053
890-2449-3	MW-24	Total/NA	Water	6020A	59053
890-2449-4	MW-23	Total/NA	Water	6020A	59053
MB 860-59053/1-A	Method Blank	Total/NA	Water	6020A	59053
LCS 860-59053/2-A	Lab Control Sample	Total/NA	Water	6020A	59053
LCSD 860-59053/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	59053

General Chemistry

Analysis Batch: 58749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	SM 2320B	
890-2449-2	MW-19	Total/NA	Water	SM 2320B	
MB 860-58749/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-58749/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-58749/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 58958

	ab Sample ID 90-2449-3	Client Sample ID MW-24	Prep Type Total/NA	Matrix Water	Method Prep Bat SM 2320B	ch
		= .				
8	90-2449-4	MW-23	Total/NA	Water	SM 2320B	
M	1B 860-58958/3	Method Blank	Total/NA	Water	SM 2320B	
L	CS 860-58958/4	Lab Control Sample	Total/NA	Water	SM 2320B	
L	CSD 860-58958/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 59011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2449-1	MW-21	Total/NA	Water	SM 3500 FE D	
890-2449-2	MW-19	Total/NA	Water	SM 3500 FE D	
890-2449-3	MW-24	Total/NA	Water	SM 3500 FE D	
890-2449-4	MW-23	Total/NA	Water	SM 3500 FE D	
MB 860-59011/18	Method Blank	Total/NA	Water	SM 3500 FE D	
MB 860-59011/34	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-59011/19	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCS 860-59011/35	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-59011/20	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
LCSD 860-59011/36	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
890-2449-3 DU	MW-24	Total/NA	Water	SM 3500 FE D	

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21

Client: Talon/LPE

Lab Sample ID: 890-2449-1 Date Collected: 06/22/22 10:00

Matrix: Water

Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	58335	06/24/22 11:02	CZT	XEN STF
Total/NA	Analysis	RSK-175		20	33 mL	33 mL	58616	06/27/22 12:11	CZT	XEN STF
Total/NA	Analysis	300.0		1			58122	06/23/22 13:29	A1S	XEN STF
Total/NA	Analysis	300.0		1			58123	06/23/22 13:29	A1S	XEN STF
Total/NA	Prep	3010A			50 mL	50 mL	59053	06/29/22 09:30	MD	XEN STF
Total/NA	Analysis	6020A		1			59293	06/30/22 00:40	SHZ	XEN STF
Total/NA	Analysis	SM 2320B		1			58749	06/27/22 13:05	TL	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	59011	06/28/22 20:52	ADL	XEN STF

Client Sample ID: MW-19 Lab Sample ID: 890-2449-2

Date Collected: 06/22/22 08:58 **Matrix: Water**

Date Received: 06/22/22 12:36

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed **Analyst** Lab Total/NA Analysis RSK-175 33 mL 58335 06/24/22 11:19 CZT XEN STF 33 mL Total/NA 300.0 Analysis 1 58122 06/23/22 14:31 A1S XEN STF 06/23/22 14:31 Total/NA Analysis 300.0 1 58123 A1S XEN STF Total/NA 3010A 59053 06/29/22 09:30 XEN STF Prep 50 mL 50 mL MD Total/NA Analysis 6020A 59293 06/30/22 00:43 SHZ XEN STF Total/NA Analysis SM 2320B 58749 06/27/22 13:15 TL XEN STF Total/NA Analysis SM 3500 FE D 1 25 mL 25 mL 59011 06/28/22 20:52 ADL XEN STF

Client Sample ID: MW-24 Lab Sample ID: 890-2449-3

Date Collected: 06/22/22 07:48 Date Received: 06/22/22 12:36

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA RSK-175 33 mL 58335 06/24/22 11:35 CZT XEN STF Analysis 1 33 ml Total/NA Analysis 300.0 58122 06/23/22 14:44 A1S XEN STF Total/NA Analysis 300.0 58123 06/23/22 14:44 A1S XEN STF 1 Total/NA Prep 3010A 50 mL 50 mL 59053 06/29/22 09:30 MD XEN STF Total/NA Analysis 6020A 59293 06/30/22 00:46 SHZ XEN STF 1 Total/NA SM 2320B 58958 06/28/22 11:45 XEN STF Analysis Total/NA Analysis SM 3500 FE D 1 25 mL 25 mL 59011 06/28/22 20:52 ADL XEN STF

Client Sample ID: MW-23 Lab Sample ID: 890-2449-4

Date Collected: 06/22/22 06:48 Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	58335	06/24/22 11:52	CZT	XEN STF
Total/NA	Analysis	300.0		1			58122	06/23/22 14:56	A1S	XEN STF
Total/NA	Analysis	300.0		1			58123	06/23/22 14:56	A1S	XEN STF

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Matrix: Water

Matrix: Water

Lab Chronicle

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID: 890-2449-4 Client Sample ID: MW-23

Matrix: Water

Date Collected: 06/22/22 06:48 Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	59053	06/29/22 09:30	MD	XEN STF
Total/NA	Analysis	6020A		1			59293	06/30/22 00:49	SHZ	XEN STF
Total/NA	Analysis	SM 2320B		1			58958	06/28/22 11:54	TL	XEN STF
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	59011	06/28/22 20:52	ADL	XEN STF

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Houston

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

uthority	F	Program	Identification Number	Expiration Date
exas	<u> </u>	NELAP	T104704215-22-46	06-30-22
The following analytes the agency does not of Analysis Method	• ′	out the laboratory is not certifi Matrix	ed by the governing authority. This list ma	y include analytes for v
Analysis Method	Frep Metriou			
ON 4 OO OO D				
SM 2320B		Water	Bicarbonate Alkalinity as CaCo	03
SM 2320B SM 2320B		water Water	Carbonate Alkalinity as CaCO	
			,	
SM 2320B		Water	Carbonate Alkalinity as CaCO	

Method Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

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

Sample Summary

Client: Talon/LPE Job ID: 890-2449-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2449-1	MW-21	Water	06/22/22 10:00	06/22/22 12:36	N/A
890-2449-2	MW-19	Water	06/22/22 08:58	06/22/22 12:36	N/A
890-2449-3	MW-24	Water	06/22/22 07:48	06/22/22 12:36	N/A
890-2449-4	MW-23	Water	06/22/22 06:48	06/22/22 12:36	N/A

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Matthew GOMEZ

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

eurofins

City, State ZIP: Address: Company Name:

Artesia, NM 88210 408 W. Texas Ave. Talon LPE David Adkins

City, State ZIP:

SRS# 2003-00017

Reporting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗

Level IV

Program: UST/PST 🗌 PRP 📗 Brownfields 📗 RRC 📗 Superfund 📗

Work Order Comments

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Company Name: Bill to: (if different)

Plains All American Pipeline

Attn: Camille Bryant

Project Manager:

> Xenco **Environment Testing**

Chain of Custody

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

Work Order No:

Phone: 575-441-4835	5	Email: dadkins@talonlpe.com	lpe.cor		Delive	Deliverables: EDD [_]	ADAPT LI OMET.
Project Name: Hobbs Juno	Hobbs Junction Mainline (HJM)	Turn Around			ANALYSIS REQUEST		Preservative Codes
93		√Routine	Pres.				None: NO DI Water: H ₂ O
	Lea County	Due Date:			-	_	Cool: Cool MeOH: Me
D.	Winchell	TAT starts the day received by		1			HCL: HC HNO ₃ : HN
PO#: SRS	03-00017	the lab, if received by 4:30pm	rs	zi:			H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT Tem	Temp Blank: (Yes No	Wet ice: Yes No	nete	nei			H ₃ PO ₄ : HP
Samples Received Intact: (Yes)	No Thermometer ID:	70	aran	ran	890-2449 Chain of Clistody		NaHSO ₄ : NABIS
Yes (O N/A		Pa	Pa		, waterly	Na ₂ S ₂ O ₃ : NaSO ₃
:: Yes	No N/A Temperature Reading:			1		_	Zn Acetate+NaOH: Zn
	Corrected Temperature	mperature: 1.6		IA			NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix Date Sampled	Time Depth Grab/	# of Cont	Mn			Sample Comments
12-MM	GW 6/22/22 10:80	10:00 N/A	5	*			Email Analyticals to:
MW-14		85:8		-			CJBryant@paalp.com
h2-mm		7:48					Maochoa@paalp.com
MW-23		6:48	-				
Total 200.7 / 6010 200.8	200.8 / 6020: 8F	8RCRA 13PPM Texas 11	Al Sb As	As Ba Be B Cd	Ca Cr Co Cu Fe	n Mo Ni K Se Ag S	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	be analyzed	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn	CRA	b As Ba Be Co	Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg: 1631 / 245.1 / 7470 / 7471
ce: Signature of this document and relir rvice. Eurofins Xenco will be liable only	inquishment of samples constitutions for the cost of samples and share of samples and share of the cost of samples and share of the cost of samples are samples and share of the cost of samples are s	es a valid purchase order from cli all not assume any responsibility i	ent compa or any loa	ny to Eurofins Xenco, it ses or expenses incurre	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$55 00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	andard terms and conditions umstances beyond the contro ced unless previously negotia	ated.
Relinquished by: (Signature)	A Receiven	Received by: (Signature)		Date/Time	Relinquished by: (Signature)	Received by: (Signature)	signature) □ Date/Time
			,)			

Cooler Temperature(s) °C and Other Remarks:

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Chain of Custody Record

Eurofins Carlsbad 1089 N Canal St.

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Carlsbad, NM 88220 Phone: 575-988-3199	,		i castoay ivecola	y y	5	3			=					_		America	
Client Information (Sub Contract Lab)	Sampler			Lab PM Krame	Lab PM: Kramer Jessica	<u>8</u>				<u> </u>	amer Tra	Carrier Tracking No(s)	(s):		COC No: 890-811 1		
	Phone:			E-Mail: Jessic	E-Mail: Jessica.Kramer@et.eurofinsus.com	er@et	eurofir	SUS.CC	Ę	Ø.Z	State of Origin: New Mexico	rigin: Xico			Page. Page 1 of 1		
Company: Eurofins Environment Testing South Centr				<u></u> ₹ €	Accreditations Required (See note): NELAP Texas	ons Req Texas	urred (Se	e note)	l						Job #. 890-2449-1		
Addrass: 4145 Greenbriar Dr	Due Date Requested: 6/28/2022	ij		_				Anal	ysis	Regu	Analysis Requested	l _			Preservation Codes:	odes: M Hexane	
City. Stafford	TAT Requested (days):	iys):						_								N None O AsNaO2 P Na2O4S	
State, Zip. TX, 77477	1			*			_				_				D Nitric Acid E NaHSO4	Q Na2SO3 R Na2S2O3	
Phone. 281-240-4200(Tel)	PO #:				***/-											∞ ⊢ :	cahydrate
Email:	WO #:												_	. š 1			
Project Name: HOBBS JUNCTION MAINLINE HJM	Project #: 89000047				10 89		uo	uebuej						ənletn			cify)
Site:	SSOW#.				N OS									oo to:	Other		
			Sample ((W-water, S-solid, in	benedija Misimian	RGFM_26	FE_D/ Fer	// Alkalinit //3010A (N	IOM) /9/L			_		19dmuN	Tol Market		
Sample identification - Client ID (Lab ID)	Sample Date	Sample Time			ohed		_							latoT		Special Instructions/Note:	Vote:
		X	ation	#×	X	7.143	54.4.6C				is Seek			Х		, 10 mm	
MW-21 (890-2449-1)	6/22/22	10:00 Mountain	_	Water		×	×	×	×					10			
MW-19 (890-2449-2)	6/22/22	08:58 Mountain		Water		×	×	×	×					UD.	22-1		
MW-24 (890-2449-3)	6/22/22	07:48 Mountain		Water		×	×	×	×					S			
MW-23 (890-2449-4)	6/22/22	06:48 Mountain		Water		×	×	×	×		-			ΚĊ			
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Note, Since aborations are subject to change, Euronis Environment testing South Central, LLC paces the winesting to illiestrate accreditation in the State of Origin Issed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation in the State of Origin Issed above for analysis/fests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately if all requested accreditations are current to date, return the signed Chain of Custody attesting South Central, LLC attention immediately if all requested accreditations are current.	ent Testing South Cent booke for analysis/fests entral, LLC attention is	nal, LLC places //matrix being a nmediately If ∢	ure ownership or nalyzed, the samp all requested accre	memou, and les must be editations are	yte & act shipped b current t	ack to the order of the order order order.	e Eurofi etum the	anse up ns Envi signed	onment Onment Chain o	Testing Testing	South (sy attest	atories. Sentral, L ing to sai	LC laborat d complica	ory or of ance to E	her instructions will	be provided. Any out Testing South Ce	changes to
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Unconfirmed Deliverable Boniseted: 1.11.111 IV Other (specify)	Primary Deliverable	able Rank: 2] G	Special Instructions/OC Requirements	Return To Client	lient 2/OC	الم		posal	Disposal By Lab	1	¥	Archive For	Months	
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Custody Seal No.

Custody Seals Intact. △ Yes △ No

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2449-1

List Source: Eurofins Carlsbad Login Number: 2449

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2449-1

Login Number: 2449 **List Source: Eurofins Houston** List Number: 2 List Creation: 06/23/22 11:33 AM

Creator: Milone, Jeancarlo

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2450-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 6/29/2022 9:00:02 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

results through
EO L.

Have a Question?

------ LINKS ------

Review your project

Ask— The

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Laboratory Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA

RER

RL

RPD TEF

TEQ

TNTC

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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

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Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Case Narrative

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-2450-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2450-1

Receipt

The samples were received on 6/22/2022 12:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 880-28607 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-33 (890-2450-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 880-28607 recovered outside control limits for the following analytes: Benzene, Toluene and o-Xylene.

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

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Client Sample Results

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21 Lab Sample ID: 890-2450-1

Date Collected: 06/22/22 10:00 Matrix: Water

Date Received: 06/22/22 12:36 Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.119	*1 F2	0.00200	0.000408	mg/L			06/29/22 12:03	1
Toluene	< 0.000367	U *1 F2	0.00200	0.000367	mg/L			06/29/22 12:03	1
Ethylbenzene	0.121	F2	0.00200	0.000657	mg/L			06/29/22 12:03	1
m-Xylene & p-Xylene	0.00544	F2	0.00400	0.000629	mg/L			06/29/22 12:03	1
o-Xylene	< 0.000642	U *1 F2	0.00200	0.000642	mg/L			06/29/22 12:03	1
Xylenes, Total	0.00544	F2	0.00400	0.000642	mg/L			06/29/22 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			-		06/29/22 12:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130					06/29/22 12:03	1

Total BTEX 0.245 0.00400 0.000657 mg/L 06/29/22 12:29 1

Client Sample ID: MW-19

Lab Sample ID: 890-2450-2

RL

MDL Unit

Prepared

Analyzed

Result Qualifier

Date Collected: 06/22/22 08:58 Matrix: Water

Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0266	*1	0.00200	0.000408	mg/L			06/29/22 12:29	1
Toluene	0.00962	*1	0.00200	0.000367	mg/L			06/29/22 12:29	1
Ethylbenzene	0.298		0.00200	0.000657	mg/L			06/29/22 12:29	1
m-Xylene & p-Xylene	0.122		0.00400	0.000629	mg/L			06/29/22 12:29	1
o-Xylene	0.0379	*1	0.00200	0.000642	mg/L			06/29/22 12:29	1
Xylenes, Total	0.160		0.00400	0.000642	mg/L			06/29/22 12:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			_		06/29/22 12:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130					06/29/22 12:29	1

Total BTEX 0.494 0.00400 0.000657 mg/L 06/29/22 12:29 1

Client Sample ID: MW-24

Lab Sample ID: 890-2450-3

Date Collected: 06/22/22 07:48

Date Received: 06/22/22 12:36

Matrix: Water

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *1	0.00200	0.000408	mg/L			06/29/22 12:56	1
Toluene	< 0.000367	U *1	0.00200	0.000367	mg/L			06/29/22 12:56	1
Ethylbenzene	0.00241		0.00200	0.000657	mg/L			06/29/22 12:56	1
m-Xylene & p-Xylene	0.00107	J	0.00400	0.000629	mg/L			06/29/22 12:56	1
o-Xylene	<0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 12:56	1
Xylenes, Total	0.00107	J	0.00400	0.000642	mg/L			06/29/22 12:56	1

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Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-24 Lab Sample ID: 890-2450-3

Date Collected: 06/22/22 07:48 Matrix: Water

Date Received: 06/22/22 12:36 Sample Depth: N/A

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130		06/29/22 12:56	1
1,4-Difluorobenzene (Surr)	87		70 - 130		06/29/22 12:56	1

Method: Total BTEX - Total BTEX Calculation

Result Qualifier

Total BTEX 0.00348 J 0.00400 0.000657 mg/L 06/29/22 12:29 1

RL

MDL Unit

D

Prepared

Analyzed

Client Sample ID: MW-23

Date Collected: 06/22/22 06:48

Lab Sample ID: 890-2450-4

Matrix: Water

Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *1	0.00200	0.000408	mg/L			06/29/22 13:22	1
Toluene	< 0.000367	U *1	0.00200	0.000367	mg/L			06/29/22 13:22	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/29/22 13:22	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 13:22	1
o-Xylene	<0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 13:22	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/29/22 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 _ 130			-		06/29/22 13:22	1
1,4-Difluorobenzene (Surr)	87		70 - 130					06/29/22 13:22	1

Method: Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/29/22 12:29	1

Client Sample ID: MW-28 Lab Sample ID: 890-2450-5

Date Collected: 06/21/22 12:38

Date Received: 06/22/22 12:36

Released to Imaging: 6/6/2023 4:01:08 PM

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *1	0.00200	0.000408	mg/L			06/29/22 13:48	1
Toluene	< 0.000367	U *1	0.00200	0.000367	mg/L			06/29/22 13:48	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/29/22 13:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 13:48	1
o-Xylene	< 0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 13:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/29/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			-		06/29/22 13:48	1
1,4-Difluorobenzene (Surr)	94		70 - 130					06/29/22 13:48	1
- Method: Total BTEX - Total BT	EX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/29/22 12:29	1

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Matrix: Water

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-33 Lab Sample ID: 890-2450-6

Date Collected: 06/21/22 12:04 Matrix: Water

Date Received: 06/22/22 12:36

Sample Depth: N/A

Method: 8021B - Volatile Orga	nic Compounds ((GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *1	0.00200	0.000408	mg/L			06/29/22 14:14	1
Toluene	< 0.000367	U *1	0.00200	0.000367	mg/L			06/29/22 14:14	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/29/22 14:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 14:14	1
o-Xylene	< 0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 14:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/29/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			_		06/29/22 14:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130					06/29/22 14:14	1

 Method: Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
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 Prepared
 Analyzed
 Dil Factor

 Total BTEX
 <0.000657</td>
 U
 0.00400
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 mg/L
 06/29/22 12:29
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Client Sample ID: MW-7 Lab Sample ID: 890-2450-7

Date Collected: 06/21/22 12:55 Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *1	0.00200	0.000408	mg/L			06/29/22 14:40	1
Toluene	< 0.000367	U *1	0.00200	0.000367	mg/L			06/29/22 14:40	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/29/22 14:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 14:40	1
o-Xylene	<0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 14:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/29/22 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			-		06/29/22 14:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130					06/29/22 14:40	1

 Method: Total BTEX - Total BTEX (Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/29/22 12:29	1

Client Sample ID: MW-32

Date Collected: 06/22/22 09:30

Lab Sample ID: 890-2450-8

Matrix: Water

Date Collected: 06/22/22 09:30 Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/28/22 15:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/28/22 15:13	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/28/22 15:13	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/28/22 15:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/28/22 15:13	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			06/28/22 15:13	1

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Matrix: Water

Client Sample Results

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-32 Lab Sample ID: 890-2450-8

Date Collected: 06/22/22 09:30 **Matrix: Water**

Date Received: 06/22/22 12:36 Sample Depth: N/A

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110	70 - 130		06/28/22 15:13	1
1,4-Difluorobenzene (Surr)	91	70 - 130		06/28/22 15:13	1

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Total BTEX <0.000657 U 0.00400 0.000657 mg/L 06/29/22 12:29 Client Sample ID: MW-22 Lab Sample ID: 890-2450-9

Date Collected: 06/22/22 09:10 Date Received: 06/22/22 12:36

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/28/22 15:39	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/28/22 15:39	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/28/22 15:39	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/28/22 15:39	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/28/22 15:39	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/28/22 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			-		06/28/22 15:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Method: Total BTEX - Total BTEX Calcula	ation									
1,4-Difluorobenzene (Surr)	94		70 - 130					06/28/22 15:39	1	
4-Bromofluorobenzene (Surr)	121		70 - 130					06/28/22 15:39	1	

Client Sample ID: MW-31 Lab Sample ID: 890-2450-10

0.00400

0.000657 mg/L

0.000657 mg/L

<0.000657 U

<0.000657 U

Date Collected: 06/22/22 08:45 Date Received: 06/22/22 12:36

Sample Depth: N/A

Total BTEX

Total BTEX

Released to Imaging: 6/6/2023 4:01:08 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/28/22 16:05	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/28/22 16:05	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/28/22 16:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/28/22 16:05	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			06/28/22 16:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/28/22 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			-		06/28/22 16:05	1
1,4-Difluorobenzene (Surr)	90		70 - 130					06/28/22 16:05	1

Eurofins Carlsbad

06/29/22 12:29

0.00400

Matrix: Water

Matrix: Water

06/29/22 12:29

Client Sample Results

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-18 Lab Sample ID: 890-2450-11

Date Collected: 06/21/22 01:10 Matrix: Water

Date Received: 06/22/22 12:36 Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/28/22 16:31	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/28/22 16:31	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/28/22 16:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/28/22 16:31	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			06/28/22 16:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/28/22 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			_		06/28/22 16:31	1
1,4-Difluorobenzene (Surr)	94		70 - 130					06/28/22 16:31	1

Method: Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/29/22 12:29	1	

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Surrogate Summary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				ı
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2450-1	MW-21	130	93	
890-2450-1 MS	MW-21	123	105	
890-2450-1 MSD	MW-21	127	111	
890-2450-2	MW-19	125	91	
890-2450-3	MW-24	123	87	
890-2450-4	MW-23	125	87	
890-2450-5	MW-28	127	94	
890-2450-6	MW-33	131 S1+	99	
890-2450-7	MW-7	121	96	
890-2450-8	MW-32	110	91	
890-2450-9	MW-22	121	94	
890-2450-10	MW-31	116	90	
890-2450-11	MW-18	117	94	
LCS 880-28498/3	Lab Control Sample	114	104	
LCS 880-28607/3	Lab Control Sample	111	99	
LCSD 880-28498/4	Lab Control Sample Dup	106	88	
LCSD 880-28607/4	Lab Control Sample Dup	124	114	
MB 880-28498/8	Method Blank	87	81	
MB 880-28607/8	Method Blank	95	80	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28498/8

Matrix: Water Analysis Batch: 28498 Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0000816	U	0.000400	0.0000816	mg/L			06/28/22 13:27	1
Toluene	<0.0000734	U	0.000400	0.0000734	mg/L			06/28/22 13:27	1
Ethylbenzene	<0.000131	U	0.000400	0.000131	mg/L			06/28/22 13:27	1
m-Xylene & p-Xylene	<0.000126	U	0.000800	0.000126	mg/L			06/28/22 13:27	1
o-Xylene	<0.000128	U	0.000400	0.000128	mg/L			06/28/22 13:27	1
Xylenes, Total	<0.000128	U	0.000800	0.000128	mg/L			06/28/22 13:27	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130		06/28/22 13:27	1
1,4-Difluorobenzene (Surr)	81		70 - 130		06/28/22 13:27	1

Lab Sample ID: LCS 880-28498/3

Matrix: Water

Analysis Batch: 28498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1139 mg/L 114 70 - 130 Toluene 0.100 0.1105 mg/L 111 70 - 130 0.100 0.1042 104 Ethylbenzene mg/L 70 - 130 0.200 0.2110 106 70 - 130 m-Xylene & p-Xylene mg/L

0.1110

mg/L

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-28498/4

Matrix: Water

o-Xylene

Analysis Batch: 28498

Client Sample II	D: Lab	Control	Sample Dup
		Dron T	mar Total/NIA

Prep Type: Total/NA

70 - 130

111

	Spike	LCSD	LCSD			%Rec		RPD	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09480	m	g/L	95	70 - 130	18	20	
Toluene	0.100	0.09722	m	g/L	97	70 - 130	13	20	
Ethylbenzene	0.100	0.09443	m	g/L	94	70 - 130	10	20	
m-Xylene & p-Xylene	0.200	0.1902	m	g/L	95	70 - 130	10	20	
o-Xylene	0.100	0.1005	m	g/L	100	70 - 130	10	20	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1 4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-28607/8

Matrix: Water

Analysis Batch: 28607

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			06/29/22 11:37	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/29/22 11:37	1

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID: MB 880-28607/8

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

Matrix: Water

Analysis Batch: 28607

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/29/22 11:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 11:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/29/22 11:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/29/22 11:37	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		06/29/22 11:37	1
1,4-Difluorobenzene (Surr)	80		70 - 130		06/29/22 11:37	1

Lab Sample ID: LCS 880-28607/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 28607

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0200	0.01809		mg/L		90	70 - 130	
Toluene	0.0200	0.01735		mg/L		87	70 - 130	
Ethylbenzene	0.0200	0.01649		mg/L		82	70 - 130	
m-Xylene & p-Xylene	0.0400	0.03290		mg/L		82	70 - 130	
o-Xylene	0.0200	0.01776		mg/L		89	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: LCSD 880-28607/4

Matrix: Water

Analysis Batch: 28607

Client Sample ID: Lab	Control Sample Dup
	Prep Type: Total/NA

	Бріке	LCSD	LCSD				%Rec		KPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0200	0.02285	*1	mg/L		114	70 - 130	23	20
Toluene	0.0200	0.02144	*1	mg/L		107	70 - 130	21	20
Ethylbenzene	0.0200	0.02021		mg/L		101	70 - 130	20	20
m-Xylene & p-Xylene	0.0400	0.04031		mg/L		101	70 - 130	20	20
o-Xylene	0.0200	0.02192	*1	mg/L		110	70 - 130	21	20

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	124	70 - 130
1,4-Difluorobenzene (Surr)	114	70 - 130

Lab Sample ID: 890-2450-1 MS

Matrix: Water

Analysis Batch: 28607

Client Sample ID: MW-21 Prep Type: Total/NA

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.119	*1 F2	0.0200	0.03465	4	mg/L		-420	70 - 130
Toluene	< 0.000367	U *1 F2	0.0200	0.01957		mg/L		98	70 - 130
Ethylbenzene	0.121	F2	0.0200	0.03847	4	mg/L		-410	70 - 130
m-Xylene & p-Xylene	0.00544	F2	0.0400	0.03906		mg/L		84	70 - 130

Added

0.0200

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21

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

<0.000642

Result Qualifier

U *1 F2

Lab Sample ID: 890-2450-1 MS **Matrix: Water**

Analysis Batch: 28607

Analyte

o-Xylene

Prep Type: Total/NA Sample Sample Spike MS MS %Rec

Result Qualifier

0.02100

Unit

mg/L

D

%Rec

105

Limits

70 - 130

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 123 70 - 130 105 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: 890-2450-1 MSD Client Sample ID: MW-21 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 28607

RPD
RPD Limit
142 25
140 25
136 25
134 25
137 25
_

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 127 70 - 130 1,4-Difluorobenzene (Surr) 111 70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

90-2450-1

GC VOA

Analysis Batch: 28498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2450-8	MW-32	Total/NA	Water	8021B	
890-2450-9	MW-22	Total/NA	Water	8021B	
890-2450-10	MW-31	Total/NA	Water	8021B	
890-2450-11	MW-18	Total/NA	Water	8021B	
MB 880-28498/8	Method Blank	Total/NA	Water	8021B	
LCS 880-28498/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-28498/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 28607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2450-1	MW-21	Total/NA	Water	8021B	
890-2450-2	MW-19	Total/NA	Water	8021B	
890-2450-3	MW-24	Total/NA	Water	8021B	
890-2450-4	MW-23	Total/NA	Water	8021B	
890-2450-5	MW-28	Total/NA	Water	8021B	
890-2450-6	MW-33	Total/NA	Water	8021B	
890-2450-7	MW-7	Total/NA	Water	8021B	
MB 880-28607/8	Method Blank	Total/NA	Water	8021B	
LCS 880-28607/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-28607/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2450-1 MS	MW-21	Total/NA	Water	8021B	
890-2450-1 MSD	MW-21	Total/NA	Water	8021B	

Analysis Batch: 28661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2450-1	MW-21	Total/NA	Water	Total BTEX	
890-2450-2	MW-19	Total/NA	Water	Total BTEX	
890-2450-3	MW-24	Total/NA	Water	Total BTEX	
890-2450-4	MW-23	Total/NA	Water	Total BTEX	
890-2450-5	MW-28	Total/NA	Water	Total BTEX	
890-2450-6	MW-33	Total/NA	Water	Total BTEX	
890-2450-7	MW-7	Total/NA	Water	Total BTEX	
890-2450-8	MW-32	Total/NA	Water	Total BTEX	
890-2450-9	MW-22	Total/NA	Water	Total BTEX	
890-2450-10	MW-31	Total/NA	Water	Total BTEX	
890-2450-11	MW-18	Total/NA	Water	Total BTEX	

Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21 Lab Sample ID: 890-2450-1 Date Collected: 06/22/22 10:00

Matrix: Water

Date Received: 06/22/22 12:36

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28607	06/29/22 12:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Client Sample ID: MW-19 Lab Sample ID: 890-2450-2

Date Collected: 06/22/22 08:58

Matrix: Water Date Received: 06/22/22 12:36

Batch Dil Initial Final Batch Prepared Batch Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 28607 06/29/22 12:29 XEN MID Analysis MR Total/NA Analysis **Total BTEX** 28661 06/29/22 12:29 XEN MID

Client Sample ID: MW-24 Lab Sample ID: 890-2450-3

Date Collected: 06/22/22 07:48 **Matrix: Water**

Date Received: 06/22/22 12:36

Dil Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 8021B 28607 Total/NA Analysis 06/29/22 12:56 MR XEN MID Total/NA Total BTEX 28661 Analysis 1 06/29/22 12:29 ΑJ XEN MID

Client Sample ID: MW-23 Lab Sample ID: 890-2450-4

Date Collected: 06/22/22 06:48 **Matrix: Water**

Date Received: 06/22/22 12:36

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_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28607	06/29/22 13:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Client Sample ID: MW-28 Lab Sample ID: 890-2450-5

Date Collected: 06/21/22 12:38 **Matrix: Water** Date Received: 06/22/22 12:36

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28607	06/29/22 13:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Lab Sample ID: 890-2450-6 Client Sample ID: MW-33

Date Collected: 06/21/22 12:04 **Matrix: Water** Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28607	06/29/22 14:14	MR	XEN MID
Total/NA	Analysis	Total BTFX		1			28661	06/29/22 12:29	A.I	XEN MID

Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-7 Lab Sample ID: 890-2450-7

Matrix: Water

Date Collected: 06/21/22 12:55 Date Received: 06/22/22 12:36

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28607	06/29/22 14:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Client Sample ID: MW-32 Lab Sample ID: 890-2450-8

Date Collected: 06/22/22 09:30 **Matrix: Water**

Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28498	06/28/22 15:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Client Sample ID: MW-22 Lab Sample ID: 890-2450-9

Date Collected: 06/22/22 09:10 **Matrix: Water**

Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8021B		1			28498	06/28/22 15:39	MR	XEN MID	
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID	

Client Sample ID: MW-31 Lab Sample ID: 890-2450-10

Date Collected: 06/22/22 08:45 **Matrix: Water**

Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28498	06/28/22 16:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Client Sample ID: MW-18 Lab Sample ID: 890-2450-11

Date Collected: 06/21/22 01:10 **Matrix: Water**

Date Received: 06/22/22 12:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1			28498	06/28/22 16:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28661	06/29/22 12:29	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Midland

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

Texas NELAP T104704400-21-22 06-30-22	The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes fo		Authority	Pi	rogram	Identification Number	Expiration Date
	The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for the agency does not offer certification.		Texas	N	ELAP	T104704400-21-22	06-30-22
			The following analytes	are included in this report, b	ut the laboratory is not certifie	ed by the governing authority. This list ma	ay include analytes fo
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analyte		the agency does not oner certained ton.			•	, , ,	
	Analysis Method Prep Method Matrix Analyte		0 ,		Matrix	Analyte	

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Method Summary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

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

Laboratory References:

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

Eurofins Carlsbad

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890-2450-11

Sample Summary

Client: Talon/LPE Job ID: 890-2450-1

Project/Site: Hobbs Junction Mainline (HJM)

MW-18

Lab Camada ID	Olicat Committee ID	Madeira	0-114-4	Deschool	
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2450-1	MW-21	Water	06/22/22 10:00	06/22/22 12:36	N/A
890-2450-2	MW-19	Water	06/22/22 08:58	06/22/22 12:36	N/A
890-2450-3	MW-24	Water	06/22/22 07:48	06/22/22 12:36	N/A
890-2450-4	MW-23	Water	06/22/22 06:48	06/22/22 12:36	N/A
890-2450-5	MW-28	Water	06/21/22 12:38	06/22/22 12:36	N/A
890-2450-6	MW-33	Water	06/21/22 12:04	06/22/22 12:36	N/A
890-2450-7	MW-7	Water	06/21/22 12:55	06/22/22 12:36	N/A
890-2450-8	MW-32	Water	06/22/22 09:30	06/22/22 12:36	N/A
890-2450-9	MW-22	Water	06/22/22 09:10	06/22/22 12:36	N/A
890-2450-10	MW-31	Water	06/22/22 08:45	06/22/22 12:36	N/A

Water

06/21/22 01:10

06/22/22 12:36

Relinquished by: (Signature)

MOSTINGE

23w00

begardes

celcell

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Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

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

Received by: (Signature)

eurofins

Xenco **Environment Testing**

Chain of Custody

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

Work Order No:

N

				AAAAAA.VCIIICO.COIII	35
oject Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline	Work Ord	Work Order Comments
	Talon LPE	Company Name	Attn: Camille Bryant	Program: UST/PST PRP Brownfields RRC	rownfields 🗌 RRC 🔝 Superfund 🔲
	408 W. Texas Ave.	Address:		State of Project:]
e ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2003-00017	Reporting: Level II Level III PST/UST TRRP	PST/UST TRRP Level IV
	575-441-4835	Email: dadkins@talonlpe.com	lpe.com	Deliverables: EDD AD	ADaPT Other:
oiect Name:	Hobbs Junction Mainline (HJM)	Turn Around	ANA	ANALYSIS REQUEST	Preservative Codes
oject Number:		✓Routine □Rush	Pres.		None: NO Di Water: H ₂ O
oject Location:	Lea County	Due Date:			Cool: Cool MeOH: Me
ampler's Name:	J. Flores	TAT starts the day received by			HCL: HC HNO3: HN
#		the lab, if received by 4:30pm	rs		H ₂ SO ₄ : H ₂ NaOH: Na
AMPLE RECEIPT		Wet ice: res No			H ₃ PO ₄ : HP
amples Received Intact:		5	Parar		NaHSO ₄ : NABIS
poler Custody Seals:	Yes No WA Correction Factor:	ractor:	30:	osc-2400 Chain of Custody	1020203
ample Custody Seals	Yes No (NX	Temperature Reading:			Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Sample Identification	Matrix	Time Depth Grab/	8 TE		Sample Comments
MW-21	GW 6/12/12	10:00 N/A	3 ×		Email Analyticals to:
MU-19	-				CJBryant@paalp.com
MW-24		7:48			Maochoa@paalp.com
MW-23		6:48			
82-MW	22/12/9	_			
MW-33		12:04			
MW-7		12:55			
Mw- 32	2 6/21/22				
MW-22		4:10			
18-MM		8:45			
Total 200.7 / 6010	10 200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be E	Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2	2 Na Sr TI Sn U V Zn
le Method(s) and	leta	TCLP / SPLP 6010: 8RCRA	CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471
e: Signature of this do	cument and relinquishment of samples cons	titutes a valid purchase order from clie	tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	ntractors. It assigns standard terms and conditions	
ervice. Eurofins Xenco Parofins Xenco. A minim	will be liable only for the cost of samples an num charge of \$85.00 will be applied to each	d shall not assume any responsibility f project and a charge of \$5 for each sa	service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotia	service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	

SAMPLE RECEIPT

Sampler's Name:

roject Location:

Project Number:

roject Name:

Sample Custody Seals:

Cooler Custody Seals: Samples Received Intact:

otal Containers:

Phone:

City, State ZIP: Address: Company Name:

eurofins:

City, State ZIP:

Artesia, NM 88210 408 W. Texas Ave. Talon LPE David Adkins

Address:

City, State ZIP:

SRS# 2003-00017

Bill to: (if different)

Plains All American Pipeline Attn: Camille Bryant

Company Name:

Address:

Company Name: Project Manager:

Environment Testing Xenco

Chain of Custody

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

Work Order No:

www.xenco.com Page 2 of 2	
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:	

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2450-1

Login Number: 2450 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

...

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2450-1

List Source: Eurofins Midland
List Number: 2
List Creation: 06/23/22 11:07 AM

Creator: Rodriguez, Leticia

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

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<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2454-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MRAMER

Authorized for release by: 6/30/2022 1:09:19 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

------ LINKS ------

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Laboratory Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

00	11		•
GC	v	U	А

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
В	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Negative / Absent NEG POS Positive / Present PQL Practical Quantitation Limit **PRES** Presumptive

QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count TNTC

Case Narrative

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-2454-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2454-1

Receipt

The samples were received on 6/23/2022 12:19 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 880-28608 recovered outside control limits for the following analytes: Ethylbenzene, m-Xylene & p-Xylene, o-Xylene and Xylenes, Total.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 880-28608 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8021B: The method blank for analytical batch 880-28608 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-25 Lab Sample ID: 890-2454-1

Date Collected: 06/23/22 09:07 Matrix: Water Date Received: 06/23/22 12:19

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.268	F2 F1 B	0.00200	0.000408	mg/L			06/29/22 12:43	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/29/22 12:43	1
Ethylbenzene	0.0117	F2 F1 *1	0.00200	0.000657	mg/L			06/29/22 12:43	1
m-Xylene & p-Xylene	0.00653	F2 F1 *1	0.00400	0.000629	mg/L			06/29/22 12:43	1
o-Xylene	< 0.000642	U F2 *1	0.00200	0.000642	mg/L			06/29/22 12:43	1
Xylenes, Total	0.00653	F2 F1 *1	0.00400	0.000642	mg/L			06/29/22 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			-		06/29/22 12:43	1
1,4-Difluorobenzene (Surr)	116		70 - 130					06/29/22 12:43	1

Client Sample ID: MW-13 Lab Sample ID: 890-2454-2

0.00400

RL

MDL Unit

0.000657 mg/L

Prepared

Analyzed

06/30/22 09:53

Matrix: Water

Result Qualifier

0.286

Date Collected: 06/23/22 07:25

Date Received: 06/23/22 12:19

Sample Depth: N/A

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00405	В	0.00200	0.000408	mg/L			06/29/22 13:03	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/29/22 13:03	1
Ethylbenzene	< 0.000657	U *1	0.00200	0.000657	mg/L			06/29/22 13:03	1
m-Xylene & p-Xylene	<0.000629	U *1	0.00400	0.000629	mg/L			06/29/22 13:03	1
o-Xylene	< 0.000642	U *1	0.00200	0.000642	mg/L			06/29/22 13:03	1
Xylenes, Total	<0.000642	U *1	0.00400	0.000642	mg/L			06/29/22 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130			-		06/29/22 13:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130					06/29/22 13:03	1
- Method: Total BTEX - Total BT	TEX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00405		0.00400	0.000657	mg/L			06/30/22 09:53	1

Surrogate Summary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-2454-1	MW-25	84	116	
890-2454-1 MS	MW-25	79	109	
890-2454-1 MSD	MW-25	100	103	
890-2454-2	MW-13	85	110	
_CS 880-28608/3	Lab Control Sample	80	111	
LCSD 880-28608/4	Lab Control Sample Dup	104	100	
MB 880-28608/8	Method Blank	86	110	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28608/8

Matrix: Water Analysis Batch: 28608 Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0006620	J	0.00200	0.000408	mg/L			06/29/22 12:21	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			06/29/22 12:21	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			06/29/22 12:21	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/29/22 12:21	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			06/29/22 12:21	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			06/29/22 12:21	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	_		06/29/22 12:21	1
1,4-Difluorobenzene (Surr)	110		70 - 130			06/29/22 12:21	1

Lab Sample ID: LCS 880-28608/3

Matrix: Water

Analysis Batch: 28608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1117 mg/L 112 70 - 130 Toluene 0.100 0.09153 mg/L 92 70 - 130 0.100 0.07626 76 Ethylbenzene mg/L 70 - 130 0.200 72 70 - 130 m-Xylene & p-Xylene 0.1434 mg/L 0.100 0.07624 70 - 130 o-Xylene mg/L 76

Spike

Added

0.100

0.100

0.100

0.200

0.100

LCSD LCSD

0.09219

0.1023

0.09846 *1

0.1988 *1

0.1051 *1

mg/L

Result Qualifier

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-28608/4

Matrix: Water

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 28608

Client Sample ID:	Lab Control Sample Dup
	Prep Type: Total/NA

RPD %Rec Unit %Rec Limits Limit mg/L 92 70 - 130 19 20 mg/L 102 70 - 130 11 20 mg/L 98 70 - 130 25 20 mg/L 99 70 - 130 32 20

70 - 130

105

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2454-1 MS

Matrix: Water

Analysis Batch: 28608

•	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.268	F2 F1 B	0.100	0.1071	F1	mg/L		-160	70 - 130
Toluene	<0.000367	U	0.100	0.08829		mg/L		88	70 - 130

Eurofins Carlsbad

Client Sample ID: MW-25

Prep Type: Total/NA

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QC Sample Results

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Lab Sample ID: 890-2454-1 MS

Matrix: Water Analysis Batch: 28608 Client Sample ID: MW-25 Prep Type: Total/NA

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Ethylbenzene 0.0117 F2 F1 *1 0.100 0.07380 F1 62 70 - 130 mg/L m-Xylene & p-Xylene 0.00653 F2 F1 *1 0.200 0.1392 F1 mg/L 66 70 - 130 0.100 74 o-Xylene <0.000642 U F2 *1 0.07399 mg/L 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	79		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Client Sample ID: MW-25

Prep Type: Total/NA

Analysis Batch: 28608

Matrix: Water

Lab Sample ID: 890-2454-1 MSD

Released to Imaging: 6/6/2023 4:01:08 PM

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.268 F2 F1 B 0.100 0.3135 F2 F1 Benzene mg/L 46 70 - 130 98 25 Toluene <0.000367 U 0.100 0.09812 98 70 - 130 25 mg/L 11 Ethylbenzene 0.0117 F2 F1 *1 0.100 0.1043 F2 93 70 - 130 34 25 mg/L m-Xylene & p-Xylene 0.00653 F2 F1 *1 0.200 0.1881 F2 91 70 - 130 30 25 mg/L 0.100 o-Xylene <0.000642 U F2 *1 0.09710 F2 97 70 - 130 27 mg/L

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

GC VOA

Analysis Batch: 28608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2454-1	MW-25	Total/NA	Water	8021B	_
890-2454-2	MW-13	Total/NA	Water	8021B	
MB 880-28608/8	Method Blank	Total/NA	Water	8021B	
LCS 880-28608/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-28608/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2454-1 MS	MW-25	Total/NA	Water	8021B	
890-2454-1 MSD	MW-25	Total/NA	Water	8021B	

Analysis Batch: 28735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2454-1	MW-25	Total/NA	Water	Total BTEX	
890-2454-2	MW-13	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-25 Lab Sample ID: 890-2454-1

Matrix: Water

Date Collected: 06/23/22 09:07 Date Received: 06/23/22 12:19

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28608	06/29/22 12:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28735	06/30/22 09:53	SM	XEN MID

Client Sample ID: MW-13 Lab Sample ID: 890-2454-2

Date Collected: 06/23/22 07:25 Matrix: Water

Date Received: 06/23/22 12:19

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28608	06/29/22 13:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28735	06/30/22 09:53	SM	XEN MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Midland

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

Authority	Pr	rogram	Identification Number	Expiration Date	
Texas	NI	ELAP	T104704400-21-22	06-30-22	
The following analytes	are included in this report his	ut the laboratory is not certifie	ed by the governing authority. This list ma	v include analytes for	
The following analytes	are moladed in this report, bu	at the laberatory to flot contine	sa by the governing duthonty. This list me	ay include analytes for	
the agency does not of	• •	at the laboratory to flot contine	but by the governing duthonty. This list his	ly include analytes for	
the agency does not of	fer certification.	•	, , ,	ly illicitude allalytes for	
0 ,	• •	Matrix	Analyte	y include analytes for	

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Method Summary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE Job ID: 890-2454-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2454-1	MW-25	Water	06/23/22 09:07	06/23/22 12:19	N/A
890-2454-2	MW-13	Water	06/23/22 07:25	06/23/22 12:19	N/A

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

Total 200.7 / 6010

200.8 / 6020:

8RCRA

13PPM

Texas 11 Al Sb

As Ba Be B

Relinquished by: (Signature)

Received by: (Signature)

35 22 1219

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions

TCLP / SPLP 6010: 8RCRA

Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se

Ag SiO₂ Na Sr Ti Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471

service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Eurofins Xenco. A minimum charge of \$5.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Phone:

City, State ZIP

Project Manager:

Company Name:

Chain of Custody

Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	
	www.xenco.com Page of
Plains All American Pipeline	Work Order Comments
Attn: Camille Bryant	Program: UST/PST PRP Brownfields RRC Superfund
	State of Project:
SRS# 2003-00017	Reporting: Level II Level III PST/UST TRRP Level IV
Email: dadkins@talonlpe.com	Deliverables: EDD ☐ ADaPT ☐ Other:
ANALYSIS REQ	EQUEST Preservative Codes
Pres. Code	None
	H ₂ SO ₄ . H ₂ NaOH: Na
	H₃PO₄; HP
_	NaHSO ₄ : NABIS
86	Custody
	NaOH+ASCORDIC ACID: SAPC
cont &	Sample Comments
3 ×	Email Analyticals to:
	CJBryant@paalp.com
	Maochoa@paalp.com
	3) 392-7550, Carlsbad, NM (575) 90 STEX 8021 B SRS# 2003-00017

SAMPLE RECEIPT

Sampler's Name:

Project Location:

Project Number:

Project Name:

Samples Received Intact

Cooler Custody Seals:

Total Containers: Sample Custody Seals:

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2454-1

SDG Number:

List Source: Eurofins Carlsbad Login Number: 2454

List Number: 1 Creator: Clifton, Cloe

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

<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2454-1

SDG Number:

List Source: Eurofins Midland Login Number: 2454 List Number: 2

List Creation: 06/24/22 10:57 AM

Creator: Rodriguez, Leticia

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

Released to Imaging: 6/6/2023 4:01:08 PM

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3065-1

Laboratory Sample Delivery Group: Lea County Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 10/6/2022 6:39:40 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

------ LINKS ------

Have a Question?

EOL

Ask The Expert

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) Laboratory Job ID: 890-3065-1 SDG: Lea County

Table of Contents

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

Metals

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DΙ Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Job ID: 890-3065-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3065-1

Receipt

The sample was received on 9/27/2022 12:04 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

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

HPLC/IC

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

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

General Chemistry

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

Client Sample Results

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Client Sample ID: MW-25

Date Received: 09/27/22 12:04

Lab Sample ID: 890-3065-1 Date Collected: 09/27/22 09:15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.753		0.00500	0.000453	mg/L			09/30/22 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	98		70 - 130					09/30/22 13:07	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.678		0.100	0.0391	mg/L			09/28/22 16:16	1
Sulfate	74.9		0.500	0.109	mg/L			09/28/22 16:16	1
Mothod: SW946 60204 Motolo (L	CD/MC)								
Method: SW846 6020A - Metals (In Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
									Dii i uc
Manganese	0.121		0.00200	0.000224	mg/L		10/03/22 09:30	10/05/22 22:09	1
=	0.121		0.00200	0.000224	mg/L		10/03/22 09:30	10/05/22 22:09	1
		Qualifier	0.00200 RL		mg/L Unit		10/03/22 09:30 Prepared	10/05/22 22:09 Analyzed	Dil Fac
General Chemistry Analyte		Qualifier		MDL	J	<u>D</u>			1
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM	Result	Qualifier	RL	MDL 4.00	Unit	<u>D</u>		Analyzed	1
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM	Result 259		RL 4.00	MDL 4.00 4.00	Unit mg/L	<u>D</u>		Analyzed 10/05/22 13:41	1
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM 2320B)	Result 259 259	U	RL 4.00 4.00	MDL 4.00 4.00	Unit mg/L mg/L	<u>D</u>		Analyzed 10/05/22 13:41 10/05/22 13:41	1 Dil Fac 1
General Chemistry	Result 259 259 <4.00	U	RL 4.00 4.00	4.00 4.00 4.00	Unit mg/L mg/L mg/L	<u>D</u>		Analyzed 10/05/22 13:41 10/05/22 13:41 10/05/22 13:41	1 Dil Fac 1

Surrogate Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

-			Percent Surrogate Recovery (Acceptance Limits)
		fluoroethan	
Lab Sample ID	Client Sample ID	(70-130)	
890-3065-1	MW-25	98	
LCS 860-71269/5	Lab Control Sample	103	
LCSD 860-71269/6	Lab Control Sample Dup	103	
MB 860-71269/4	Method Blank	104	
Surrogate Legend			
Trifluoroethane = Triflu	oroethane		

Prep Type: Total/NA

QC Sample Results

Job ID: 890-3065-1 Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-71269/4 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 71269

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			09/30/22 09:48	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	104		70 130			•		09/30/22 09:48	1

Lab Sample ID: LCS 860-71269/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71269

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methane			0.0199	0.01828		mg/L		92	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
Trifluoroethane	103		70 - 130							

Lab Sample ID: LCSD 860-71269/6 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71269

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methane			0.0199	0.01818		mg/L		91	70 - 130	1	30
	LCSD	LCSD									
Curromata	9/ Bassyany	Qualifier	Limita								

Surrogate %Recovery Trifluoroethane 103 70 - 130

MB MB

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-70885/3

Matrix: Water

Analysis Batch: 70885

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.109	U	0.500	0.109	mg/L			09/28/22 09:35	1

Lab Sample ID: LCS 860-70885/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 70885

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Sulfate	10.0	9.211	,	mg/L		92	90 - 110	

Lab Sample ID: LCSD 860-70885/7 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 70885

LCSD LCSD RPD Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec **RPD** Limit Sulfate 10.0 9.259 93 90 - 110 mg/L

Eurofins Carlsbad

Client Sample ID: Method Blank

Prep Type: Total/NA

Lab Sample ID: LLCS 860-70885/5

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Client Sample ID: Lab Control Sample

50 - 150

105

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Water Prep Type: Total/NA Analysis Batch: 70885 Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

0.500

Lab Sample ID: MB 860-70886/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

0.5271

mg/L

Analysis Batch: 70886

Sulfate

MB MB Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Nitrate as N <0.0391 U 0.100 0.0391 mg/L 09/28/22 09:35

Lab Sample ID: LCS 860-70886/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 70886

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate as N 10.0 9.433 mg/L 80 - 120

Lab Sample ID: LCSD 860-70886/7 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 70886

LCSD LCSD RPD Spike %Rec Added Limit Analyte Result Qualifier Unit %Rec Limits RPD Nitrate as N 10.0 9.480 80 - 120 20 mg/L

Lab Sample ID: LLCS 860-70886/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 70886

LLCS LLCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate as N 0.100 0.1169 mg/L 117 50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71539/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 72185** Prep Batch: 71539

MB MB

Result Qualifier RL MDL Unit D Dil Fac Analyte Prepared Analyzed < 0.000224 0.00200 10/03/22 09:30 Manganese 0.000224 mg/L 10/05/22 21:33

Lab Sample ID: LCS 860-71539/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 72185

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits

Analyte Manganese 0.100 0.1081 mg/L 108 80 - 120

Eurofins Carlsbad

Prep Batch: 71539

Job ID: 890-3065-1

mg/L

99

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

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

Lab Sample ID: LCSD 860-71539/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 72185** Prep Batch: 71539 Spike LCSD LCSD

RPD Analyte babbA Result Qualifier %Rec Limits RPD Limit Unit Manganese 0.100 0.1071 mg/L 107 80 - 120 20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-72051/4 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 72051

MB MB Result Qualifier RL MDL Unit Analyzed Dil Fac Analyte D Prepared <4.00 U 4.00 10/05/22 11:31 Alkalinity 4.00 mg/L Bicarbonate Alkalinity as CaCO3 <4.00 U 4.00 4 00 mg/L 10/05/22 11:31 Carbonate Alkalinity as CaCO3 <4.00 U 4.00 4.00 mg/L 10/05/22 11:31 Hydroxide Alkalinity <4.00 U 4.00 4.00 mg/L 10/05/22 11:31 4.00 Phenolphthalein Alkalinity <4.00 U 10/05/22 11:31 4.00 mg/L

Lab Sample ID: LCS 860-72051/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 72051

Spike LCS LCS %Rec Added Result Qualifier Analyte %Rec Limits Unit D 250 247 1 85 - 115

Lab Sample ID: LCSD 860-72051/6 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Alkalinity

Analysis Batch: 72051

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Alkalinity	250	247.1		mg/L	_	99	85 - 115	0	20

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

Lab Sample ID: MB 860-71633/3 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 71633

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Ferrous Iron <0.0280 U 0.0500 0.0280 mg/L 10/03/22 13:10

Lab Sample ID: LCS 860-71633/4 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71633

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Ferrous Iron 1.00 0.8800 mg/L 88 75 - 125

Prep Type: Total/NA

Lab Sample ID: LCSD 860-71633/5

QC Sample Results

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 71633

Matrix: Water

	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	%Rec	Limits	RPD	Limit
Ferrous Iron	1.00	0.8900		mg/L	89	75 - 125	1	25

QC Association Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

GC VOA

Analysis Batch: 71269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	RSK-175	
MB 860-71269/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-71269/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-71269/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 70885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-3065-1	MW-25	Total/NA	Water	300.0	
MB 860-70885/3	Method Blank	Total/NA	Water	300.0	
LCS 860-70885/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-70885/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-70885/5	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 70886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	300.0	
MB 860-70886/3	Method Blank	Total/NA	Water	300.0	
LCS 860-70886/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-70886/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-70886/4	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 71539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	3010A	·
MB 860-71539/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71539/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71539/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 72185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	6020A	71539
MB 860-71539/1-A	Method Blank	Total/NA	Water	6020A	71539
LCS 860-71539/2-A	Lab Control Sample	Total/NA	Water	6020A	71539
LCSD 860-71539/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71539

General Chemistry

Analysis Batch: 71633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	SM 3500 FE D	
MB 860-71633/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-71633/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-71633/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 72051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3065-1	MW-25	Total/NA	Water	SM 2320B	
MB 860-72051/4	Method Blank	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 72051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-72051/5	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-72051/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Talon/LPE

Job ID: 890-3065-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Client Sample ID: MW-25

Lab Sample ID: 890-3065-1

Matrix: Water

Date Collected: 09/27/22 09:15 Date Received: 09/27/22 12:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	71269	09/30/22 13:07	CZT	EET HOU
Total/NA	Analysis	300.0		1			70885	09/28/22 16:16	A1S	EET HOU
Total/NA	Analysis	300.0		1			70886	09/28/22 16:16	A1S	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	71539	10/03/22 09:30	MD	EET HOU
Total/NA	Analysis	6020A		1			72185	10/05/22 22:09	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			72051	10/05/22 13:41	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	71633	10/03/22 13:10	SCI	EET HOU

Laboratory References:

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

Eurofins Carlsbad

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Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Laboratory: Eurofins Houston

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

Authority	Pr	rogram	Identification Number	Expiration Date	
Texas	NF	ELAP	T104704215-22-47	06-30-23	
The following analytes the agency does not of	•	ut the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for whic	
Analysis Method	Prep Method	Matrix	Analyte		
SM 2320B		Water	Bicarbonate Alkalinity as CaCo	03	
SM 2320B		Water	Carbonate Alkalinity as CaCO3	3	
			Hydroxide Alkalinity		
SM 2320B		Water	nydroxide Aikaiinity		
		Water Water	Phenolphthalein Alkalinity		

Method Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

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

Sample Summary

Client: Talon/LPE Job ID: 890-3065-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3065-1	MW-25	Water	09/27/22 09:15	09/27/22 12:04

Chain of Custody

Environment Testing	Houston, T Midland, TX	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No:
	Hobbs, NM	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xen <u>co.com</u> Page of
Project Manager: David Adkins	Bill to: (if different)	Plains All American Pipeline	on
	Company Name:	Attn: Camille Bryant	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund
Address: 408 Texas St.	Address:		
le ZIP:	City, State ZIP:	SRS# 2003-00017	Reporting: Level III Devel III PST/UST TRRP Level IV
575-441-4835	Email: dadkins@talonipe.com	<u>iom</u>	Deliverables: EDD ADaPT Other:
Name: Hobbs Junction Mainline (HJM)	Turn Around	ANALYSIS RI	EQUEST Preservative Codes
ar: IRout	Rush Code		None: NO DI Water: H ₂ O
Project Location: Lea, County Due Date:			Cool: Cool MeOH: Me
M. bomez, K. Taulor	TAT starts the day received by		HCL: HC HNO ₃ : HN
SRS# 2003-00017		-	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT Temp Blank: Yes No Wet Ice:	Ves No		H₃PO₄: HP
act: (res No	Para Para		NaHSO4: NABIS
Sample Custody Seals: Yes No N/A Temperature Reading:	0.0		Zn Acetate+NaOH: Zn
	8.1.8	aramo Coc-3065 Chain of Custo	NaOH+Ascorbic Acid: SAPC
Sample identification Matrix Sampled Sampled	Depth Grab/ # of Comp Cont	MNA Pa	Sample Comments
MU-25 GW 9/27/22 9:15	N/A 5	X	Email Analyticals to:
			CJBryant@paalp.com
			Maochoa@paalp.com
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13 Circle Method(s) and Metal(s) to be analyzed TCLP /	CRA 13PPM Texas 11 AITCLP / SPLP 6010: 8RCRA	Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni S	b Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	purchase order from client course any responsibility for an charge of \$5 for each sample	ompany to Eurofins Xenco, its affiliates and subcontractors. y losses or expenses incurred by the client if such losses at submitted to Eurofins Xenco, but not analyzed. These terms	It assigns standard terms and conditions re due to circumstances beyond the control s will be enforced unless previously negotiated.
Relinquished by: (Signature) Received by: (Signature)	nature)	Date/Time Relinquished by: (Signature)	nature) Received by: (Signature) Date∏ime
" Mathan bonez Junarela &	tet 9/1	127/22 12:01	
Un C		0	

Revised Date: 08/25/2020 Rev. 2020.2

10/6/2022

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3065-1 SDG Number: Lea County

Login Number: 3065 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3065-1 SDG Number: Lea County

Login Number: 3065 **List Source: Eurofins Houston** List Number: 2 List Creation: 09/28/22 02:59 PM

Creator: Bolch, Taylor

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

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3066-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 10/10/2022 11:22:01 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Have a Question?

------ LINKS ------

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Ask— The Expert

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Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Laboratory Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA

Qualifier Qualifier Description

*+ LCS and/or LCSD is outside acceptance limits, high biased.

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

z Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-3066-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3066-1

Receipt

The samples were received on 9/27/2022 12:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

Method 8021B: The method blank for analytical batch 880-36389 contained Benzene, Toluene and m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-28 Lab Sample ID: 890-3066-1

Date Collected: 09/27/22 08:25 Matrix: Water

Date Received: 09/27/22 12:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 22:00	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/07/22 22:00	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/07/22 22:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 22:00	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 22:00	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			-		10/07/22 22:00	1
1,4-Difluorobenzene (Surr)	85		70 - 130					10/07/22 22:00	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	П	0.00400	0.000657	mg/L			10/08/22 09:14	1

Client Sample ID: MW-33 Lab Sample ID: 890-3066-2

Date Collected: 09/27/22 08:34 Matrix: Water

Date Received: 09/27/22 12:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 22:21	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/07/22 22:21	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 22:21	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 22:21	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 22:21	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			_		10/07/22 22:21	1
1,4-Difluorobenzene (Surr)	87		70 - 130					10/07/22 22:21	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/08/22 09:14	1

Client Sample ID: MW-25

Date Collected: 09/27/22 09:15

Lab Sample ID: 890-3066-3

Matrix: Water

Date Received: 09/27/22 12:04

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.392	В	0.00200	0.000408	mg/L			10/07/22 22:41	1
Toluene	0.000603	JB	0.00200	0.000367	mg/L			10/07/22 22:41	1
Ethylbenzene	0.00666		0.00200	0.000657	mg/L			10/07/22 22:41	1
m-Xylene & p-Xylene	0.00321	JB	0.00400	0.000629	mg/L			10/07/22 22:41	1
o-Xylene	< 0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 22:41	1
Xylenes, Total	0.00321	JB	0.00400	0.000642	mg/L			10/07/22 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			-		10/07/22 22:41	1
1,4-Difluorobenzene (Surr)	123		70 - 130					10/07/22 22:41	1

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Matrix: Water

10/07/22 23:02

Client Sample Results

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-25 Lab Sample ID: 890-3066-3

Date Collected: 09/27/22 09:15 Matrix: Water

Date Received: 09/27/22 12:04

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	0.402		0.00400	0.000657	mg/L			10/08/22 09:14	1

Client Sample ID: MW-7 Lab Sample ID: 890-3066-4

Date Collected: 09/27/22 10:20 Date Received: 09/27/22 12:04

1,4-Difluorobenzene (Surr)

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00195	JB	0.00200	0.000408	mg/L			10/07/22 23:02	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/07/22 23:02	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/07/22 23:02	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 23:02	1
o-Xylene	< 0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 23:02	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			-		10/07/22 23:02	1

Method: TAL SOP Total BTEX - To	otal BTEX Calculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

70 - 130

90

Total BTEX 0.00195 J 0.00400 0.000657 mg/L 10/08/22 09:14

Surrogate Summary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3066-1	MW-28	109	85	
890-3066-2	MW-33	89	87	
890-3066-3	MW-25	101	123	
890-3066-4	MW-7	95	90	
_CS 880-36389/3	Lab Control Sample	98	97	
LCSD 880-36389/4	Lab Control Sample Dup	119	102	
MB 880-36389/7	Method Blank	84	93	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36389/7 **Matrix: Water**

Analysis Batch: 36389

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0005790	J	0.00200	0.000408	mg/L			10/07/22 16:52	1
Toluene	0.0005435	J	0.00200	0.000367	mg/L			10/07/22 16:52	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/07/22 16:52	1
m-Xylene & p-Xylene	0.0009537	J	0.00400	0.000629	mg/L			10/07/22 16:52	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			10/07/22 16:52	1
Xylenes, Total	0.0009537	J	0.00400	0.000642	mg/L			10/07/22 16:52	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	_		10/07/22 16:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130			10/07/22 16:52	1

Lab Sample ID: LCS 880-36389/3

Matrix: Water

Analysis Batch: 36389

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1093 mg/L 109 70 - 130 Toluene 0.100 0.09913 mg/L 99 70 - 130 0.100 0.09564 70 - 130 Ethylbenzene mg/L 96 0.200 0.1999 100 70 - 130 m-Xylene & p-Xylene mg/L 0.100 0.1117 70 - 130 o-Xylene mg/L 112

LCS LCS

Surrogate	%Recovery Qualified	r Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: LCSD 880-36389/4

Matrix: Water

Analysis Batch: 36389

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	Spike	LCSD LCSD				%Rec		RPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1054	mg/L		105	70 - 130	4	20	
Toluene	0.100	0.1037	mg/L		104	70 - 130	5	20	
Ethylbenzene	0.100	0.1100	mg/L		110	70 - 130	14	20	
m-Xylene & p-Xylene	0.200	0.2439	mg/L		122	70 - 130	20	20	
o-Xylene	0.100	0.1370 *+	mg/L		137	70 - 130	20	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

GC VOA

Analysis Batch: 36389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3066-1	MW-28	Total/NA	Water	8021B	
890-3066-2	MW-33	Total/NA	Water	8021B	
890-3066-3	MW-25	Total/NA	Water	8021B	
890-3066-4	MW-7	Total/NA	Water	8021B	
MB 880-36389/7	Method Blank	Total/NA	Water	8021B	
LCS 880-36389/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36389/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Ba	itch
890-3066-1	MW-28	Total/NA	Water	Total BTEX	_
890-3066-2	MW-33	Total/NA	Water	Total BTEX	
890-3066-3	MW-25	Total/NA	Water	Total BTEX	
890-3066-4	MW-7	Total/NA	Water	Total BTEX	

Matrix: Water

Matrix: Water

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-28 Lab Sample ID: 890-3066-1

Date Collected: 09/27/22 08:25 **Matrix: Water**

Date Received: 09/27/22 12:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 22:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36436	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW-33 Lab Sample ID: 890-3066-2

Date Collected: 09/27/22 08:34

Date Received: 09/27/22 12:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 22:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36436	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW-25 Lab Sample ID: 890-3066-3

Date Collected: 09/27/22 09:15

Date Received: 09/27/22 12:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 22:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36436	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW-7 Lab Sample ID: 890-3066-4 **Matrix: Water**

Date Collected: 09/27/22 10:20

Date Received: 09/27/22 12:04

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 23:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36436	10/08/22 09:14	AJ	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Midland

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

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-24	06-30-23
The following englytee	are included in this report by	ut the laboratory is not cortific	ed by the governing authority. This list ma	
The following analytes	are included in this report, bu	ut the laboratory is not certilit	su by the governing authority. This list the	ay include analytes for
the agency does not of		at the laboratory is not certific	ed by the governing admonty. This list has	ay include analytes for
0 ,		Matrix	Analyte	ay include analytes for

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Method Summary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

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Sample Summary

Client: Talon/LPE Job ID: 890-3066-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3066-1	MW-28	Water	09/27/22 08:25	09/27/22 12:04
890-3066-2	MW-33	Water	09/27/22 08:34	09/27/22 12:04
890-3066-3	MW-25	Water	09/27/22 09:15	09/27/22 12:04
890-3066-4	MW-7	Water	09/27/22 10:20	09/27/22 12:04

Relinquished by: (Signature)

Muthow bonez

a marray

gael cellelb

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Received by: (Signature)

Chain of Custody

eurofins Environment Testing Xenco		Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Work Order No:
	Hobbs,	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com Pageof
Project Manager: David Adkins	Bill to: (if different)	Plains All American Pipeline	Work Order Comments
	Company Name:	Attn: Camille Bryant	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
Address: 408 Texas St.	Address:		State of Project:
e ZIP:	City, State ZIP:	SRS# 2003-00017	Reporting: Level II 🗌 Level III 🗍 PST/UST 📗 TRRP 📗 Level IV
	Email: dadkins@talonipe.com	e.com	Deliverables: EDD ☐ ADaPT ☐ Other:
Project Name: Hobbs Junction Mainline (HJM)	Turn Around	ANALYSIS RE	QUEST Preservative Codes
'n.	3	Pres.	None: NO DI Water: H ₂ O
: Lea, County	Due Date:		Cool: Cool MeOH: Me
M. GAMCZ, K. Taulor	TAT starts the day received by		HCL: HC HNO3: HN
	the lab, if received by 4:30pm	rs	H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT Temp Blank: (Yes) No	Wet ice: Yes) No	mete	H₃PO₄; HP
Samples Received Intact: (es) No Thermometer ID:	Prid: Tom OD'T	arar	NaHSO ₄ : NABIS
Cooler Custody Seals: Yes No No Correction Factor:			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals: Yes No (N/A) Temperature Reading: Total Containers: Corrected Temperature:	e Reading:	21B	NaOH+Ascorbic Acid: SAPC
dentification Matrix	Depth Grab/	TEX 80	Sample Comments
MIJ-78 GW 9/27/72	Z N	X	Email Analyticals to:
	8:34		CJBryant@paalp.com
MW-25	9:15		Maochoa@paalp.com
MW-7	10:20		
Total 200.7 / 6010 200.8 / 6020: 8F	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb	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	Ni Se Ag TI U Hg: 1631/245.1/7470 /7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco wit 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	itutes a valid purchase order from clie shall not assume any responsibility fo	t company to Eurofins Xenco, its affiliates and subcontractors. I any losses or expenses incurred by the client if such losses are	It assigns standard terms and conditions re due to circumstances beyond the control
of Eurofins Xenco. A minimum charge of \$5.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	roject and a charge of \$5 for each san	ple submitted to Eurofins Xenco, but not analyzed. These terms	will be enforced unless previously negotiated.

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3066-1

Login Number: 3066 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3066-1

Login Number: 3066 **List Source: Eurofins Midland** List Number: 2 List Creation: 09/28/22 10:31 AM

Creator: Rodriguez, Leticia

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3097-1

Laboratory Sample Delivery Group: Lea County Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 10/6/2022 6:47:01 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Have a Question?

EOL

------ LINKS ------

Review your project results through

Expert

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) Laboratory Job ID: 890-3097-1 SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

Metals

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DΙ Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Job ID: 890-3097-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3097-1

Receipt

The sample was received on 9/28/2022 12:18 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

GC VOA

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

HPLC/IC

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

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

General Chemistry

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

Client Sample Results

Job ID: 890-3097-1 Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Client Sample ID: MW-21

Lab Sample ID: 890-3097-1 Date Collected: 09/28/22 10:15

Matrix: Water

Date Received: 09/28/22 12:18									rrate
Method: RSK-175 - Dissolved Gas	ses (GC)								
Analyte	. ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Methane	0.627		0.00500	0.000453	mg/L			09/30/22 13:24	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
Trifluoroethane	98		70 - 130					09/30/22 13:24	
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Nitrate as N	0.496		0.100	0.0391	mg/L			09/29/22 21:59	
Sulfate	56.0		0.500	0.109	mg/L			09/29/22 21:59	
: 	on (110)								
Method: SW846 6020A - Metals (In Analyte	•	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	0.00200	0.000224			10/03/22 09:30	10/05/22 20:11	
Manganese	0.0691		0.00200	0.000224	mg/L		10/03/22 09.30	10/05/22 20.11	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Alkalinity (SM 2320B)	231		4.00	4.00	mg/L			10/06/22 14:08	
Bicarbonate Alkalinity as CaCO3 (SM	231		4.00	4.00	mg/L			10/06/22 14:08	
2320B)									
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/06/22 14:08	
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/06/22 14:08	
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/06/22 14:08	
Ferrous Iron (SM 3500 FE D)	0.0900	HF	0.0500	0.0280	mg/L			10/03/22 13:10	

Surrogate Summary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		fluoroethan	
Lab Sample ID	Client Sample ID	(70-130)	
890-3097-1	MW-21	98	
LCS 860-71269/5	Lab Control Sample	103	
LCSD 860-71269/6	Lab Control Sample Dup	103	
MB 860-71269/4	Method Blank	104	
Surrogate Legend			

QC Sample Results

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

09/30/22 09:48

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-71269/4 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71269

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			09/30/22 09:48	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	l imits				Prenared	Analyzed	Dil Fac

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 860-71269/5

70 - 130

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71269

Trifluoroethane

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits

0.0199 92 Methane 0.01828 mg/L 70 - 130LCS LCS

104

MB MB

Qualifier Surrogate %Recovery Limits Trifluoroethane 103 70 - 130

Lab Sample ID: LCSD 860-71269/6 Client Sample ID: Lab Control Sample Dup

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71269

RPD Spike LCSD LCSD %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Methane 0.0199 0.01818 91 70 - 130 30 mg/L

LCSD LCSD Surrogate %Recovery Qualifier Limits Trifluoroethane 103 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-71148/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71148

Result Qualifier RL MDL Unit Analyte D Prepared Analyzed Dil Fac Sulfate <0.109 U 0.500 0.109 mg/L 09/29/22 10:03

Lab Sample ID: LCS 860-71148/6 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71148

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Sulfate 10.0 9.206 90 - 110 mg/L

Lab Sample ID: LCSD 860-71148/7 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71148

LCSD LCSD RPD Spike %Rec Limits

Added Qualifier Analyte Result Unit %Rec RPD Limit Sulfate 10.0 9.229 92 90 - 110 0 mg/L

QC Sample Results

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-71148/5 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71148

Sulfate

Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits

0.500

Lab Sample ID: MB 860-71149/3 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

0.5277

mg/L

106

50 - 150

Analysis Batch: 71149 MB MB

Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Nitrate as N <0.0391 U 0.100 0.0391 mg/L 09/29/22 10:03

Lab Sample ID: LCS 860-71149/6 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71149

LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits 9.636 Nitrate as N 10.0 mg/L 80 - 120

Lab Sample ID: LCSD 860-71149/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71149 LCSD LCSD Spike

RPD %Rec Result Qualifier Added RPD Limit Analyte Unit %Rec Limits Nitrate as N 10.0 9.663 80 - 120 20 mg/L

Lab Sample ID: LLCS 860-71149/4 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71149

LLCS LLCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits 0.100 Nitrate as N 0.1076 mg/L 108 50 - 150

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71541/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71897 Prep Batch: 71541 MB MB

Result Qualifier RL MDL Unit Dil Fac Analyte Prepared Analyzed < 0.000224 0.00200 10/03/22 09:30 Manganese 0.000224 mg/L 10/04/22 23:53

Lab Sample ID: MB 860-71541/1-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA **Analysis Batch: 72084** Prep Batch: 71541

MB MB Result Qualifier RLMDL Unit D Dil Fac

Analyte Prepared Analyzed Manganese < 0.000224 U 0.00200 0.000224 mg/L 10/03/22 09:30 10/05/22 19:25

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

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

Lab Sample ID: LCS 860-71541/2-A					Client	Sample	ID: Lab Control Sample
Matrix: Water							Prep Type: Total/NA
Analysis Batch: 71897							Prep Batch: 71541
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits

Manganese 0.100 0.1019 mg/L 102 80 - 120 Lab Sample ID: LCS 860-71541/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 72084** Prep Batch: 71541

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Manganese 0.100 0.09490 mg/L 95 80 - 120

Lab Sample ID: LCSD 860-71541/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 71897 Prep Batch: 71541 LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit Limits RPD Limit 0.100 0.1074 Manganese mg/L 107 80 - 120

Lab Sample ID: LCSD 860-71541/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 72084 Prep Batch: 71541 LCSD LCSD Spike %Rec **RPD** Added Result Qualifier %Rec Limit Analyte Unit Limits Manganese 0.100 0.1051 105 80 - 120 10 20 mg/L

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-72221/4 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 72221

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			10/06/22 11:48	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			10/06/22 11:48	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			10/06/22 11:48	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			10/06/22 11:48	1
Phenolphthalein Alkalinity	<4.00	U	4.00	4.00	mg/L			10/06/22 11:48	1

Lab Sample ID: LCS 860-72221/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 72221

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit	%Rec	Limits	
Alkalinity	 250	247.2		mg/L	 99	85 - 115	

Lab Sample ID: LCSD 860-72221/6 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 72221** Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits RPD Limit Unit %Rec 250 248.8 Alkalinity 100 85 - 115 mg/L

QC Sample Results

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

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

Lab Sample ID: MB 860-71633/3 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71633

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			10/03/22 13:10	1

Lab Sample ID: LCS 860-71633/4 **Client Sample ID: Lab Control Sample**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 71633

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Ferrous Iron 1.00 0.8800 mg/L 88 75 - 125

Lab Sample ID: LCSD 860-71633/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71633

LCSD LCSD %Rec RPD Spike Limit Analyte Added Result Qualifier Unit Limits **RPD** Ferrous Iron 1.00 0.8900 75 - 125 25 mg/L

QC Association Summary

Client: Talon/LPE

Job ID: 890-3097-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

GC VOA

Analysis Batch: 71269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	RSK-175	
MB 860-71269/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-71269/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-71269/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 71148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
890-3097-1	MW-21	Total/NA	Water	300.0	
MB 860-71148/3	Method Blank	Total/NA	Water	300.0	
LCS 860-71148/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71148/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71148/5	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 71149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	300.0	
MB 860-71149/3	Method Blank	Total/NA	Water	300.0	
LCS 860-71149/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71149/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71149/4	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 71541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	3010A	
MB 860-71541/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 71897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-71541/1-A	Method Blank	Total/NA	Water	6020A	71541
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	6020A	71541
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71541

Analysis Batch: 72084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	6020A	71541
MB 860-71541/1-A	Method Blank	Total/NA	Water	6020A	71541
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	6020A	71541
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71541

General Chemistry

Analysis Batch: 71633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	SM 3500 FE D	
MB 860-71633/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-71633/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	

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QC Association Summary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 71633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-71633/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 72221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3097-1	MW-21	Total/NA	Water	SM 2320B	· ·
MB 860-72221/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-72221/5	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-72221/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Talon/LPE

Job ID: 890-3097-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Client Sample ID: MW-21

Lab Sample ID: 890-3097-1

Matrix: Water

Date Collected: 09/28/22 10:15 Date Received: 09/28/22 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	71269	09/30/22 13:24	CZT	EET HOU
Total/NA	Analysis	300.0		1			71148	09/29/22 21:59	A1S	EET HOU
Total/NA	Analysis	300.0		1			71149	09/29/22 21:59	A1S	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Total/NA	Analysis	6020A		1			72084	10/05/22 20:11	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			72221	10/06/22 14:08	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	71633	10/03/22 13:10	SCI	EET HOU

Laboratory References:

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

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Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Laboratory: Eurofins Houston

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

thority	Pi	rogram	Identification Number	Expiration Date
xas	N	ELAP	T104704215-22-47	06-30-23
the agency does not of	er certification.	,	ed by the governing authority. This list ma	y include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
		Water	Bicarbonate Alkalinity as CaCC	12
SM 2320B		vvalei	Dicarbonate Atkaimity as Cacc	<i>7</i> 3
SM 2320B SM 2320B		Water	Carbonate Alkalinity as CaCO3	
			•	
SM 2320B		Water	Carbonate Alkalinity as CaCO3	

Method Summary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

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

Sample Summary

Client: Talon/LPE Job ID: 890-3097-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Lab Sample ID Client Sample ID Matrix Received Collected 890-3097-1 MW-21 Water 09/28/22 10:15 09/28/22 12:18

matthew barrez

eurofins

Environment Testing Xenco

Company Name:

David Adkins Talon LPE

Company Name: Bill to: (if different)

Attn: Camille Bryant Plains All American Pipeline

SRS# 2003-00017

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-129 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-319

334	WORK Order NO.	
36		
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	www.xenco.com Page of of	
	Work Order Comments	
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐	
	State of Project:	
	Reporting: Level II	

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3097-1

SDG Number: Lea County

Login Number: 3097 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3097-1

SDG Number: Lea County

List Source: Eurofins Houston
List Number: 2
List Creation: 09/29/22 06:26 PM

Creator: Bolch, Taylor

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

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3098-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 10/10/2022 11:23:04 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Have a Question?

Ask
The

------ LINKS ------

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Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE Laboratory Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA	
Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
а	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit
PRES Presumptive
QC Quality Control

NEG

POS

RER Relative Error Ratio (Radiochemistry)

Negative / Absent

Positive / Present

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-3098-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3098-1

Receipt

The samples were received on 9/28/2022 12:18 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

GC VOA

Method 8021B: The method blank for analytical batch 880-36389 contained Benzene, Toluene and m-Xylene & p-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-32 Lab Sample ID: 890-3098-1

Date Collected: 09/28/22 09:30 **Matrix: Water**

Date Received: 09/28/22 12:18

Sample Depth: n/a

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 23:22	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/07/22 23:22	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/07/22 23:22	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 23:22	1
o-Xylene	< 0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 23:22	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			-		10/07/22 23:22	1
1,4-Difluorobenzene (Surr)	75		70 - 130					10/07/22 23:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit Prepared Analyzed Total BTEX <0.000657 U 0.00400 0.000657 mg/L 10/08/22 09:14

Client Sample ID: MW-22 Lab Sample ID: 890-3098-2

Date Collected: 09/28/22 09:45

Date Received: 09/28/22 12:18

Sample Depth: n/a

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/07/22 23:42	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/07/22 23:42	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/07/22 23:42	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/07/22 23:42	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/07/22 23:42	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/07/22 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			-		10/07/22 23:42	1
1,4-Difluorobenzene (Surr)	83		70 - 130					10/07/22 23:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/08/22 09:14	1

Client Sample ID: MW-21 Lab Sample ID: 890-3098-3 **Matrix: Water**

Date Collected: 09/28/22 10:15 Date Received: 09/28/22 12:18

Sample Depth: n/a

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/08/22 00:03	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/08/22 00:03	1
Ethylbenzene	0.00102	J	0.00200	0.000657	mg/L			10/08/22 00:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/08/22 00:03	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/08/22 00:03	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			10/08/22 00:03	1

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Matrix: Water

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-21 Lab Sample ID: 890-3098-3

Date Collected: 09/28/22 10:15 Matrix: Water

Date Received: 09/28/22 12:18

Sample Depth: n/a

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		10/08/22 00:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130		10/08/22 00:03	1

 Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result Total BTEX
 Qualifier
 RL
 MDL Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 0.00102
 J
 0.00400
 0.000657
 mg/L
 10/08/22 09:14
 1

Client Sample ID: MW31 Lab Sample ID: 890-3098-4

Date Collected: 09/28/22 10:18 Matrix: Water

Date Received: 09/28/22 12:18

Sample Depth: n/a

Mathada OMO4C 0004P Valatila Organia Commanda (CC)

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/08/22 00:23	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/08/22 00:23	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/08/22 00:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/08/22 00:23	1
o-Xylene	<0.000642	U *+	0.00200	0.000642	mg/L			10/08/22 00:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/08/22 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 _ 130			-		10/08/22 00:23	1
1,4-Difluorobenzene (Surr)	78		70 - 130					10/08/22 00:23	1

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/08/22 09:14	1

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Released to Imaging: 6/6/2023 4:01:08 PM

Surrogate Summary

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3098-1	MW-32	105	75	
890-3098-2	MW-22	99	83	
890-3098-3	MW-21	96	84	
890-3098-4	MW31	113	78	
LCS 880-36389/3	Lab Control Sample	98	97	
LCSD 880-36389/4	Lab Control Sample Dup	119	102	
MB 880-36389/7	Method Blank	84	93	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36389/7 **Matrix: Water**

Analysis Batch: 36389

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0005790	J	0.00200	0.000408	mg/L			10/07/22 16:52	1
Toluene	0.0005435	J	0.00200	0.000367	mg/L			10/07/22 16:52	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/07/22 16:52	1
m-Xylene & p-Xylene	0.0009537	J	0.00400	0.000629	mg/L			10/07/22 16:52	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/07/22 16:52	1
Xylenes, Total	0.0009537	J	0.00400	0.000642	mg/L			10/07/22 16:52	1

MB MB %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 70 - 130 4-Bromofluorobenzene (Surr) 10/07/22 16:52 84 1,4-Difluorobenzene (Surr) 93 70 - 130 10/07/22 16:52

Lab Sample ID: LCS 880-36389/3

Matrix: Water

Analysis Batch: 36389

Client Sample ID: Lab Control Sample Prep Type: Total/NA

ı		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.1093		mg/L		109	70 - 130	
	Toluene	0.100	0.09913		mg/L		99	70 - 130	
	Ethylbenzene	0.100	0.09564		mg/L		96	70 - 130	
	m-Xylene & p-Xylene	0.200	0.1999		mg/L		100	70 - 130	
	o-Xylene	0.100	0.1117		mg/L		112	70 - 130	
ı									

LCS LCS %Recovery Qualifier Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 98 97 70 - 130 1,4-Difluorobenzene (Surr)

Lab Sample ID: LCSD 880-36389/4

Matrix: Water

Analysis Batch: 36389

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

	Spike	LCSD LCSI	D		%Rec		RPD
Analyte	Added	Result Qual	ifier Unit	D %R	ec Limits	RPD	Limit
Benzene	0.100	0.1054	mg/L	1	70 - 130	4	20
Toluene	0.100	0.1037	mg/L	1	04 70 - 130	5	20
Ethylbenzene	0.100	0.1100	mg/L	1	10 70 - 130	14	20
m-Xylene & p-Xylene	0.200	0.2439	mg/L	1	22 70 - 130	20	20
o-Xylene	0.100	0.1370 *+	mg/L	1	37 70 - 130	20	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

GC VOA

Analysis Batch: 36389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3098-1	MW-32	Total/NA	Water	8021B	
890-3098-2	MW-22	Total/NA	Water	8021B	
890-3098-3	MW-21	Total/NA	Water	8021B	
890-3098-4	MW31	Total/NA	Water	8021B	
MB 880-36389/7	Method Blank	Total/NA	Water	8021B	
LCS 880-36389/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36389/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep E	Batch
890-3098-1	MW-32	Total/NA	Water	Total BTEX	
890-3098-2	MW-22	Total/NA	Water	Total BTEX	
890-3098-3	MW-21	Total/NA	Water	Total BTEX	
890-3098-4	MW31	Total/NA	Water	Total BTEX	

Matrix: Water

Matrix: Water

Client Sample ID: MW-32 Lab Sample ID: 890-3098-1

Date Collected: 09/28/22 09:30 **Matrix: Water**

Date Received: 09/28/22 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 23:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36437	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW-22 Lab Sample ID: 890-3098-2

Date Collected: 09/28/22 09:45

Date Received: 09/28/22 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/07/22 23:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36437	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW-21 Lab Sample ID: 890-3098-3

Date Collected: 09/28/22 10:15

Date Received: 09/28/22 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/08/22 00:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36437	10/08/22 09:14	AJ	EET MID

Client Sample ID: MW31 Lab Sample ID: 890-3098-4 **Matrix: Water**

Date Collected: 09/28/22 10:18

Date Received: 09/28/22 12:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36389	10/08/22 00:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36437	10/08/22 09:14	AJ	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-24	06-30-23	
The following analytes	are included in this report, but	t the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for	
,	• •	t the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for	
The following analytes the agency does not of	• •	t the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for	
0 ,	• •	t the laboratory is not certific Matrix	ed by the governing authority. This list ma Analyte	ay include analytes for	

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Method Summary

Client: Talon/LPE Job ID: 890-3098-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

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

Laboratory References:

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

Sample Summary

IAH ID: 890-3098-1 Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

JOD	ID.	090-3090-1	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3098-1	MW-32	Water	09/28/22 09:30	09/28/22 12:18	n/a
890-3098-2	MW-22	Water	09/28/22 09:45	09/28/22 12:18	n/a
890-3098-3	MW-21	Water	09/28/22 10:15	09/28/22 12:18	n/a
890-3098-4	MW31	Water	09/28/22 10:18	09/28/22 12:18	n/a

eurofins

Xenco

Environment Testing

Company Name:

Talon LPE 408 Texas St.

Address: Company Name: Bill to: (if different)

David Adkins

Chain of Custody

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

Plains All American Pipeline Attn: Camille Bryant

State of Project:

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

Work Order Comments

Work
Orde
No No

www.xenco.com

Revised Date: 08/25/2020 Rev. 2020.2		6						5
			7-28-22 1215	0.0		dry an	W7 (, Mathew bonz
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	Received b	Signature)	Relinquished by: (Signature)
	andard terms and conditions umstances beyond the control ced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed.	npany to Eurofins Xenco losses or expenses incu ubmitted to Eurofins Xer	om client con bility for any ich sample s	les a valid purchase order fro all not assume any responsit ject and a charge of \$5 for ea	of samples constitut st of samples and sh applied to each proj	ument and relinquishment ill be liable only for the co m charge of \$85.00 will be	Notice: Signature of this doo of service. Eurofins Xenco of of Eurofins Xenco. A minim
1/7470/74/1	\g Tl U Hg: 1631 / 245.1	Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Sb As Ba Be C	8RCRA	TCLP / SPLP 6010: 8RCRA	zed	Metal(s) to be analy	Circle Method(s) and Metal(s) to be analyzed
. н	X Se A	Cd Ca Cr Co Cu Fe Pb Mg Mn	w	≥	8RCRA 13PPM Texas 11	8RC	0 200.8 / 6020:	Total 200.7 / 6010
				#				
					0.8	-	-	MW-3
Maochoa@paalp.com					10:15	-		12-MW
CJBryant@paalp.com				_	1 5h:6	-		MW-22
Email Analyticals to:			X	W	9:30 NA	4/28/22	GW	MW-32
Sample Comments			BTEX 8	ab/ # of mp Cont	Time Depth Comp	Date Sampled	cation Matrix	Sample identification
NaOH+Ascorbic Acid: SAPC	NaOr		3021	<u>j</u>		Corrected Temperature:		Total Containers:
Zn Acetate+NaOH: Zn	Zn Ac	890-3098 Chain of Custody	В	1_	Reading: Q-S	Temperature Reading:	Yes No MA	Sample Custody Seals:
Na ₂ S ₂ O ₃ ; NaSO ₃	Na ₂ S ₂				,	Correction Factor:	Yes No N/A	Cooler Custody Seals:
NaHSO ₄ : NABIS	NaHS			1	D. INMOS	Thermometer ID:		Samples Received Intact:
H ₃ PO ₄ : HP	Н ₃ РО			nete	Wet ice: Yes No	Yes No	Temp Blank:	SAMPLE RECEIPT
4: H ₂ NaOH: Na	H ₂ S0 ₄ : H ₂				the lab, if received by 4:30pm	7	SRS# 2003-00	PO#
HC HNO ₃ : HN	HCL: HC			by	TAT starts the day received by	lautor	M. bonez, K.	Sampler's Name:
Cool MeOH: Me	Cool: Cool				Due Date:		Lea, County	Project Location:
:: NO DI Water: H ₂ O	None: NO			Code	✓Routine □Rush			'n.
Preservative Codes		ANALYSIS REQUEST			Turn Around	nline (HJM)	Hobbs Junction Mainline (HJM)	Project Name:
Other:	Deliverables: EDD	Deliver	m	lonlpe.co	Email: dadkins@talonlpe.com		575-441-4835	Phone: 5:
TRRP Level VL	Reporting: Level III PST/UST TRRP	Reporti	SRS# 2003-00017	Ţ.P	City, State ZIP		Artesia, NM 88210	City, State ZIP: A
]				Address:		408 Texas St.	Address: 4

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3098-1

Login Number: 3098 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3098-1

Login Number: 3098 **List Source: Eurofins Midland** List Number: 2 List Creation: 09/29/22 11:21 AM

Creator: Rodriguez, Leticia

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

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3109-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

MAMER

Authorized for release by: 10/10/2022 11:25:13 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

------ LINKS ------

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 6/6/2023 4:01:08 PM

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

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

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Client: Talon/LPE
Laboratory Job ID: 890-3109-1
Project/Site: Hobbs Junction Mainline (HJM)

unction Mainline (HJM)

Table of Contents

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Metals

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-3109-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3109-1

Receipt

The samples were received on 9/29/2022 12:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-71339 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals

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

General Chemistry

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

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Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID: 890-3109-1 **Client Sample ID: MW-23**

Date Collected: 09/29/22 09:15 **Matrix: Water**

Date Received: 09/29/22 12:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			09/30/22 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	101		70 - 130					09/30/22 15:28	1
Method: MCAWW 300.0 - Anic	ns, lon Chr	omatogra	ohy						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.95		0.100	0.0391	mg/L			09/30/22 18:47	1
Sulfate	121	F1	0.500	0.109	mg/L			09/30/22 18:47	1
_ Method: SW846 6020A - Metal	s (ICP/MS)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00507		0.00200	0.000224	mg/L		10/03/22 09:30	10/05/22 20:17	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	268		4.00	4.00	mg/L			10/07/22 13:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	268		4.00	4.00	mg/L			10/07/22 13:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/07/22 13:10	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/07/22 13:10	1

Client Sample ID: MW-24 Lab Sample ID: 890-3109-2 Date Collected: 09/29/22 10:18 **Matrix: Water**

0.0280 mg/L

0.0500

0.470 HF

Ferrous Iron (SM 3500 FE D)

Date Received: 09/29/22 12:13

Method: RSK-175 - Dissolv	ed Gases (GC								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			09/30/22 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	97		70 - 130			-		09/30/22 15:45	1

Method: MCAWW 300.0 - Ani	ions, Ion Chro	matograpl	hy						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.26		0.100	0.0391	mg/L			09/30/22 19:21	1
Sulfate	108		0.500	0.109	mg/L			09/30/22 19:21	1

Method: SW846 6020A - Metal	s (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.00509		0.00200	0.000224	mg/L		10/03/22 09:30	10/05/22 20:20	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	227		4.00	4.00	mg/L			10/07/22 13:51	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	227		4.00	4.00	mg/L			10/07/22 13:51	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/07/22 13:51	1
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/07/22 13:51	1

Eurofins Carlsbad

10/05/22 16:45

Client Sample Results

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-24 Lab Sample ID: 890-3109-2

Date Collected: 09/29/22 10:18

Matrix: Water

Date Collected: 09/29/22 10:18 Matrix: Wate Date Received: 09/29/22 12:13

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			10/07/22 13:51	1
Ferrous Iron (SM 3500 FE D)	0.280	HF	0.0500	0.0280	mg/L			10/05/22 16:45	1

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Surrogate Summary

Job ID: 890-3109-1 Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Method: RSK-175 - Dissolved Gases (GC)

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

			Percent Surrogate Recovery (Acceptance Limits)
		luoroetha	
Lab Sample ID	Client Sample ID	(70-130)	
890-3109-1	MW-23	101	
890-3109-2	MW-24	97	
LCS 860-71269/5	Lab Control Sample	103	
LCSD 860-71269/6	Lab Control Sample Dup	103	
MB 860-71269/4	Method Blank	104	
Surrogate Legend			

Prep Type: Total/NA

09/30/22 09:48

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-71269/4 Client Sample ID: Method Blank

Matrix: Water

Methane

Analysis Batch: 71269

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte D Prepared

0.000453 mg/L

0.00500

MB MB

<0.000453 U

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Trifluoroethane 104 70 - 130 09/30/22 09:48

Lab Sample ID: LCS 860-71269/5 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71269

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits 70 - 130 Methane 0.0199 0.01828 mg/L 92

LCS LCS

Surrogate %Recovery Qualifier Limits 70 - 130 Trifluoroethane 103

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 860-71269/6 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71269

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Methane 0.0199 0.01818 mg/L 91 70 - 130

LCSD LCSD

MB MB

Surrogate %Recovery Qualifier Limits Trifluoroethane 103 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-71339/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71339

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Sulfate <0.109 U 0.500 0.109 mg/L 09/30/22 17:50

Lab Sample ID: LCS 860-71339/6 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71339

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec Sulfate 10.0 10.00 100 90 - 110

Lab Sample ID: LCSD 860-71339/7 Client Sample ID: Lab Control Sample Dup **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 71339

Released to Imaging: 6/6/2023 4:01:08 PM

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Sulfate 10.0 9.987 mg/L 100 90 - 110

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-71339/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 71339

Spike LLCS LLCS %Rec Added Result Qualifier Unit %Rec Limits Analyte D 0.500 Sulfate 0.5018 mg/L 100 50 - 150

Lab Sample ID: 890-3109-1 MS Client Sample ID: MW-23 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71339

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 121 F1 10.0 90 - 110 Sulfate 130.2 4 mg/L 94

Lab Sample ID: 890-3109-1 MSD Client Sample ID: MW-23 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71339

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD Analyte** Unit D %Rec Limit Sulfate 121 F1 10.0 130.9 4 102 90 - 110 mg/L

Lab Sample ID: MB 860-71340/3 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA**

Analysis Batch: 71340

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Nitrate as N <0.0391 U 0.100 0.0391 ma/L 09/30/22 17:50

Lab Sample ID: LCS 860-71340/6 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71340

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate as N 10.0 9.468 95 80 - 120 mg/L

Lab Sample ID: LCSD 860-71340/7 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71340

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit Analyte Unit %Rec D 10.0 9.438 Nitrate as N mg/L 80 - 120

Lab Sample ID: LLCS 860-71340/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71340

Spike LLCS LLCS %Rec Added Result Qualifier Unit D Limits Analyte %Rec 0.100 0.1025 Nitrate as N mg/L 102 50 - 150

Lab Sample ID: 890-3109-1 MS Client Sample ID: MW-23 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 71340

Released to Imaging: 6/6/2023 4:01:08 PM

Spike MS MS %Rec Sample Sample Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Nitrate as N 1.95 10.0 11.45 mg/L 95 80 - 120

QC Sample Results

Client: Talon/LPE Job ID: 890-3109-1

RL

RL

0.00200

Spike

Added

0.100

Spike

Added

0.100

Spike

Added

0.100

Spike

Added

0.100

0.00200

MDL Unit

MDL Unit

0.000224 mg/L

LCS LCS

LCS LCS

LCSD LCSD

LCSD LCSD

Result Qualifier

MDL Unit

4.00 mg/L

4.00 mg/L

4.00 mg/L

4.00 mg/L

4.00 mg/L

Result Qualifier

Result Qualifier

0.1019

0.09490

0.1074

0.1051

Result Qualifier

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

D %Rec

0.000224 mg/L

Project/Site: Hobbs Junction Mainline (HJM)

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-71541/1-A

Matrix: Water

Analysis Batch: 71897

MB MB Result Qualifier Analyte

<0.000224 U

Lab Sample ID: MB 860-71541/1-A

Matrix: Water Analysis Batch: 72084

Manganese

MB MB Result Qualifier

Analyte Manganese <0.000224 U

Lab Sample ID: LCS 860-71541/2-A

Matrix: Water

Analysis Batch: 71897

Analyte Manganese

Lab Sample ID: LCS 860-71541/2-A

Matrix: Water Analysis Batch: 72084

Analyte

Manganese

Lab Sample ID: LCSD 860-71541/3-A **Matrix: Water**

Analysis Batch: 71897

Analyte Manganese

Lab Sample ID: LCSD 860-71541/3-A

Matrix: Water

Analysis Batch: 72084

Analyte Manganese

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-72395/4

Matrix: Water

Analysis Batch: 72395

MR MR

Analyte Result Qualifier <4.00 U Alkalinity

Bicarbonate Alkalinity as CaCO3 <4.00 U Carbonate Alkalinity as CaCO3 <4.00 U Hydroxide Alkalinity <4.00 U

<4.00 U Phenolphthalein Alkalinity

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

Prepared

Prep Batch: 71541

Analyzed Dil Fac

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

10/03/22 09:30 10/04/22 23:53

Prep Batch: 71541

Prepared Analyzed Dil Fac

10/03/22 09:30 10/05/22 19:25

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71541

%Rec

Limits

102 80 - 120

Client Sample ID: Lab Control Sample

%Rec

Prep Type: Total/NA

Prep Batch: 71541

%Rec

%Rec Limits

80 - 120

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71541 %Rec **RPD**

Limits RPD Limit

%Rec 107 80 - 120

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

105

Prep Batch: 71541 %Rec **RPD**

Limits **RPD**

Limit 80 - 120 10 20

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

Analyzed Prepared Dil Fac 10/07/22 11:55 10/07/22 11:55 10/07/22 11:55 10/07/22 11:55

10/07/22 11:55

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RL

4.00

4.00

4.00

4.00

4.00

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: MW-23

Prep Type: Total/NA

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 860-72395/5

Matrix: Water Analysis Batch: 72395

Spike LCS LCS %Rec Added Result Qualifier %Rec Limits Analyte Unit D Alkalinity 250 237.6 mg/L 95 85 - 115

Lab Sample ID: LCSD 860-72395/6 **Matrix: Water**

Analysis Batch: 72395

Spike LCSD LCSD %Rec **RPD** Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit 250 238.8 Alkalinity mg/L 96 85 - 115 20

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

Lab Sample ID: MB 860-72055/3

Matrix: Water

Analysis Batch: 72055

MB MB

Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 0.0500 10/05/22 16:45 Ferrous Iron <0.0280 U 0.0280 mg/L

Lab Sample ID: LCS 860-72055/4

Matrix: Water

Analysis Batch: 72055

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit %Rec Limits Ferrous Iron 1.00 0.9000 mg/L 90 75 - 125

Lab Sample ID: LCSD 860-72055/5

Matrix: Water

Analysis Batch: 72055

Spike LCSD LCSD **RPD** %Rec Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Ferrous Iron 1.00 0.9000 mg/L 75 - 125

Lab Sample ID: 890-3109-1 DU

Matrix: Water

Analysis Batch: 72055

DU DU RPD Sample Sample Result Qualifier RPD Limit Analyte Result Qualifier Unit D Ferrous Iron 0.470 HF 0.4400 25 mg/L

QC Association Summary

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

GC VOA

Analysis Batch: 71269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	RSK-175	
890-3109-2	MW-24	Total/NA	Water	RSK-175	
MB 860-71269/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-71269/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-71269/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 71339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	300.0	
890-3109-2	MW-24	Total/NA	Water	300.0	
MB 860-71339/3	Method Blank	Total/NA	Water	300.0	
LCS 860-71339/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71339/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71339/5	Lab Control Sample	Total/NA	Water	300.0	
890-3109-1 MS	MW-23	Total/NA	Water	300.0	
890-3109-1 MSD	MW-23	Total/NA	Water	300.0	

Analysis Batch: 71340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	300.0	
890-3109-2	MW-24	Total/NA	Water	300.0	
MB 860-71340/3	Method Blank	Total/NA	Water	300.0	
LCS 860-71340/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-71340/7	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-71340/4	Lab Control Sample	Total/NA	Water	300.0	
890-3109-1 MS	MW-23	Total/NA	Water	300.0	

Metals

Prep Batch: 71541

Lab Sample ID 890-3109-1	Client Sample ID MW-23	Prep Type Total/NA	Matrix Water	Method 3010A	Prep Batch
890-3109-2	MW-24	Total/NA	Water	3010A	
MB 860-71541/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 71897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-71541/1-A	Method Blank	Total/NA	Water	6020A	71541
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	6020A	71541
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71541

Analysis Batch: 72084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	6020A	71541
890-3109-2	MW-24	Total/NA	Water	6020A	71541
MB 860-71541/1-A	Method Blank	Total/NA	Water	6020A	71541
LCS 860-71541/2-A	Lab Control Sample	Total/NA	Water	6020A	71541
LCSD 860-71541/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	71541

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Eurofins Carlsbad

10/10/2022

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QC Association Summary

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

General Chemistry

Analysis Batch: 72055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	SM 3500 FE D	
890-3109-2	MW-24	Total/NA	Water	SM 3500 FE D	
MB 860-72055/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-72055/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-72055/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
890-3109-1 DU	MW-23	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 72395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3109-1	MW-23	Total/NA	Water	SM 2320B	
890-3109-2	MW-24	Total/NA	Water	SM 2320B	
MB 860-72395/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-72395/5	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-72395/6	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

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4.0

Lab Chronicle

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-23 Lab Sample ID: 890-3109-1 Date Collected: 09/29/22 09:15

Matrix: Water

Date Received: 09/29/22 12:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175	_	1	33 mL	33 mL	71269	09/30/22 15:28	CZT	EET HOU
Total/NA	Analysis	300.0		1			71339	09/30/22 18:47	A1S	EET HOU
Total/NA	Analysis	300.0		1			71340	09/30/22 18:47	A1S	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Total/NA	Analysis	6020A		1			72084	10/05/22 20:17	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			72395	10/07/22 13:10	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	72055	10/05/22 16:45	SCI	EET HOU

Client Sample ID: MW-24 Lab Sample ID: 890-3109-2

Date Collected: 09/29/22 10:18 **Matrix: Water**

Date Received: 09/29/22 12:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	71269	09/30/22 15:45	CZT	EET HOU
Total/NA	Analysis	300.0		1			71339	09/30/22 19:21	A1S	EET HOU
Total/NA	Analysis	300.0		1			71340	09/30/22 19:21	A1S	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	71541	10/03/22 09:30	MD	EET HOU
Total/NA	Analysis	6020A		1			72084	10/05/22 20:20	SHZ	EET HOU
Total/NA	Analysis	SM 2320B		1			72395	10/07/22 13:51	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	72055	10/05/22 16:45	SCI	EET HOU

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Houston

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

Authority	Pi	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704215-22-47	06-30-23
the agency does not o	offer certification.	•	not certified by the governing authority.	This list may include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
SM 2320B		Water	Bicarbonate Alkalinity as Ca	CO3
SM 2320B		Water	Carbonate Alkalinity as CaC	O3
SM 2320B		Water	Hydroxide Alkalinity	
SM 2320B		Water	Phenolphthalein Alkalinity	
SM 3500 FE D		Water	Ferrous Iron	

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Method Summary

Client: Talon/LPE Job ID: 890-3109-1

Project/Site: Hobbs Junction Mainline (HJM)

Protocol	Laboratory
RSK	EET HOU
MCAWW	EET HOU
SW846	EET HOU

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Eurofins 6,416,202

Sample Summary

Job ID: 890-3109-1 Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3109-1	MW-23	Water	09/29/22 09:15	09/29/22 12:13
890-3109-2	MW-24	Water	09/29/22 10:18	09/29/22 12:13

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		4	9/09/22 121	9/2	A	a XX	Brown	D	LAWB!	Matthau Comes
gnature) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		ature)	Received by: (Signature)	Receive	e)	y: (Signatur	Relinquished by: (Signature)
rted.	s standard terms and conditions circumstances beyond the contro nforced unless previously negoti	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	npany to Eurofins Xence losses or expenses inc ubmitted to Eurofins Xe	from client con sibility for any each sample s	urchase order me any respon narge of \$5 for	stitutes a valid p id shall not assu project and a c	samples cons of samples an oplied to each	relinquishment of only for the cost of \$85.00 will be a	s document and noo will be liable inimum charge o	Notice: Signature of this of service. Eurofins Xer of Eurofins Xenco. A mi
Ag SiO ₂ Na Sr Ti Sn U V Zn Hg: 1631/245.1/7470/7471	Io Ni K Se /	3a Be B Cd Ca Cr Co Cu Fe Pb Mg Mn N Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	Sb As Ba Be B Sb As Ba Be C		CRA 13PPM Texas 11 Al	8RCRA 13		200.8 / 6020: al(s) to be analyz	6010 200 and Metal(s)	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
Maochoa@paalp.con			3	-	W/M	10.10	01/2/16	900		1 m
C IBaraté paola con			< >	n J			27/1/2/1	GW		C2 - C11
Email Analyticals to:					4	+	nien/an	2		24. 1.2
Sample Comments			MNA Pa	Grab/ # of Comp Cont	Depth	Time Sampled	Date Sampled	Matrix	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC		_	aram	1	3.	Corrected Temperature:	Corrected		-	Total Containers:
Zn Acetate+NaOH: Zn		890-3109 Chain of Custody	neter	1	12.4	Temperature Reading:	Temperatu	NO (N/A	als: Yes	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃			rs	Pa	200	Factor:	Correction Factor:	NO NIA	als: Yes	Cooler Custody Seals:
NaHSO ₄ : NABIS			_	aran	1	ter ID:		Yes No	$\overline{}$	Samples Received Intact:
H ₃ PO ₄ : HP				nete	Fes No	Wet ice:	No section	Temp Blank:		SAMPLE RECEIPT
H ₂ S0 ₄ : H ₂ NaOH: Na				1	the lab, if received by 4:30pm	the lab, if re	177	1 I I		PO#:
HCL: HC HNO3: HN				d by	ne day receive	TAT starts t	Lauler	Sames, K.	3	Sampler's Name:
Cool: Cool MeOH: Me			_			Due Date:		Lea, County		Project Location:
None: NO DI Water:				Pres. Code	Rush	✓ Routine				Project Number:
Preservative Codes	7	ANALYSIS REQUEST			Turn Around	Tur	ine (HJM)	Hobbs Junction Mainline (HJM)	Hobbs Ju	Project Name:
ADaPT LJ Other:	Deliverables: EDD 📙 🖟	Deliv	m	dadkins@talonlpe.com	dadkins@	Email:		835	575-441-4835	Phone:
J PST/UST TRRP Level I	Reporting: Level III Level III PST/UST TRRP		SRS# 2003-00017	ZIP	City, State ZIP			M 88210	Artesia, NM 88210	City, State ZIP:
	State of Project:	Stat			Address:			St	408 Texas St.	Address:
Brownfields 🗌 RRC 🔲 Superfur	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐		Attn: Camille Bryant	vame:	Company Name:				Talon LPE	Company Name:
Work Order Comments	Work Or	n Pipeline	Plains All American Pipeline	ferent)	Bill to: (if different)			ins	David Adkins	Project Manager:
.com Page of	www.xenco.com									
>		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hohbs NM (575) 392-7550 Carlsbad NM (575) 988-3199	(915) 585-3443, Lubbo 575) 392-7550 Carlsb.	EL Paso, TX				Kenco		
No:	Work Order No:	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	32) 704-5440, San Ant	fidland, TX (4)	7	sting	ment Te	Environment Testing		\$ C 2 1 4
		25 TX (214) 902-0300	Citatil Of Gustouy	<u> </u>					fins	eurofins

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3109-1

Login Number: 3109 **List Source: Eurofins Carlsbad**

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3109-1

Login Number: 3109
List Source: Eurofins Houston
List Number: 2
List Creation: 09/30/22 02:42 PM

Creator: Bolch, Taylor

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

ge 232 oj 333

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-3110-1

Client Project/Site: Hobbs Junction Mainline (HJM)

For:

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

Attn: David Adkins

RAMER

Authorized for release by: 10/10/2022 11:30:22 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

EOL **Have a Question?**

------ LINKS ------

Review your project results through

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 6/6/2023 4:01:08 PM

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

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

Client: Talon/LPE Laboratory Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Qualifiers

GC VOA

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

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

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 890-3110-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3110-1

Receipt

The samples were received on 9/29/2022 12:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-36469 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID: 890-3110-1 Client Sample ID: MW-23

Date Collected: 09/29/22 09:15 Matrix: Water

Date Received: 09/29/22 12:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/09/22 14:37	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/09/22 14:37	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			10/09/22 14:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/09/22 14:37	1
o-Xylene	< 0.000642	U *+ *1	0.00200	0.000642	mg/L			10/09/22 14:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/09/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130			-		10/09/22 14:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130					10/09/22 14:37	1

0.00400 Client Sample ID: MW-24 Lab Sample ID: 890-3110-2

RL

MDL Unit

0.000657 mg/L

D

Prepared

Analyzed

10/10/22 10:23

Result Qualifier

<0.000657 U

Date Collected: 09/29/22 10:18 **Matrix: Water**

Date Received: 09/29/22 12:13

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/09/22 14:58	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/09/22 14:58	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 14:58	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/09/22 14:58	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			10/09/22 14:58	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			10/09/22 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	-	70 - 130			-		10/09/22 14:58	1
1,4-Difluorobenzene (Surr)	92		70 - 130					10/09/22 14:58	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			10/10/22 10:23	

Eurofins Carlsbad

Dil Fac

Surrogate Summary

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3110-1	MW-23	76	91	
890-3110-2	MW-24	96	92	
LCS 880-36469/3	Lab Control Sample	108	106	
LCSD 880-36469/4	Lab Control Sample Dup	128	92	
MB 880-36469/8	Method Blank	86	91	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36469/8

Matrix: Water Analysis Batch: 36469 Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			10/09/22 13:35	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			10/09/22 13:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			10/09/22 13:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			10/09/22 13:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			10/09/22 13:35	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			10/09/22 13:35	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130		10/09/22 13:35	1
1,4-Difluorobenzene (Surr)	91		70 - 130		10/09/22 13:35	1

Lab Sample ID: LCS 880-36469/3

Matrix: Water

Analysis Batch: 36469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

LCS LCS %Rec Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09735 mg/L 97 70 - 130 Toluene 0.100 0.09020 mg/L 90 70 - 130 0.100 0.09559 96 70 - 130 Ethylbenzene mg/L 0.200 102 70 - 130 m-Xylene & p-Xylene 0.2049 mg/L 0.100 0.1134 70 - 130 o-Xylene mg/L 113

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-36469/4

Matrix: Water

Analysis Batch: 36469

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

RPD %Rec

Added	Result Qualifie	r Unit	D	%Rec	Limits	RPD	Limit
0.100	0.09825	mg/L		98	70 - 130	1	20
0.100	0.1000	mg/L		100	70 - 130	10	20
0.100	0.1152	mg/L		115	70 - 130	19	20
0.200	0.2504	mg/L		125	70 - 130	20	20
0.100	0.1404 *+ *1	mg/L		140	70 - 130	21	20
	0.100 0.100 0.100 0.200	0.100 0.09825 0.100 0.1000 0.100 0.1152 0.200 0.2504	0.100 0.09825 mg/L 0.100 0.1000 mg/L 0.100 0.1152 mg/L 0.200 0.2504 mg/L	0.100 0.09825 mg/L 0.100 0.1000 mg/L 0.100 0.1152 mg/L 0.200 0.2504 mg/L	0.100 0.09825 mg/L 98 0.100 0.1000 mg/L 100 0.100 0.1152 mg/L 115 0.200 0.2504 mg/L 125	0.100 0.09825 mg/L 98 70 - 130 0.100 0.1000 mg/L 100 70 - 130 0.100 0.1152 mg/L 115 70 - 130 0.200 0.2504 mg/L 125 70 - 130	0.100 0.09825 mg/L 98 70 - 130 1 0.100 0.1000 mg/L 100 70 - 130 10 0.100 0.1152 mg/L 115 70 - 130 19 0.200 0.2504 mg/L 125 70 - 130 20

Spike

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Project/Site: Hobbs Junction Mainline (HJM)

QC Association Summary

Client: Talon/LPE Job ID: 890-3110-1

GC VOA

Analysis Batch: 36469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3110-1	MW-23	Total/NA	Water	8021B	
890-3110-2	MW-24	Total/NA	Water	8021B	
MB 880-36469/8	Method Blank	Total/NA	Water	8021B	
LCS 880-36469/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-36469/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 36535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3110-1	MW-23	Total/NA	Water	Total BTEX	
890-3110-2	MW-24	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Client Sample ID: MW-23 Lab Sample ID: 890-3110-1

Date Collected: 09/29/22 09:15 Matrix: Water

Date Received: 09/29/22 12:13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	36469	10/09/22 14:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36535	10/10/22 10:23	AJ	EET MID

Client Sample ID: MW-24 Lab Sample ID: 890-3110-2

Date Collected: 09/29/22 10:18

Date Received: 09/29/22 12:13

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B	- <u></u>	1	5 mL	5 mL	36469	10/09/22 14:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36535	10/10/22 10:23	AJ	EET MID

Laboratory References:

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

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Matrix: Water

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Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date	
Texas	NE	LAP	T104704400-22-24	06-30-23	
The following analytes	are included in this report, bu	t the laboratory is not certifie	ed by the governing authority. This list ma	ay include analytes for v	
	<u>-</u>				
the agency does not of	fer certification.				
9 ,		Matrix	Analyto		
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte		

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Method Summary

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE Job ID: 890-3110-1

Project/Site: Hobbs Junction Mainline (HJM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-3110-1	MW-23	Water	09/29/22 09:15	09/29/22 12:13
890-3110-2	MW-24	Water	09/29/22 10:18	09/29/22 12:13

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lotice: Signature of this document and relinquishment of samples constitutes a valid purchase order fr

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

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM

TCLP / SPLP 6010

service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any respons Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for e

Relinquished by: (Signature) Mutthan bomez

Received by: (Signature)

9/29/22

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

eurofins Xenco **Environment Testing**

Chain of Custody

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

Work Order No:

으

		Work Order Comments	
). (If dillerent)	Attr. Camillo Datast	Program: UST/PST PRP Brownfields RRC Superfund	
ess:			
State ZIP:	SRS# 2003-00017	Reporting: Level II Level III PST/UST TRRP Level IV	
ins@talonlpe.com	om	Deliverables: EDD ADAPT Other:	
ind	ANALYSIS REQUEST	UEST Preservative Codes	
Rush Code		None: NO DI Water: H ₂ O	
received by		Cool: Cool MeOH: Me	
		H ₂ S0 ₄ : H ₂ NaOH: Na	
& Z		H₃PO₄; HP	
3		NaHSO ₄ : NABIS	5
P P	oppo satisfied the state of Custody	Na ₂ S ₂ O ₃ : NaSO ₃	of 1
0		NaOH+Ascorbic Acid: SAPC	13
oth Comp Cont	BTEX 8	Sample Comments	Page
A 3	*	Email Analyticals to:	
3	×	CJBryant@paalp.com	
		Maochoa@paalp.com	
			216
			.00
			1.05
Tayas 11 Al	Sh As Ba Ba B Cd Ca Cr Co Cii Fa Ph Mo	Ma Ma Ma Ni K Se Ad SiO, Na Sr Ti Sn U V Zn	122
RCRA	o As Ba Be Cd Cr Co Cu F	TI U Hg: 1631 / 2	10.10.1
order from client co	order from client company to Eurofins Xenco, its affiliates and subcontractors. It	It assigns standard terms and conditions advise to circumstances havond the control	
responsibility for an	responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Les for each earnie submitted to Furofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	ue to circumstances beyond the control	

SAMPLE RECEIPT

Temp Blank: SRS# 2003-00017

(es No

Wet Ice:

Yes No

NO NIA No (N/A

Correction Factor: Temperature Reading:

Corrected Temperature:

Thermometer ID:

72

Cooler Custody Seals: Samples Received Intact:

Sample Custody Seals:

Yes Yes

MW-23 12-0A

Sample Identification

Matrix GW

Sampled

Sampled

Depth

9:15 10:18

N N

Date

Time

PO#:

Sampler's Name: Project Location: Project Number:

00MCZ,

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

Lea, County

Due Date: ✓ Routine

Rush

Phone:

575-441-4835 Artesia, NM 88210

Email: |dadkins@t Turn Around

City, State 2

Company N Bill to: (if diff

Address:

408 Texas St Talon LPE

City, State ZIP

Company Name: Project Manager:

David Adkins

Project Name:

Hobbs Junction Mainline (HJM)

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3110-1

Login Number: 3110 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3110-1

Login Number: 3110
List Source: Eurofins Midland
List Number: 2
List Creation: 09/30/22 10:25 AM

Creator: Rodriguez, Leticia

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/5/2023 11:47:58 AM

JOB DESCRIPTION

Hobbs Junction Mainline SDG NUMBER Lea County

JOB NUMBER

890-3719-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

Authorization

Generated 1/5/2023 11:47:58 AM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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SDG: Lea County

Laboratory Job ID: 890-3719-1 Client: Talon/LPE Project/Site: Hobbs Junction Mainline

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Qualifiers

GC VOA

NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

O	illulcates the alialyte was alialyzed for but hot detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

Case Narrative

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

Job ID: 890-3719-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3719-1

Receipt

The samples were received on 12/28/2022 12:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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

Client Sample Results

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

Client Sample ID: MW-23

Date Collected: 12/28/22 10:35 Date Received: 12/28/22 12:24

Sample Depth: N/A

Lab Sample ID: 890-3719-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed <0.000408 U Benzene 0.00200 0.000408 mg/L 01/05/23 01:44 Toluene <0.000367 U 0.00200 0.000367 mg/L 01/05/23 01:44 Ethylbenzene <0.000657 U 0.00200 0.000657 01/05/23 01:44 mg/L <0.000629 U 0.00400 0.000629 01/05/23 01:44 m-Xylene & p-Xylene mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 01/05/23 01:44 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 01/05/23 01:44 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 102 70 - 130 01/05/23 01:44 70 - 130 1,4-Difluorobenzene (Surr) 107 01/05/23 01:44

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 0.000657 mg/L 01/05/23 10:15

Client Sample ID: MW-7 Lab Sample ID: 890-3719-2

Date Collected: 12/28/22 09:30 Date Received: 12/28/22 12:24

Sample Depth: N/A

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000408 0.00200 0.000408 mg/L 01/05/23 02:05 Toluene <0.000367 U 0.00200 0.000367 mg/L 01/05/23 02:05 Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 01/05/23 02:05 m-Xylene & p-Xylene 0.000629 01/05/23 02:05 <0.000629 U 0.00400 mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 01/05/23 02:05 01/05/23 02:05 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 104 01/05/23 02:05 107 70 - 130 01/05/23 02:05 1,4-Difluorobenzene (Surr)

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			01/05/23 10:15	1

Client Sample ID: MW-28 Lab Sample ID: 890-3719-3 **Matrix: Water**

Date Collected: 12/28/22 08:00 Date Received: 12/28/22 12:24

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 02:25	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			01/05/23 02:25	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			01/05/23 02:25	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 02:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 02:25	1
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L			01/05/23 02:25	1

Eurofins Carlsbad

Matrix: Water

Job ID: 890-3719-1

Client: Talon/LPE Project/Site: Hobbs Junction Mainline SDG: Lea County

Client Sample ID: MW-28 Lab Sample ID: 890-3719-3

Date Collected: 12/28/22 08:00 Matrix: Water Date Received: 12/28/22 12:24

Sample Depth: N/A

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		01/05/23 02:25	1
1,4-Difluorobenzene (Surr)	108		70 - 130		01/05/23 02:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <0.000657 U Total BTEX 0.00400 0.000657 mg/L 01/05/23 10:15

Client Sample ID: MW-33 Lab Sample ID: 890-3719-4 **Matrix: Water**

Date Collected: 12/28/22 10:40 Date Received: 12/28/22 12:24

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 02:46	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 02:46	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			01/05/23 02:46	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 02:46	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			01/05/23 02:46	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			-		01/05/23 02:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130					01/05/23 02:46	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	ma/l			01/05/23 10:15	

Total BTEX 01/05/23 10:15 <0.000657 U 0.000657 mg/L

Surrogate Summary

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3719-1	MW-23	102	107	
890-3719-2	MW-7	104	107	
890-3719-3	MW-28	105	108	
890-3719-4	MW-33	105	108	
LCS 880-43117/34	Lab Control Sample	102	106	
LCSD 880-43117/35	Lab Control Sample Dup	98	117	
MB 880-43114/5-A	Method Blank	97	107	
MB 880-43117/39	Method Blank	100	106	

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Water Analysis Batch: 43117 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

1

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000408	U	0.00200	0.000408	mg/L		01/04/23 08:41	01/04/23 12:40	•
Toluene	< 0.000367	U	0.00200	0.000367	mg/L		01/04/23 08:41	01/04/23 12:40	
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L		01/04/23 08:41	01/04/23 12:40	
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		01/04/23 08:41	01/04/23 12:40	
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		01/04/23 08:41	01/04/23 12:40	
Xylenes, Total	< 0.000642	U	0.00400	0.000642	mg/L		01/04/23 08:41	01/04/23 12:40	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	01/04/23 08:41	01/04/23 12:40	1
1,4-Difluorobenzene (Surr)	107	70 - 130	01/04/23 08:41	01/04/23 12:40	1

Lab Sample ID: MB 880-43117/39

Matrix: Water

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 43117

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 00:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			01/05/23 00:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			01/05/23 00:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 00:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 00:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 00:14	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		01/05/23 00:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130		01/05/23 00:14	1

Lab Sample ID: LCS 880-43117/34

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1009		mg/L		101	70 - 130	
Toluene	0.100	0.09587		mg/L		96	70 - 130	
Ethylbenzene	0.100	0.09356		mg/L		94	70 - 130	
m-Xylene & p-Xylene	0.200	0.1953		mg/L		98	70 - 130	
o-Xylene	0.100	0.09310		mg/L		93	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sam

Matrix: \

Analysis Batch: 43117

Imple ID: LCSD 880-43117/35	Client Sample ID: Lab Control Sample Dup
Water	Prep Type: Total/NA
is Batch: 43117	

Spike LCSD LCSD %Rec RPD Result Qualifier Analyte Added Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1000 100 70 - 130

QC Sample Results

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline SDG: Lea County

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

Lab Sample ID: LCSD 880-43117/35

Matrix: Water

o-Xylene

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

3

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.09771		mg/L		98	70 - 130	2	20
Ethylbenzene	0.100	0.09514		mg/L		95	70 - 130	2	20
m-Xylene & p-Xylene	0.200	0.1972		mg/L		99	70 - 130	1	20

0.09631

mg/L

0.100

LCSD LCSD

Surrogate	%Recovery Qu	alifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1.4-Difluorobenzene (Surr)	117		70 - 130

70 - 130

QC Association Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline
Job ID: 890-3719-1
SDG: Lea County

GC VOA

Prep Batch: 43114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43114/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 43117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3719-1	MW-23	Total/NA	Water	8021B	
890-3719-2	MW-7	Total/NA	Water	8021B	
890-3719-3	MW-28	Total/NA	Water	8021B	
890-3719-4	MW-33	Total/NA	Water	8021B	
MB 880-43114/5-A	Method Blank	Total/NA	Water	8021B	43114
MB 880-43117/39	Method Blank	Total/NA	Water	8021B	
LCS 880-43117/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-43117/35	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 43224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3719-1	MW-23	Total/NA	Water	Total BTEX	
890-3719-2	MW-7	Total/NA	Water	Total BTEX	
890-3719-3	MW-28	Total/NA	Water	Total BTEX	
890-3719-4	MW-33	Total/NA	Water	Total BTEX	

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline

SDG: Lea County

Job ID: 890-3719-1

Client Sample ID: MW-23

Date Received: 12/28/22 12:24

Date Collected: 12/28/22 10:35

Lab Sample ID: 890-3719-1

Matrix: Water

Matrix: Water

Matrix: Water

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43224	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-7 Lab Sample ID: 890-3719-2

Date Collected: 12/28/22 09:30

Date Received: 12/28/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 02:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43224	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-28 Lab Sample ID: 890-3719-3

Date Collected: 12/28/22 08:00

Date Received: 12/28/22 12:24

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
P	гер Туре	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
To	otal/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 02:25	MNR	EET MID
To	otal/NA	Analysis	Total BTEX		1			43224	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-33 Lab Sample ID: 890-3719-4 **Matrix: Water**

Date Collected: 12/28/22 10:40

Date Received: 12/28/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 02:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43224	01/05/23 10:15	AJ	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3719-1 Project/Site: Hobbs Junction Mainline

SDG: Lea County

Laboratory: Eurofins Midland

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

Authority		rogram	Identification Number	Expiration Date	
Texas	NI	ELAP	T104704400-22-25	06-30-23	
The following analytes	are included in this report, bu	ut the laboratory is not certifie	ed by the governing authority. This list ma	ay include analytes fo	
the agency does not of	fer certification			,	
the agency does not of	fer certification.				
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte		

Method Summary

Job ID: 890-3719-1 Client: Talon/LPE Project/Site: Hobbs Junction Mainline

SDG: Lea County

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 890-3719-1 SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3719-1	MW-23	Water	12/28/22 10:35	12/28/22 12:24	N/A
890-3719-2	MW-7	Water	12/28/22 09:30	12/28/22 12:24	N/A
890-3719-3	MW-28	Water	12/28/22 08:00	12/28/22 12:24	N/A
890-3719-4	MW-33	Water	12/28/22 10:40	12/28/22 12:24	N/A

eurofins :

Xenco

Environment Testing

Project Manager: Company Name:

David Adkins
Talon LPE
408 Texas St.

Bill to: (if different)
Company Name:
Address:

Plains All American Pipeline Attn: Camille Bryant

State of Project:

2

3

4

6

8

11

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Chain of Custody TX (281) 240-4200. Dallas, TX (214) 902-0

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

	Program: LIST/DST DRP Brownfields RRC Superfund	Work Order Comments	www.xenco.com Pageof	Work Order No:
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ıre) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	Receiv	y: (Signature)	Relinquished by: (Signature)
	s. It assigns standard terms and conditions are due to circumstances beyond the control ms will be enforced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ompany to Eurofins Xenco ny losses or expenses incu submitted to Eurofins Xer	e order from client c y responsibility for ar of \$5 for each sample	nstitutes a valid purchas ind shall not assume and h project and a charge o	hment of samples co the cost of samples a will be applied to eac	s document and relinquis nco will be liable only for inimum charge of \$85.00	Notice: Signature of this of service. Eurofins Xer of Eurofins Xenco. A m
Hg: 1631 / 245.1 / 7470 / 7471		Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U		TCLP / SPLP 6010: 8RCRA	TCLP / SPLP	analyzed	Circle Method(s) and Metal(s) to be analyzed	Circle Method(s)
la Sr Tl Sn U V Zn	ob Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr	Cd Ca Cr Co Cu Fe Pb Mg Mn	Al Sb As Ba Be B	Texas 11	8RCRA 13PPM	20:	6010 200.8 / 6020:	Total 200.7 / 6010
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			Y	S S	1 05:012	GW 121281	202	min-
Maochoa@paalp.com			7	N.	83 8,00 M	981/CI NO	32	Min-
CJBryant@paalp.com			X	E W	39:30	(nu 12/28	7	Mw.
Email Analyticals to:			×	N/A 3	10:35	GW 12/28/22	8	12-MM
Sample Comments			BTEX 8	Depth Grab/ # of Comp Cont	Time Sampled	Matrix Sampled		Sample Identification
NaOH+Ascorbic Acid: SAPC	-		30211	0	Corrected Temperature: 4	Corrected		Total Containers:
Zn Acetate+NaOH: Zn		890-3719 Chain of Custody	3	20	Temperature Reading: 4	N/A Temperat	als: Yes No	Sample Custody Seals:
Na ₂ S ₂ O ₃ : NaSO ₃				e) P	n Factor:	N/A Correction Factor:	als: Yes No	Cooler Custody Seals:
NaHSO ₄ : NABIS				arar	N	No Thermometer ID:	Yes	Samples Received Intact:
H ₃ PO ₄ : HP				Yes No	Wet Ice:	ank: Yes No	IPT Jemp Blank:	SAMPLE RECEIPT
H ₂ SO ₄ : H ₂ NaOH: Na				_	-	0017	SRS# 20	PO #:
HCL: HC HNO3: HN				received by	ب	Z. N. Rox	M. Gomez,	Sampler's Name:
Cool: Cool MeOH: Me					Due Date:	Lea, County	Lea, (Project Location:
None: NO DI Water: H ₂ O			0 .	Rush Code	✓ Routine			Project Number:
Preservative Codes		ANALYSIS REQUEST			Turn Around	Hobbs Junction Mainline (HJM)	Hobbs Junction	Project Name:
Other:	Deliverables: EDD		Email: dadkins@talonlpe.com, mgomez@talonlpe.com	kins@talonlpe.	Email: dad		575-441-4835	Phone:
T/UST TRRP Level IV	Level III	Report	SRS# 2003-00017	City, State ZIP:	City	10	Artesia, NM 88210	City, State ZIP:
]						700 100000	Addicas.

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3719-1

SDG Number: Lea County

Login Number: 3719 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3719-1 SDG Number: Lea County

Login Number: 3719 List Source: Eurofins Midland List Number: 2 List Creation: 12/29/22 11:42 AM

Creator: Teel, Brianna

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

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/10/2023 2:48:18 PM

JOB DESCRIPTION

HOBBS JUNCTION MAINLINE (HJM)
SDG NUMBER Lea County

JOB NUMBER

890-3721-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

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

Authorization

Generated 1/10/2023 2:48:18 PM

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

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of

Client: Talon/LPE Project/Site: HOBBS JUNCTION MAINLINE (HJM) Laboratory Job ID: 890-3721-1 SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

U Indicates the analyte was analyzed for but not detected.

Metals

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

U Indicates the analyte was analyzed for but not detected.

Glossary

EDL LOD

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DL Detection Limit (DoD/DOE)

DL. RA. RE. IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" MCL Minimum Detectable Activity (Radiochemistry) MDA

Estimated Detection Limit (Dioxin)

MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit

MI Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit **PQL**

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Case Narrative

Client: Talon/LPE

Job ID: 890-3721-1

Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Job ID: 890-3721-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3721-1

Receipt

The sample was received on 12/28/2022 12:24 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-83836 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

Metals

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

General Chemistry

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

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Matrix: Water

Lab Sample ID: 890-3721-1

12/29/22 17:49

Client Sample Results

Client: Talon/LPE

Job ID: 890-3721-1

Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Client Sample ID: MW-23

Date Collected: 12/28/22 10:35 Date Received: 12/28/22 12:24

Ferrous Iron (SM 3500 FE D)

Sample Depth: N/A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	<0.000453	U	0.00500	0.000453	mg/L			01/05/23 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	107		70 - 130					01/05/23 16:12	1
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	1.65		0.100	0.0391	mg/L			12/29/22 16:47	1
Sulfate	109		0.500	0.109	mg/L			12/29/22 16:47	1
Method: SW846 6020A - Metals (I Analyte	•	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
•	•	Qualifier	RL 0.00200	MDL 0.000224		<u>D</u>	Prepared 01/07/23 10:30	Analyzed 01/09/23 21:14	Dil Fac
Analyte	Result	Qualifier				<u>D</u>			Dil Fac
Analyte Manganese General Chemistry	Result 0.00528	Qualifier Qualifier			mg/L	<u>D</u>			Dil Fac
Analyte Manganese General Chemistry Analyte	Result 0.00528	<u> </u>	0.00200	0.000224	mg/L		01/07/23 10:30	01/09/23 21:14	1
Analyte Manganese	Result 0.00528	<u> </u>	0.00200 RL	0.000224 MDL 4.00	mg/L Unit		01/07/23 10:30	01/09/23 21:14 Analyzed	1
Analyte Manganese General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM	Result 0.00528 Result 295	Qualifier	0.00200 RL 4.00	0.000224 MDL 4.00 4.00	mg/L Unit mg/L		01/07/23 10:30	01/09/23 21:14 Analyzed 01/03/23 14:59	1
Analyte Manganese General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3	Result 0.00528 Result 295 295	Qualifier U	0.00200 RL 4.00 4.00	0.000224 MDL 4.00 4.00 4.00	mg/L Unit mg/L mg/L		01/07/23 10:30	01/09/23 21:14 Analyzed 01/03/23 14:59 01/03/23 14:59	Dil Fac

0.0500

0.160 HF

0.0280 mg/L

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Surrogate Summary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		fluoroethan	
Lab Sample ID	Client Sample ID	(70-130)	
890-3721-1	MW-23	107	
LCS 860-84285/5	Lab Control Sample	111	
LCSD 860-84285/6	Lab Control Sample Dup	111	
MB 860-84285/4	Method Blank	112	
Surrogate Legend			

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01/05/23 14:16

QC Sample Results

Client: Talon/LPE Job ID: 890-3721-1

Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-84285/4 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water Analysis Batch: 84285

мв мв Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac 0.00500

0.000453

mg/L

MB MB

<0.000453 U

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Trifluoroethane 112 70 - 130 01/05/23 14:16

Lab Sample ID: LCS 860-84285/5 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 84285

Methane

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits

0.0199 0.01885 95 Methane mg/L 70 - 130

LCS LCS

Qualifier Surrogate %Recovery Limits Trifluoroethane 111 70 - 130

Lab Sample ID: LCSD 860-84285/6 Client Sample ID: Lab Control Sample Dup

Matrix: Water Prep Type: Total/NA

Analysis Batch: 84285

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit Methane 0.0199 0.01880 95 70 - 130 30 mg/L

LCSD LCSD

Surrogate %Recovery Qualifier Limits Trifluoroethane 111 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-83836/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83836

Result Qualifier RL MDL Unit Analyte D Prepared Analyzed Dil Fac Sulfate <0.109 U 0.500 0.109 mg/L 12/29/22 15:27

Lab Sample ID: LCS 860-83836/4 Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA

Analysis Batch: 83836

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Sulfate 10.0 9.358 90 - 110 mg/L

Lab Sample ID: LCSD 860-83836/5 Client Sample ID: Lab Control Sample Dup

Analysis Batch: 83836

LCSD LCSD Spike

MB MB

Added Qualifier Analyte Result Unit %Rec Limits RPD Limit Sulfate 10.0 9.333 93 90 - 110 0 mg/L

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Prep Type: Total/NA

%Rec

RPD

Lab Sample ID: LLCS 860-83836/7

Client Sample ID: Lab Control Sample

50 - 150

109

QC Sample Results

Client: Talon/LPE Job ID: 890-3721-1

Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Matrix: Water Prep Type: Total/NA Analysis Batch: 83836 Spike LLCS LLCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D

0.500

Lab Sample ID: 890-3721-1 MS Client Sample ID: MW-23 **Matrix: Water** Prep Type: Total/NA

0.5451

mg/L

Analysis Batch: 83836

Sulfate

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Sulfate 109 10.0 133.6 4 mg/L 243 90 - 110

Lab Sample ID: 890-3721-1 MSD Client Sample ID: MW-23 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 83836

MSD MSD RPD Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Sulfate 109 133.4 10.0 mg/L 241 90 - 110

Lab Sample ID: MB 860-83837/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83837

мв мв

Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac Nitrate as N <0.0391 0.100 0.0391 ma/L 12/29/22 15:27

Lab Sample ID: LCS 860-83837/4 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 83837

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate as N 10.0 9.430 mg/L 80 - 120

Lab Sample ID: LCSD 860-83837/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83837

Spike LCSD LCSD %Rec RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Nitrate as N 10.0 9 4 1 4 mg/L 80 - 120

Lab Sample ID: LLCS 860-83837/6 Client Sample ID: Lab Control Sample

Matrix: Water Analysis Batch: 83837

LLCS LLCS Spike %Rec Added Result Qualifier Limits Analyte Unit D %Rec Nitrate as N 0.100 0.1189 mg/L 119 50 - 150

Lab Sample ID: 890-3721-1 MS Client Sample ID: MW-23

Matrix: Water

Analysis Batch: 83837

Released to Imaging: 6/6/2023 4:01:08 PM

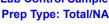
Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Nitrate as N 1.65 10.0 11.13 mg/L 95 80 - 120

Eurofins Carlsbad

Prep Type: Total/NA







QC Sample Results

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-3721-1 MSD Client Sample ID: MW-23 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83837

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N	1.65		10.0	11.11		mg/L		95	80 - 120	0	15

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-84810/1-A Client Sample ID: Method Blank **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 85132

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000224	U	0.00200	0.000224	ma/l		01/07/23 10:30	01/09/23 21:05	1

Lab Sample ID: LCS 860-84810/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 85132

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Manganese		0.100	0.09943		mg/L	_	99	80 - 120	

Lab Sample ID: LCSD 860-84810/3-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 85132

Prep Batch: 84810 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits Limit

Manganese 0.100 0.09711 80 - 120 mg/L

Lab Sample ID: 890-3721-1 MS **Matrix: Water**

Analysis Batch: 85132

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	%R	ec Limits	
Manganese	0.00528		0.100	0.09494		mg/L		90 75 - 125	

Lab Sample ID: 890-3721-1 MSD

Matrix: Water									Prep ⁻	Type: To	tal/NA
Analysis Batch: 85132									Prep	Batch:	84810
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Manganese	0.00528		0.100	0.09839		mg/L		93	75 - 125	4	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-84201/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84201

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1

Eurofins Carlsbad

Prep Batch: 84810

Prep Batch: 84810

Client Sample ID: MW-23

Client Sample ID: MW-23

Prep Type: Total/NA Prep Batch: 84810

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-84201/3 Client Sample ID: Method Blank **Matrix: Water**

Prep Type: Total/NA

Analysis Batch: 84201

MB MB Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Phenolphthalein Alkalinity <4.00 U 4.00 4.00 mg/L 01/03/23 11:37

Lab Sample ID: LCS 860-84201/4 **Client Sample ID: Lab Control Sample**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 84201

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit Limits D %Rec Alkalinity 250 248.7 mg/L 99 85 - 115

Lab Sample ID: LCSD 860-84201/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84201

LCSD LCSD Spike %Rec **RPD** %Rec RPD Analyte Added Result Qualifier Unit Limits Limit D Alkalinity 250 255.2 mg/L 102 85 - 115 20

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

Lab Sample ID: MB 860-83873/3 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 83873

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Ferrous Iron <0.0280 U 0.0500 0.0280 mg/L 12/29/22 17:49

MB MB

Lab Sample ID: LCS 860-83873/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83873

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit Limits 1.00 Ferrous Iron 0.9100 mg/L 75 - 125

Lab Sample ID: LCSD 860-83873/5 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 83873

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Ferrous Iron 1.00 0.9100 75 - 125 0 mg/L

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QC Association Summary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

GC VOA

Analysis Batch: 84285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	RSK-175	
MB 860-84285/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-84285/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-84285/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 83836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	300.0	
MB 860-83836/3	Method Blank	Total/NA	Water	300.0	
LCS 860-83836/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-83836/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-83836/7	Lab Control Sample	Total/NA	Water	300.0	
890-3721-1 MS	MW-23	Total/NA	Water	300.0	
890-3721-1 MSD	MW-23	Total/NA	Water	300.0	

Analysis Batch: 83837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	300.0	
MB 860-83837/3	Method Blank	Total/NA	Water	300.0	
LCS 860-83837/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-83837/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-83837/6	Lab Control Sample	Total/NA	Water	300.0	
890-3721-1 MS	MW-23	Total/NA	Water	300.0	
890-3721-1 MSD	MW-23	Total/NA	Water	300.0	

Metals

Prep Batch: 84810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	3010A	
MB 860-84810/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-84810/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-84810/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
890-3721-1 MS	MW-23	Total/NA	Water	3010A	
890-3721-1 MSD	MW-23	Total/NA	Water	3010A	

Analysis Batch: 85132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	6020A	84810
MB 860-84810/1-A	Method Blank	Total/NA	Water	6020A	84810
LCS 860-84810/2-A	Lab Control Sample	Total/NA	Water	6020A	84810
LCSD 860-84810/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	84810
890-3721-1 MS	MW-23	Total/NA	Water	6020A	84810
890-3721-1 MSD	MW-23	Total/NA	Water	6020A	84810

General Chemistry

Analysis Batch: 83873

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	SM 3500 FE D	

Eurofins Carlsbad

QC Association Summary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

General Chemistry (Continued)

Analysis Batch: 83873 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-83873/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-83873/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-83873/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	

Analysis Batch: 84201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3721-1	MW-23	Total/NA	Water	SM 2320B	
MB 860-84201/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-84201/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-84201/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

Client Sample ID: MW-23

Lab Sample ID: 890-3721-1 Date Collected: 12/28/22 10:35

Matrix: Water

Date Received: 12/28/22 12:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	84285	01/05/23 16:12	DD	EET HOU
Total/NA	Analysis	300.0		1			83836	12/29/22 16:47	A1S	EET HOU
Total/NA	Analysis	300.0		1			83837	12/29/22 16:47	A1S	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	84810	01/07/23 10:30	MD	EET HOU
Total/NA	Analysis	6020A		1			85132	01/09/23 21:14	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			84201	01/03/23 14:59	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	83873	12/29/22 17:49	SCI	EET HOU

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM) SDG: Lea County

Laboratory: Eurofins Houston

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

thority	Pr	ogram	Identification Number	Expiration Date
xas	N	ELAP	T104704215-22-48	06-30-23
The following analytes the agency does not of	·	ut the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
SM 2320B		Water	Bicarbonate Alkalinity as CaCC	03
SM 2320B		Water	Carbonate Alkalinity as CaCO3	3
SM 2320B SM 2320B		Water Water	Carbonate Alkalinity as CaCO3 Hydroxide Alkalinity	3
			•	3

Method Summary

Client: Talon/LPE Job ID: 890-3721-1 Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

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

Eurofins Carlsbad

Sample Summary

Client: Talon/LPE

Job ID: 890-3721-1

Project/Site: HOBBS JUNCTION MAINLINE (HJM)

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3721-1	MW-23	Water	12/28/22 10:35	12/28/22 12:24	N/A

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Xenco

Environment Testing

Company Name:

Talon LPE David Adkins

408 Texas St.

SRS# 2003-00017

Attn: Camille Bryant Plains All American Pipeline

State of Project:

Reporting: Level II Level III PST/UST TRRP

Level IV

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

Work Order Comments

Bill to: (if different) Company Name:

11 12 13

Chain of Custody

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

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Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Time	5	ture)	Received by: (Signature)	Receive	hature)	Relinquished by: (Signature)
	It assigns standard terms and conditions re due to circumstances beyond the control swill be enforced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotia	pany to Eurofins Xenco, its osses or expenses incurre bmitted to Eurofins Xenco	n client com lity for any h sample su	rchase order fron ne any responsibi arge of \$5 for eac	titutes a valid pu d shall not assun project and a ch	f samples cons of samples an pplied to each	ent and relinquishment one liable only for the cost that go of \$85.00 will be a	ice: Signature of this documervice. Eurofins Xenco will turofins Xenco will turofins Xenco. A minimum o
7470 /7471	Ag TI U Hg: 1631 / 245.1 / 7470 / 7471	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	Sb As Ba Be Cd	RCRA	TCLP / SPLP 6010: 8RCRA	TCLP / S	red	etal(s) to be analyz	Circle Method(s) and Metal(s) to be analyzed
TI Sn U V Zn	Mg Mn Mo Ni K Se Ag SiO₂ Na Sr TI	Ca Cr Co Cu Fe Pb	Sb As Ba Be B Cd	≥	13PPM Texas 11	8RCRA 13F	~	200.8 / 6020:	Total 200.7 / 6010
Maochoa@paalp.com	Mao								
CJBryant@paalp.com	GJB								
Email Analyticals to:	Em		×	5	N/A	10:35	12/28/21	- GW	MW-23
Sample Comments	Sar		MNA P	b) # of Cont	Depth Grab/	Time Sampled	Date Sampled	tion Matrix	Sample Identification
NaOH+Ascorbic Acid: SAPC	NaOH+A:		aram		4.0	Corrected Temperature:	Corrected		Total Containers:
Zn Acetate+NaOH: Zn		890-3/21 Chain of Custody	neter		5	Temperature Reading:	Temperatu	Yes No NIA	Sample Custody Seals:
NaSO ₃	IIII IIII IIII Na ₂ S ₂ O ₃ : NaSO ₃		's	Pa	6.0	Factor:	Correction Factor:	Yes No NIA	Cooler Custody Seals:
NABIS	NaHSO ₄ : NABIS			arar	FOOM	ter ID:	Thermometer ID:	Yes No	Samples Received Intact:
P	H₃PO₄: HP			nete	Yes No	Wet Ice:	(Yes) No	Temp Blank:	SAMPLE RECEIPT
NaOH: Na				Ь.	the lab, if received by 4:30pm	the lab, if rec	270	SRS# 2003-00017	PO#
HNO ₃ : HN	HCL: HC			×	TAT starts the day received by	TAT starts th	Rose	1 60002. N. Rose	Sampler's Name:
ol MeOH: Me	Cool: Cool					Due Date:		Lea, County	Project Location:
DI Water: H ₂ O	None: NO			Code	Rush	✓ Routine			Project Number:
Preservative Codes		ANALYSIS REQUEST			Turn Around	Turn	line (HJM)	Hobbs Junction Mainline (HJM)	Project Name: Ho
Other:	Deliverables: EDD		Email: dadkins@talonlpe.com, mgomez@talonlpe.com	onlpe.co	dadkins@tal	Email:		575-441-4835	Phone: 575-
	ַ 	TO TO TO TO TO TO TO TO TO TO TO TO TO T	01.00 F000-000 11	.Ÿ	City, State ZIP:			Artesia, NM 88210	City, State ZIP: Artes

Eurofins Carlsbad

Chain of Custody Record

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1089 N Canal St. Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199		hain of	Chain of Custody Record	Record				ka/in 			eurofins	Environment Testing
Client Information (Sub Contract Lab)	Sampler		Kra Kra	Lab PM: Kramer Jessica			Came	Camer Tracking No(s):	lo(s):		COC No: 890-1079.1	
	Phone:		E-Mail: Jessic	E-Mail: Jessica.Kramer@et.eurofinsus.com)et.eurofinsi	us.com	State New	State of Origin New Mexico			Page: Page 1 of 1	
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP Texas	Required (See	note):					Job#. 890-3721-1	
Address 4145 Greenbriar Dr	Due Date Requested: 1/4/2023					Analysis	Requested	ted			Preservation Codes:	es: M. Hexane
City: Stafford	TAT Requested (days):	ÿ.			_	=				\dashv	B NaOH C Zn Acetate	N None O AsNaO2
State, Zip: TX, 77477	l			401						-		Q Na2SO3
Phone: 281-240-4200(Tel)	PO ##									-	G Amchior	
Email.	#OW									8		U Acetone V MCAA
Project Name: Project Name:	Project #: 89000047			s or l						tainér	L EDA	
Site:	SSOW#:			SD (Ÿ						of con	Other-	
		S	Sample Matrix	WS/WS	D/ Ferre	0A (MC				nberc		
Sample Identification Client ID (Lab ID)	Sample Date	Sample (C:	B .	Field Fijte Perform i 300_ORGF	300_ORGF 3600_FE_0 2320B/ Alk	6020A/301		•		Total Nun	Special Ins	Special Instructions/Note:
uu		/ }		X						X		
MW-23 (890-3721-1)	12/28/22 N	10:35 Mountain	Water	×	x x x	×				5		
										1		
			+									
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is towarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.	nt Testing South Central, bove for analysis/tests/ma entral, LLC attention imme	LLC places the catrix being analyzediately. If all rec	wnership of method, and the samples must be presented accreditations and the samples must be seen as the samples are samples and the samples are samples and the samples are samples as the samples are samples as the samples are samples as the samples are samples as the samples are samples as the samples are samples as the samples are samples as the samples are samples as the samples are samples are samples as the samples are lalyte & accreditati e shipped back to tre current to date,	ion compliance the Eurofins B return the sign	e upon our su Environment ned Chain of	bcontract lab Testing Soutt Custody atte	oratories, `\ n Central, LL sting to said	his sample C laborator compliance	shipment y or other to Eurofi	is forwarded under chi instructions will be pro ns Environment Testin	iain-of-custody. If the wided. Any changes to g South Central, LLC.	
Possible Hazard Identification Unconfirmed				Sample I	Sample Disposal (A fee may be assessed if samples are retained longer Return To Client Disposal By Lah Archive For	A fee may	be asses	assessed if san Disposal By Lab	nples are	retain	than 1	month)
Deliverable Requested: I II III, IV Other (specify)	Primary Deliverable Rank: 2	le Rank: 2		Special Ir	Special Instructions/QC		Requirements.	,				
linqui	;d	Date:		Time:				Method of Shipment	hipment			
Refinquished by: ())	Date/Time:		Company	Received by:	77	×3,09			Date/Time:			Company
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Relinquished by:	Date/Time:		Company	CReceived by:	1				Date/Time:	:		
Custody Seals Intact Custody Seal No.				Cooler	Cooler Temperature(s) °C		and Other Remark	C/F:+0.3 1,4	312	<u>,</u>	, , , , , , , , , , , , , , , , , , ,	
								Tama.	Tamme ID ID-I	<u> </u>	. Г. Т.	Ver 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3721-1

SDG Number: Lea County

Login Number: 3721 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

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

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3721-1

SDG Number: Lea County

Login Number: 3721 List Source: Eurofins Houston
List Number: 2 List Creation: 12/29/22 01:22 PM

Creator: Pena, Jesiel

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

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/11/2023 2:59:07 PM

JOB DESCRIPTION

Hobbs Junction Mainline (HJM) SDG NUMBER Lea County NM

JOB NUMBER

880-23177-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 1/11/2023 2:59:07 PM

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

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Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)
Laboratory Job ID: 880-23177-1
SDG: Lea County NM

Table of Contents

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Definitions/Glossary

Client: Talon/LPE Job ID: 880-23177-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Qualifiers

GC VOA

Qualifier **Qualifier Description** Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

U Indicates the analyte was analyzed for but not detected.

Metals

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier **Qualifier Description**

HF Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present **Practical Quantitation Limit PQL**

PRES

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Released to Imaging: 6/6/2023 4:01:08 PM

Eurofins Midland

Presumptive **Quality Control**

Case Narrative

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-23177-1

SDG: Lea County NM

Job ID: 880-23177-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23177-1

Receipt

The samples were received on 12/29/2022 4:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C

GC VOA

Method RSK_175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-21 (880-23177-2). Elevated reporting limits (RLs) are provided.

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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-84010 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

General Chemistry

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

Client Sample Results

Client: Talon/LPE Job ID: 880-23177-1
Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Client Sample ID: MW-25 Lab Sample ID: 880-23177-1

Date Collected: 12/29/22 09:15

Date Received: 12/29/22 16:11

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1330		5.00	0.453	ug/L			01/05/23 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	104		70 - 130					01/05/23 16:40	1
Method: MCAWW 300.0 - Anions, lo	n Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.342		0.100	0.0391	mg/L			12/31/22 00:04	1
Sulfate	66.0		0.500	0.109	mg/L			12/31/22 00:04	1
Method: SW846 6020A - Metals (ICP	D/MS)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese -	0.0267		0.00200	0.000224	ma/l		0.1.14.0.100.000.00		
manganooo	0.0201		0.00200	0.000224	mg/L		01/10/23 08:30	01/10/23 22:56	1
General Chemistry	0.0201		0.00200	0.000224	mg/L		01/10/23 08:30	01/10/23 22:56	1
General Chemistry		Qualifier	RL	MDL	J	D	01/10/23 08:30 Prepared	01/10/23 22:56 Analyzed	Dil Fac
General Chemistry Analyte		Qualifier		MDL	J	<u>D</u>			Dil Fac
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3	Result	Qualifier	RL	MDL 4.00	Unit	<u>D</u>		Analyzed	Dil Fac
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM	Result 293		RL 4.00	MDL 4.00 4.00	Unit mg/L	<u>D</u>		Analyzed 01/03/23 15:07	Dil Fac 1 1
	Result 293 293	U	RL 4.00 4.00	MDL 4.00 4.00	Unit mg/L mg/L	<u>D</u>		Analyzed 01/03/23 15:07 01/03/23 15:07	1
General Chemistry Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM 2320B)	Result 293 293 <4.00	U	RL 4.00 4.00 4.00	MDL 4.00 4.00 4.00	Unit mg/L mg/L mg/L	<u>D</u>		Analyzed 01/03/23 15:07 01/03/23 15:07 01/03/23 15:07	1

Client Sample ID: MW-21

Date Collected: 12/29/22 10:40

Lab Sample ID: 880-23177-2

Matrix: Water

Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1860		50.0	4.53	ug/L			01/05/23 17:44	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluoroethane	104		70 - 130					01/05/23 16:56	1
Trifluoroethane	101		70 - 130					01/05/23 17:44	10
Method: MCAWW 300.0 - Anions	, Ion Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.352		0.100	0.0391	mg/L			12/31/22 01:10	
Sulfate	26.7		0.500	0.109	mg/L			12/31/22 01:10	1
Method: SW846 6020A - Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0611		0.00200	0.000224	mg/L		01/10/23 08:30	01/10/23 23:16	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	394		4.00	4.00	mg/L			01/03/23 15:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	394		4.00	4.00	mg/L			01/03/23 15:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/03/23 15:16	1

Eurofins Midland

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Client Sample Results

Client: Talon/LPE Job ID: 880-23177-1
Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Client Sample ID: MW-21 Lab Sample ID: 880-23177-2

Date Collected: 12/29/22 10:40

Date Received: 12/29/22 16:11

Matrix: Water

General Chemistry (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/03/23 15:16	1
Phenolphthalein Alkalinity (SM 2320B)	<4.00	U	4.00	4.00	mg/L			01/03/23 15:16	1
Ferrous Iron (SM 3500 FE D)	0.510	HF	0.0500	0.0280	mg/L			01/05/23 14:45	1

Client Sample ID: MW-24

Date Collected: 12/29/22 12:20

Lab Sample ID: 880-23177-3

Matrix: Water

Date Received: 12/29/22 16:11

Method: RSK-175 - Dissolved Gas	ses (GC)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.554	J	5.00	0.453	ug/L			01/05/23 17:13	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Trifluoroethane	106		70 - 130					01/05/23 17:13	
Method: MCAWW 300.0 - Anions,	Ion Chromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	2.30		0.100	0.0391	mg/L			12/31/22 01:23	
Sulfate	95.4		0.500	0.109	mg/L			12/31/22 01:23	
Marks at CMOAC COOOA Marks to (I	OD/MO)								
Method: SW846 6020A - Metals (I	•	0 115				_			5".
Analyte		Qualifier	RL -	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Manganese	0.00545		0.00200	0.000224	mg/L		01/10/23 08:30	01/10/23 23:19	1
General Chemistry									
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
General Chemistry Analyte Alkalinity (SM 2320B)	Result 234	Qualifier	RL 4.00		Unit mg/L	<u>D</u>	Prepared	Analyzed 01/03/23 15:26	Dil Fac
Analyte Alkalinity (SM 2320B)		Qualifier		4.00		<u>D</u>	Prepared		
Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3	234	Qualifier	4.00	4.00	mg/L	<u>D</u>	Prepared	01/03/23 15:26	
Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM	234	<u></u>	4.00	4.00 4.00	mg/L	<u>D</u>	Prepared	01/03/23 15:26	
Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM 2320B)	234 234 <4.00	U	4.00 4.00 4.00	4.00 4.00 4.00	mg/L mg/L mg/L	<u>D</u>	Prepared	01/03/23 15:26 01/03/23 15:26 01/03/23 15:26	
Analyte Alkalinity (SM 2320B) Bicarbonate Alkalinity as CaCO3 (SM 2320B) Carbonate Alkalinity as CaCO3 (SM 2320B) Hydroxide Alkalinity (SM 2320B)	234 234	U	4.00	4.00 4.00 4.00	mg/L mg/L	<u>D</u>	Prepared	01/03/23 15:26 01/03/23 15:26	Dil Fac
Analyte	234 234 <4.00	U	4.00 4.00 4.00	4.00 4.00 4.00	mg/L mg/L mg/L	<u>D</u>	Prepared	01/03/23 15:26 01/03/23 15:26 01/03/23 15:26	1

Surrogate Summary

Client: Talon/LPE Job ID: 880-23177-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Method: RSK-175 - Dissolved Gases (GC)

Matrix: Water Prep Type: Total/NA

(70-130) 104 104	
104	
101	
106	
111	
ıp 111	
112	
)u	111 Dup 111

QC Sample Results

Client: Talon/LPE Job ID: 880-23177-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

RL

5.00

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 860-84285/4

Matrix: Water

Lab Sample ID: LCS 860-84285/5

Analysis Batch: 84285

Analyte

Trifluoroethane

Matrix: Water

мв мв

Methane <0.453 U

MB MB Surrogate %Recovery

112

Result Qualifier

Qualifier

Limits 70 - 130

D

D

%Rec

Prepared

%Rec

95

D

Prepared

Prepared

%Rec

95

Client Sample ID: Lab Control Sample

%Rec

Limits

70 - 130

%Rec

Limits

70 - 130

Client Sample ID: Method Blank

Analyzed

12/30/22 19:53

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

01/05/23 14:16

Analyzed

01/05/23 14:16

Prep Type: Total/NA

Result

18.85

LCS LCS

LCSD LCSD

Qualifier

MDL Unit

mg/L

0.109

LCS LCS

Result

9.447

Result

18.80

Qualifier

Unit

ug/L

Unit

ug/L

MDL Unit

0.453 ug/L

Analysis Batch: 84285

Analyte Methane

> LCS LCS Qualifier %Recovery 111

Limits 70 - 130

Spike

Added

19.9

Spike

Added

Lab Sample ID: LCSD 860-84285/6 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Surrogate

Analyte

Trifluoroethane

Analysis Batch: 84285

Methane 19.9 LCSD LCSD

Surrogate %Recovery Qualifier Limits Trifluoroethane 111 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-84010/3

Matrix: Water

Analysis Batch: 84010

MB MB

Analyte

Result Qualifier Sulfate <0.109 U

Lab Sample ID: LCS 860-84010/4

Matrix: Water

Analysis Batch: 84010

Analyte

Sulfate

Lab Sample ID: LCSD 860-84010/5 **Matrix: Water**

Analysis Batch: 84010

Analyte Sulfate

LCSD LCSD Spike Added Result 10.0

RL

0.500

Spike

Added

10.0

Qualifier 9.450

Qualifier

Unit

mg/L

Unit mg/L

D

%Rec %Rec

Limits 90 - 110

0

RPD

Limit

Eurofins Midland

Dil Fac

Dil Fac

RPD

Limit

Dil Fac

30

RPD

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

RPD

Lab Sample ID: LLCS 860-84010/7

Client Sample ID: Lab Control Sample

%Rec

Job ID: 880-23177-1

Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Matrix: Water						Prep T	ype: Total/NA
Analysis Batch: 84010							
	Spike	LLCS	LLCS			%Rec	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
Sulfate	0.500	0.5538	m	g/L	111	50 - 150	

Lab Sample ID: 880-23177-1 MS Client Sample ID: MW-25 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84010 Sample Sample Spike MS MS

Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Sulfate 66.0 10.0 75.09 4 mg/L 91 90 - 110

Lab Sample ID: 880-23177-1 MSD Client Sample ID: MW-25 **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84010

MSD MSD RPD Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Sulfate 66.0 10.0 75.11 mg/L 90 - 110

Lab Sample ID: MB 860-84011/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84011

мв мв Result Qualifier RL **MDL** Unit Analyte Prepared Analyzed Dil Fac Nitrate as N <0.0391 0.100 0.0391 ma/L 12/30/22 19:53

Lab Sample ID: LCS 860-84011/4 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84011

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate as N 10.0 9.561 mg/L 96 80 - 120

Lab Sample ID: LCSD 860-84011/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84011

Spike LCSD LCSD %Rec RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Nitrate as N 10.0 9.555 mg/L 80 - 120

Lab Sample ID: LLCS 860-84011/6 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84011

LLCS LLCS %Rec Spike Added Result Qualifier Analyte Unit D %Rec Limits Nitrate as N 0.100 0.1201 mg/L 120 50 - 150

Lab Sample ID: 880-23177-1 MS Client Sample ID: MW-25 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84011

Analysis Baton, 64611										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N	0.342		10.0	9.768		mg/L		94	80 - 120	

Client Sample ID: MW-25

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 85070

Prep Batch: 85070

Prep Type: Total/NA Prep Batch: 85070

Client Sample ID: MW-25

Client Sample ID: MW-25 Prep Type: Total/NA

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 85070

QC Sample Results

Job ID: 880-23177-1 Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-23177-1 MSD

Matrix: Water Analysis Batch: 84011

7a. , 0.0 2 a.c 0 10 11	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Nitrate as N	0.342		10.0	9.760		mg/L		94	80 - 120	0	15	

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-85070/1-A

Matrix: Water

Analysis Batch: 85305

MB	MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	<0.000224	U	0.00200	0.000224	mg/L		01/10/23 08:30	01/10/23 22:47	1

Lab Sample ID: LCS 860-85070/2-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA **Matrix: Water**

Analysis Batch: 85305

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Manganese	0.100	0.1024	mg/L		102	80 - 120	_

Lab Sample ID: LCSD 860-85070/3-A

Matrix: Water

Anai	ysis	Daten	1: 05305	

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Manganese	0.100	0.1017	mg/L		102	80 - 120	1	20

Lab Sample ID: 880-23177-1 MS

Matrix: Water

Analysis Batch: 85305

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Manganese	0.0267		0.100	0.1205		mg/L	_	94	75 - 125	

Lab Sample ID: 880-23177-1 MSD

Matrix: Water
A

Analysis	Batch:	85305

	Analysis Batch: 85305									Prep	Batch:	85070
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
l	Manganese	0.0267		0.100	0.1185		mg/L		92	75 - 125	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-84201/3

Matrix: Water

Analysis Batch: 84201

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Bicarbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Carbonate Alkalinity as CaCO3	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1
Hydroxide Alkalinity	<4.00	U	4.00	4.00	mg/L			01/03/23 11:37	1

QC Sample Results

Client: Talon/LPE Job ID: 880-23177-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 860-84201/3 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

MB MB

MB MB

Analysis Batch: 84201

Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared Phenolphthalein Alkalinity <4.00 IJ 4 00 4.00 mg/L 01/03/23 11:37

Lab Sample ID: LCS 860-84201/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84201

Spike LCS LCS %Rec Added Analyte Result Qualifier Limits Unit D %Rec Alkalinity 250 248.7 mg/L 99 85 - 115

Lab Sample ID: LCSD 860-84201/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84201

LCSD LCSD Spike %Rec **RPD** RPD Added Analyte Result Qualifier Unit D %Rec Limits Limit Alkalinity 250 255.2 mg/L 102 85 - 115 20

Lab Sample ID: 870-13491-B-4 DU **Client Sample ID: Duplicate Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84201

	7 , 0.0 2.10 0 .20 .	Sample	Sample	DII	DU				RPD
	Analyte	•	Qualifier		Qualifier	Unit	D	RPD	Limit
	Alkalinity	<4.00	U	<4.00	U	mg/L			20
	Bicarbonate Alkalinity as CaCO3	<4.00	U	<4.00	U	mg/L		NC	20
	Carbonate Alkalinity as CaCO3	<4.00	U	<4.00	U	mg/L		NC	20
	Hydroxide Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20
L	Phenolphthalein Alkalinity	<4.00	U	<4.00	U	mg/L		NC	20

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

Lab Sample ID: MB 860-84543/3 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84543

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ferrous Iron	<0.0280	U	0.0500	0.0280	mg/L			01/05/23 14:45	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 860-84543/4 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 84543

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Un	it D	%Rec	Limits	
Ferrous Iron	1.00	0.8900	mg		89	75 - 125	

Lab Sample ID: LCSD 860-84543/5 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 84543

LCSD LCSD RPD Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec RPD Limit 1.00 0.8900 89 75 - 125 0 Ferrous Iron mg/L

QC Sample Results

Client: Talon/LPE Job ID: 880-23177-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

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

Lab Sample ID: 880-23177-1 DU Client Sample ID: MW-25 **Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 84543								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Ferrous Iron	0.0500	HF	0.05000		mg/L		0	25

QC Association Summary

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-23177-1 SDG: Lea County NM

GC VOA

Analysis Batch: 84285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	RSK-175	
880-23177-2	MW-21	Total/NA	Water	RSK-175	
880-23177-2	MW-21	Total/NA	Water	RSK-175	
880-23177-3	MW-24	Total/NA	Water	RSK-175	
MB 860-84285/4	Method Blank	Total/NA	Water	RSK-175	
LCS 860-84285/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 860-84285/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

HPLC/IC

Analysis Batch: 84010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	300.0	
880-23177-2	MW-21	Total/NA	Water	300.0	
880-23177-3	MW-24	Total/NA	Water	300.0	
MB 860-84010/3	Method Blank	Total/NA	Water	300.0	
LCS 860-84010/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-84010/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-84010/7	Lab Control Sample	Total/NA	Water	300.0	
880-23177-1 MS	MW-25	Total/NA	Water	300.0	
880-23177-1 MSD	MW-25	Total/NA	Water	300.0	

Analysis Batch: 84011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	300.0	
880-23177-2	MW-21	Total/NA	Water	300.0	
880-23177-3	MW-24	Total/NA	Water	300.0	
MB 860-84011/3	Method Blank	Total/NA	Water	300.0	
LCS 860-84011/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-84011/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-84011/6	Lab Control Sample	Total/NA	Water	300.0	
880-23177-1 MS	MW-25	Total/NA	Water	300.0	
880-23177-1 MSD	MW-25	Total/NA	Water	300.0	

Metals

Prep Batch: 85070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	3010A	<u> </u>
880-23177-2	MW-21	Total/NA	Water	3010A	
880-23177-3	MW-24	Total/NA	Water	3010A	
MB 860-85070/1-A	Method Blank	Total/NA	Water	3010A	
LCS 860-85070/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 860-85070/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
880-23177-1 MS	MW-25	Total/NA	Water	3010A	
880-23177-1 MSD	MW-25	Total/NA	Water	3010A	

Analysis Batch: 85305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	6020A	85070
880-23177-2	MW-21	Total/NA	Water	6020A	85070
880-23177-3	MW-24	Total/NA	Water	6020A	85070

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QC Association Summary

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

Job ID: 880-23177-1 SDG: Lea County NM

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Metals (Continued)

Analysis Batch: 85305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-85070/1-A	Method Blank	Total/NA	Water	6020A	85070
LCS 860-85070/2-A	Lab Control Sample	Total/NA	Water	6020A	85070
LCSD 860-85070/3-A	Lab Control Sample Dup	Total/NA	Water	6020A	85070
880-23177-1 MS	MW-25	Total/NA	Water	6020A	85070
880-23177-1 MSD	MW-25	Total/NA	Water	6020A	85070

General Chemistry

Analysis Batch: 84201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	SM 2320B	
880-23177-2	MW-21	Total/NA	Water	SM 2320B	
880-23177-3	MW-24	Total/NA	Water	SM 2320B	
MB 860-84201/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-84201/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-84201/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
870-13491-B-4 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 84543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23177-1	MW-25	Total/NA	Water	SM 3500 FE D	
880-23177-2	MW-21	Total/NA	Water	SM 3500 FE D	
880-23177-3	MW-24	Total/NA	Water	SM 3500 FE D	
MB 860-84543/3	Method Blank	Total/NA	Water	SM 3500 FE D	
LCS 860-84543/4	Lab Control Sample	Total/NA	Water	SM 3500 FE D	
LCSD 860-84543/5	Lab Control Sample Dup	Total/NA	Water	SM 3500 FE D	
880-23177-1 DU	MW-25	Total/NA	Water	SM 3500 FE D	

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-23177-1 SDG: Lea County NM

Lab Sample ID: 880-23177-1

Matrix: Water

Date Collected: 12/29/22 09:15 Date Received: 12/29/22 16:11

Client Sample ID: MW-25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	84285	01/05/23 16:40	DD	EET HOU
Total/NA	Analysis	300.0		1			84010	12/31/22 00:04	RBNS	EET HOU
Total/NA	Analysis	300.0		1			84011	12/31/22 00:04	RBNS	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	85070	01/10/23 08:30	MD	EET HOU
Total/NA	Analysis	6020A		1			85305	01/10/23 22:56	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			84201	01/03/23 15:07	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	84543	01/05/23 14:45	SCI	EET HOU

Client Sample ID: MW-21

Date Collected: 12/29/22 10:40

Date Received: 12/29/22 16:11

Lab Sample ID: 880-23177-2

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number Type Run Factor or Analyzed Analyst Lab Total/NA Analysis **RSK-175** 33 mL 33 mL 84285 01/05/23 16:56 DD **EET HOU** Total/NA Analysis RSK-175 10 33 mL 33 mL 84285 01/05/23 17:44 DD **EET HOU** Total/NA 300.0 84010 12/31/22 01:10 **RBNS EET HOU** Analysis 1 300.0 **EET HOU** Total/NA Analysis 1 84011 12/31/22 01:10 **RBNS** Total/NA 3010A 50 mL 50 mL 85070 01/10/23 08:30 MD **EET HOU** Prep Total/NA Analysis 6020A 1 85305 01/10/23 23:16 DP **EET HOU** Total/NA Analysis SM 2320B 84201 01/03/23 15:16 TL **EET HOU** Total/NA Analysis SM 3500 FE D 1 25 mL 25 mL 84543 01/05/23 14:45 SCI EET HOU

Client Sample ID: MW-24

Date Collected: 12/29/22 12:20 Date Received: 12/29/22 16:11

Lab Sample ID: 880-23177-3

Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	33 mL	33 mL	84285	01/05/23 17:13	DD	EET HOU
Total/NA	Analysis	300.0		1			84010	12/31/22 01:23	RBNS	EET HOU
Total/NA	Analysis	300.0		1			84011	12/31/22 01:23	RBNS	EET HOU
Total/NA	Prep	3010A			50 mL	50 mL	85070	01/10/23 08:30	MD	EET HOU
Total/NA	Analysis	6020A		1			85305	01/10/23 23:19	DP	EET HOU
Total/NA	Analysis	SM 2320B		1			84201	01/03/23 15:26	TL	EET HOU
Total/NA	Analysis	SM 3500 FE D		1	25 mL	25 mL	84543	01/05/23 14:45	SCI	EET HOU

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 880-23177-1
Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

Laboratory: Eurofins Houston

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

uthority exas		ogram	Identification Number	Expiration Date 06-30-23	
		ELAP	T104704215-22-48		
The following analytes the agency does not of	' '	ut the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for wh	
Analysis Method	Prep Method	Matrix	Analyte		
SM 2320B		Water	Bicarbonate Alkalinity as CaCC	03	
		Water	Carbonate Alkalinity as CaCO3		
SM 2320B		vvaler	Carbonate Atkaining as Cacos)	
SM 2320B SM 2320B		Water	Hydroxide Alkalinity)	
			•	•	

Eurofins Midland

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EET HOU

SW846

Method Summary

Client: Talon/LPE Job ID: 880-23177-1
Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County NM

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

Protocol References:

3010A

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

Preparation, Total Metals

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

Laboratory References:

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

Eurofins Midland

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Sample Summary

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

Job ID: 880-23177-1

SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23177-1	MW-25	Water	12/29/22 09:15	12/29/22 16:11
880-23177-2	MW-21	Water	12/29/22 10:40	12/29/22 16:11
880-23177-3	MW-24	Water	12/29/22 12:20	12/29/22 16:11

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eurofins

Project Manager Company Name.

David Adkins
Talon LPE

Bill to (if different)
Company Name

Plains All American Pipeline
Attn Camille Bryant

ig|Program UST/PST ig| PRPig| Brownfields ig| RRC ig| Superfund ig|

Work Order Comments

www.xenco.com

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Kenco ment Testing

Chain of Custody

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

Work C	
880-23177 Chain of Custody	

Address	408 Texas St		Address		State of Project	
City, State ZIP /	Artesia, NM 88210		City, State ZIP	SRS# 2003-00017	Reporting Level II Level III PST/UST TRRP	ST/UST TRRP Level IV
Phone	575-441-4835	Email		dadkıns@talonipe com, mgomez@talonipe.com	Deliverables EDD [ADal	
Project Name.	Hobbs Junction Mainline (HJM)		Turn Around	ANAI YSIS R	EOHEST	Drogopotico Codo
Project Number		Q Rout	Rush	Pres.		CI YOU
Project Location	Lea, County	Due Date				
Sampler's Name	35	K. Tule TAT starts th	TAT starts the day received by			HCI HC HNO HN
P0#	SRS# 2003-00017 '		the lab if received by 4 30pm	S		•
SAMPLE RECEIPT		No Wet Ice	(Yes) No	eter		H ₂ PO, HP
Samples Received Intact:	Mes No	역	~	ram		NaHSO, NARIS
Cooler Custody Seals	Yes No WAS Correc	Correction Factor	N:0-1			Nasso Naso
Sample Custody Seals	Yes No WA	Temperature Reading	عاث	eters		Zn Acetate+NaOH Zn
Total Containers		Corrected Temperature	2.3	rame		NaOH+Ascorbic Acid SAPC
Sample Identification	ification Matrix Sampled	e Time	Depth Grab/	NA Pau		Sample Comments
52~ MM	GW (2/29/77	-	N/A	+		Emoil Analyticals to
12-21				X		
M/W- 24		17:40		X		Con Yani Wadala Com
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tice Signature of this do	compatible of the second secon		***************************************		3	
stice. Signature of this do service. Eurofins Xenco Eurofins Xenco. A minin	ocument and relinquishment of samples will be liable only for the cost of sample mum charge of \$85.00 will be applied to	constitutes a valid pues and shall not assues and a chall not assues ach project and a ch	urchase order from c me any responsibility parge of \$5 for each s	Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service, Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco but not analyzed. These terms will be enforced unless previously negotiated.	assigns standard terms and conditions due to circumstances beyond the control is enforced unless previously negotiated.	
Relinquished by (Signatufe)	(Signature) // Rec	Received by: (Signature)	iture)	Date/Time Relinquished by: (Signa	nature) Received by (Signature)	ture) Date/Time
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Revised Date: 08/25/2020 Rev 2020.2

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Eurofins Midland

1211 W Florida Ave Midland TX 79701

hone: 432-704-5440

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Chain of Custody Record

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Environment Teshing

State, Zip: TX, 77477 281-240-4200(Tel) Stafford MW-21 (880-23177-2) Sample Identification Client ID (Lab ID) Note: Since laboratory accreditations are subject to change, Eurolins Environment Testing South Central. LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory does not currently maintain accreditation in the State of Origin isted above for analysis/tests/metrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC. MW-24 (880-23177-3) MW-25 (880-23177 1) Client Information Possible Hazard Identification 1145 Greenbriar Dr tobbs Junction Mainline (HJM) elinquished by eliverable Requested: 1 II III IV Other (specify) urofins Environment Testing South Centr elinquished by: oject Name: slinquished by mpty Kit Relin hipping/Receiving Custody Seals Intact:

Δ Yes Δ No rconfirmed (Sub Contract Lab) Custody Seal No. edEx Project #: 89000087 Date/Time Primary Deliverable Rank: 2 ŏ # TAT Requested (days): Due Date Requested: 1/5/2023 Phone Date/Time: Sample Date 12/29/22 12/29/22 2/29/22 Mountain 10:40 Mountain 12:20 Mountain Sample Time 09.15 G=grab) (C=comp. Sample Type Preservation Code: Company Company Water Matrix Water Water Kramer Jessica Jessica.Kramer@et.eurofinsus.com lime: Field Filtered Sample (Yes or No) NELAP Texas Accreditations Required (See note). Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Perform M9/MSD (Yes or No) Special Instructions/QC Requirements: Return To Client Cooler Temperature(s) °C and Other I C/F·+0.3 O Received by: Received by: Received by: × × 300 ORGFM_28D/ Sulfate × 300_ORGFMS/ (MOD) Nitrate × × × × 3500 FE D/ Ferrous from × × 2320B/ Alkalinity Analysis Requested FedEx × × × 6020A/3010A (MOD) Manganese el Pelme × × RSK 175/ (MOD) Local Method × Corrected Temp: 0.9 <u>ā</u> State of Origin: New Mexico Carrier Tracking No(s) of Shipment Dale/Time;12/30/2022 10-30 Date/Time Date/Time: えにこころくりか A HCL
B NaOH
C Zn Acetate
D Nitr Acetate
D Nitr Acetate
Nitr Acetate
F MeCH
H Ascorbic Acid
I Ice
J Di Water
K EDTA
L EDA σı ഗ . ഗ 🗙 Total Number of containers COC No: 880-6040.1 Preservation Codes: Page 1 of 1 880-23177 1 Special Instructions/Note: N None
N None
O AsNaO2
P Na2O4S
Q Na2SO3
R Na2SO3
R Na2SO3
S H2SO4
T TSP Dodecahydrale Ver: 06/08/2021 Company Company Company Acetone MCAA pH 4-5 Trizma 贝

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-23177-1

SDG Number: Lea County NM

List Source: Eurofins Midland

Login Number: 23177 List Number: 1

Creator: Kramer, Jessica

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-23177-1

SDG Number: Lea County NM

SDG Number: Lea County NM

List Source: Eurofins Houston List Creation: 12/30/22 11:17 AM

Login Number: 23177 List Number: 2

List Number: 2

Creator: Palmar, Pedro

List Creation

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

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/11/2023 12:47:57 PM

JOB DESCRIPTION

Hobbs Junction Mainline (HJM) SDG NUMBER Lea County

JOB NUMBER

880-23189-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

Generated 1/11/2023 12:47:57 PM

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

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Client: Talon/LPE Project/Site: Hobbs Junction Mainline (HJM) Laboratory Job ID: 880-23189-1

SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

MDL

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

Method Detection Limit

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE

Job ID: 880-23189-1

Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Job ID: 880-23189-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-23189-1

Receipt

The samples were received on 12/29/2022 4:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC VOA

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-43695 was outside the control limits.

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

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Project/Site: Hobbs Junction Mainline (HJM)

Client: Talon/LPE

Job ID: 880-23189-1

SDG: Lea County

Client Sample ID: MW-25 Lab Sample ID: 880-23189-1

Matrix: Water

Date Collected: 12/29/22 09:15 Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00333		0.00200	0.000408	mg/L			01/05/23 03:06	1
Toluene	0.000607	J	0.00200	0.000367	mg/L			01/05/23 03:06	1
Ethylbenzene	0.00189	J	0.00200	0.000657	mg/L			01/05/23 03:06	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 03:06	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 03:06	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			-		01/05/23 03:06	1
1,4-Difluorobenzene (Surr)	102		70 - 130					01/05/23 03:06	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac **Total BTEX** 0.00583 0.00400 0.000657 mg/L 01/05/23 10:15

Client Sample ID: MW-21 Lab Sample ID: 880-23189-2

Date Collected: 12/29/22 10:40 **Matrix: Water**

Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.613		0.0400	0.00816	mg/L			01/11/23 12:16	20
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 03:26	1
Ethylbenzene	0.211		0.00200	0.000657	mg/L			01/05/23 03:26	1
m-Xylene & p-Xylene	0.0182		0.00400	0.000629	mg/L			01/05/23 03:26	1
o-Xylene	0.00915		0.00200	0.000642	mg/L			01/05/23 03:26	1
Xylenes, Total	0.0274		0.00400	0.000642	mg/L			01/05/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			_		01/05/23 03:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130					01/05/23 03:26	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.851		0.00400	0.000657	mg/L			01/05/23 10:15	

Client Sample ID: MW-24 Lab Sample ID: 880-23189-3 Date Collected: 12/29/22 12:20 **Matrix: Water**

Date Received: 12/29/22 16:11

Released to Imaging: 6/6/2023 4:01:08 PM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00140	J	0.00200	0.000408	mg/L			01/05/23 03:47	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 03:47	1
Ethylbenzene	0.000889	J	0.00200	0.000657	mg/L			01/05/23 03:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 03:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 03:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			_		01/05/23 03:47	1
1,4-Difluorobenzene (Surr)	108		70 - 130					01/05/23 03:47	1

Client Sample Results

Client: Talon/LPE Job ID: 880-23189-1
Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Client Sample ID: MW-24 Lab Sample ID: 880-23189-3

Date Collected: 12/29/22 12:20
Date Received: 12/29/22 16:11
Matrix: Water

 Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 0.00229
 J
 0.00400
 0.000657
 mg/L
 01/05/23 10:15
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Client Sample ID: MW-31 Lab Sample ID: 880-23189-4

Date Collected: 12/29/22 09:30 Matrix: Water

Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 05:37	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 05:37	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			01/05/23 05:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 05:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 05:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			-		01/05/23 05:37	1
1,4-Difluorobenzene (Surr)	106		70 - 130					01/05/23 05:37	1

Method: TAL SOP Total BTEX - To	tal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			01/05/23 10:15	1

Client Sample ID: MW-32

Date Collected: 12/29/22 10:00

Lab Sample ID: 880-23189-5

Matrix: Water

Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 05:57	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 05:57	1
Ethylbenzene	< 0.000657	U	0.00200	0.000657	mg/L			01/05/23 05:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 05:57	1
o-Xylene	< 0.000642	U	0.00200	0.000642	mg/L			01/05/23 05:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			-		01/05/23 05:57	1
1,4-Difluorobenzene (Surr)	110		70 - 130					01/05/23 05:57	1

Method: TAL SOP Total BTEX - To	tal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			01/05/23 10:15	1

Client Sample ID: MW-22

Date Collected: 12/29/22 10:14

Lab Sample ID: 880-23189-6

Matrix: Water

Date Received: 12/29/22 16:11

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00291		0.00200	0.000408	mg/L			01/05/23 06:17	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 06:17	1

Eurofins Midland

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Client Sample Results

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

Client Sample ID: MW-22

Lab Sample ID: 880-23189-6

Matrix: Water

Date Collected: 12/29/22 10:14 Date Received: 12/29/22 16:11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			01/05/23 06:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 06:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 06:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			-		01/05/23 06:17	1
1,4-Difluorobenzene (Surr)	110		70 - 130					01/05/23 06:17	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte	itoouit								

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Surrogate Summary

Client: Talon/LPE
Project/Site: Hobbs Junction Mainline (HJM)
Job ID: 880-23189-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-23097-A-1 MS	Matrix Spike	104	107	
880-23097-A-1 MSD	Matrix Spike Duplicate	98	106	
880-23189-1	MW-25	98	102	
880-23189-2	MW-21	92	109	
880-23189-2 MS	MW-21	105	108	
880-23189-2 MSD	MW-21	99	102	
880-23189-3	MW-24	102	108	
380-23189-4	MW-31	101	106	
380-23189-5	MW-32	109	110	
380-23189-6	MW-22	112	110	
_CS 880-43117/34	Lab Control Sample	102	106	
LCS 880-43695/3	Lab Control Sample	113	101	
LCSD 880-43117/35	Lab Control Sample Dup	98	117	
_CSD 880-43695/4	Lab Control Sample Dup	104	105	
MB 880-43114/5-A	Method Blank	97	107	
MB 880-43117/39	Method Blank	100	106	
MB 880-43695/8	Method Blank	67 S1-	93	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-43114/5-A

Matrix: Water Analysis Batch: 43117 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43114

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	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		01/04/23 08:41	01/04/23 12:40	
Toluene	< 0.000367	U	0.00200	0.000367	mg/L		01/04/23 08:41	01/04/23 12:40	
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		01/04/23 08:41	01/04/23 12:40	
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		01/04/23 08:41	01/04/23 12:40	
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		01/04/23 08:41	01/04/23 12:40	
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		01/04/23 08:41	01/04/23 12:40	

MB MB

Surrogate	%Recovery Qualifie	er Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97	70 - 130	01/04/23 08:41	01/04/23 12:40	1
1,4-Difluorobenzene (Surr)	107	70 - 130	01/04/23 08:41	01/04/23 12:40	1

Lab Sample ID: MB 880-43117/39

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/05/23 00:14	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/05/23 00:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			01/05/23 00:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/05/23 00:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/05/23 00:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/05/23 00:14	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		01/05/23 00:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130		01/05/23 00:14	1

0.09356

0.1953

0.09310

Spike

Added

0.100

0.100

0.100

0.200

0.100

70 - 130

Lab Sample ID: LCS 880-43117/34

Matrix: Water

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 43117

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA

70 - 130

70 - 130

70 - 130

LCS LCS %Rec Result Qualifier Unit %Rec Limits 0.1009 mg/L 101 70 - 130 0.09587 mg/L 96 70 - 130

94

98

93

mg/L

mg/L

mg/L

-			
	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130

106

Lab Sample ID: LCSD 880-43117/35

Matrix: Water

Analysis Batch: 43117

1,4-Difluorobenzene (Surr)

Client Sample ID: Lab	Control Sample Dup
	Pron Type: Total/NA

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1000		mg/L		100	70 - 130	1	20

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

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

Lab Sample ID: LCSD 880-43117/35

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.09771 98 70 - 130 20 mg/L 2 Ethylbenzene 0.100 0.09514 mg/L 95 70 - 130 2 0.200 m-Xylene & p-Xylene 0.1972 mg/L 99 70 - 130 20 o-Xylene 0.100 0.09631 mg/L 96 70 - 130 3 20

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-23097-A-1 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Water

Analysis Batch: 43117

MS MS %Rec Sample Sample Spike Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.000741 0.100 0.08922 88 70 - 130 mg/L Toluene <0.000367 U 0.100 0.08748 87 70 - 130 mg/L Ethylbenzene <0.000657 U 0.100 0.08794 70 - 130 mg/L 88 m-Xylene & p-Xylene <0.000629 U 0.200 0.1817 91 70 - 130 mg/L o-Xylene <0.000642 U 0.100 0.08951 mg/L 90 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1,4-Difluorobenzene (Surr)	107	70 - 130

Lab Sample ID: 880-23097-A-1 MSD

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.000741	J	0.100	0.08924		mg/L		89	70 - 130	0	25
Toluene	< 0.000367	U	0.100	0.08765		mg/L		88	70 - 130	0	25
Ethylbenzene	< 0.000657	U	0.100	0.08760		mg/L		88	70 - 130	0	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1811		mg/L		91	70 - 130	0	25
o-Xylene	<0.000642	U	0.100	0.08835		mg/L		88	70 - 130	1	25

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: MB 880-43695/8

Matrix: Water

Analysis Batch: 43695

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			01/11/23 11:49	1
Toluene	< 0.000367	U	0.00200	0.000367	mg/L			01/11/23 11:49	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			01/11/23 11:49	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			01/11/23 11:49	1

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

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

Lab Sample ID: MB 880-43695/8

Matrix: Water

Analysis Batch: 43695

Client Sample ID: Method Blank

Prep Type: Total/NA

	11.0								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			01/11/23 11:49	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			01/11/23 11:49	1

MR MR

MR MR

П							
	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	67	S1-	70 - 130		01/11/23 11:49	1
	1,4-Difluorobenzene (Surr)	93		70 - 130		01/11/23 11:49	1

Lab Sample ID: LCS 880-43695/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 43695

LCS LCS Spike %Rec Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1148 mg/L 115 70 - 130 Toluene 0.100 0.1127 mg/L 113 70 - 130 0.100 0.1050 105 70 - 130 Ethylbenzene mg/L m-Xylene & p-Xylene 0.200 0.2208 mg/L 110 70 - 130 o-Xylene 0.100 0.1123 mg/L 70 - 130 112

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-43695/4

Matrix: Water

Analysis Batch: 43695

Client Sample ID:	Lab Control Sample Dup
	Pron Type: Total/NA

Prep Type: Total/NA

Client Sample ID: MW-21

Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1127		mg/L		113	70 - 130	2	20
Toluene	0.100	0.1061		mg/L		106	70 - 130	6	20
Ethylbenzene	0.100	0.1028		mg/L		103	70 - 130	2	20
m-Xylene & p-Xylene	0.200	0.2094		mg/L		105	70 - 130	5	20
o-Xylene	0.100	0.1046		mg/L		105	70 - 130	7	20
0-Aylone	0.100	0.1040		mg/L		100	70 - 100	,	20

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-23189-2 MS

Matrix: Water

Analysis Batch: 43695

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.613		2.00	2.601		mg/L		99	70 - 130	
Toluene	0.0120	J	2.00	2.023		mg/L		101	70 - 130	
Ethylbenzene	0.283		2.00	2.157		mg/L		94	70 - 130	
m-Xylene & p-Xylene	0.0464	J	4.00	4.033		mg/L		100	70 - 130	
o-Xylene	0.0204	J	2.00	2.037		mg/L		101	70 - 130	

Eurofins Midland

Released to Imaging: 6/6/2023 4:01:08 PM

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM) SDG: Lea County

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

Lab Sample ID: 880-23189-2 MS

Matrix: Water

Analysis Batch: 43695

Client Sample ID: MW-21 Prep Type: Total/NA

MS MS %Recovery Qualifier Surrogate Limits 4-Bromofluorobenzene (Surr) 105 70 - 130 1,4-Difluorobenzene (Surr) 108 70 - 130

Lab Sample ID: 880-23189-2 MSD

Matrix: Water

Analysis Batch: 43695

Client Sample ID: MW-21

Prep Type: Total/NA

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.613		2.00	2.930		mg/L		116	70 - 130	12	25
Toluene	0.0120	J	2.00	2.116		mg/L		105	70 - 130	5	25
Ethylbenzene	0.283		2.00	2.167		mg/L		94	70 - 130	0	25
m-Xylene & p-Xylene	0.0464	J	4.00	4.053		mg/L		100	70 - 130	0	25
o-Xylene	0.0204	J	2.00	2.051		mg/L		102	70 - 130	1	25

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

QC Association Summary

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-23189-1 SDG: Lea County

GC VOA

Prep	Batch:	43114
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-43114/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 43117

Prep Batch	Method	Matrix	Prep Type	Client Sample ID	Lab Sample ID
	8021B	Water	Total/NA	MW-25	880-23189-1
	8021B	Water	Total/NA	MW-21	880-23189-2
	8021B	Water	Total/NA	MW-24	880-23189-3
	8021B	Water	Total/NA	MW-31	880-23189-4
	8021B	Water	Total/NA	MW-32	880-23189-5
	8021B	Water	Total/NA	MW-22	880-23189-6
43114	8021B	Water	Total/NA	Method Blank	MB 880-43114/5-A
	8021B	Water	Total/NA	Method Blank	MB 880-43117/39
	8021B	Water	Total/NA	Lab Control Sample	LCS 880-43117/34
	8021B	Water	Total/NA	Lab Control Sample Dup	LCSD 880-43117/35
	8021B	Water	Total/NA	Matrix Spike	880-23097-A-1 MS
	8021B	Water	Total/NA	Matrix Spike Duplicate	880-23097-A-1 MSD

Analysis Batch: 43225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23189-1	MW-25	Total/NA	Water	Total BTEX	
880-23189-2	MW-21	Total/NA	Water	Total BTEX	
880-23189-3	MW-24	Total/NA	Water	Total BTEX	
880-23189-4	MW-31	Total/NA	Water	Total BTEX	
880-23189-5	MW-32	Total/NA	Water	Total BTEX	
880-23189-6	MW-22	Total/NA	Water	Total BTEX	

Analysis Batch: 43695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23189-2	MW-21	Total/NA	Water	8021B	
MB 880-43695/8	Method Blank	Total/NA	Water	8021B	
LCS 880-43695/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-43695/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-23189-2 MS	MW-21	Total/NA	Water	8021B	
880-23189-2 MSD	MW-21	Total/NA	Water	8021B	

Job ID: 880-23189-1

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

SDG: Lea County

Lab Sample ID: 880-23189-1

Matrix: Water

Client Sample ID: MW-25 Date Collected: 12/29/22 09:15 Date Received: 12/29/22 16:11

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 03:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-21 Lab Sample ID: 880-23189-2

Date Collected: 12/29/22 10:40

Matrix: Water

Date Received: 12/29/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B	· -	1	5 mL	5 mL	43117	01/05/23 03:26	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	43695	01/11/23 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-24 Lab Sample ID: 880-23189-3

Date Collected: 12/29/22 12:20

Matrix: Water

Date Received: 12/29/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 03:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-31 Lab Sample ID: 880-23189-4 Date Collected: 12/29/22 09:30

Date Received: 12/29/22 16:11

Matrix: Water

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-32 Lab Sample ID: 880-23189-5

Date Collected: 12/29/22 10:00

Matrix: Water

Date Received: 12/29/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Client Sample ID: MW-22 Lab Sample ID: 880-23189-6

Date Collected: 12/29/22 10:14

Matrix: Water

Date Received: 12/29/22 16:11

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	43117	01/05/23 06:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			43225	01/05/23 10:15	AJ	EET MID

Lab Chronicle

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Laboratory References:

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

Job ID: 880-23189-1 SDG: Lea County

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date 06-30-23	
Texas	NE	ELAP	T104704400-22-25		
T1 (11)					
The following analytes	are included in this report, bu	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for	
				,	
the agency does not of	fer certification.			,	
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte		

Method Summary

Client: Talon/LPE

Project/Site: Hobbs Junction Mainline (HJM)

Job ID: 880-23189-1

SDG: Lea County

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

Protocol References:

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

Laboratory References:

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

Eurofins Midland

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12

13

Sample Summary

Client: Talon/LPE Job ID: 880-23189-1 Project/Site: Hobbs Junction Mainline (HJM)

SDG: Lea County

	a a		.	
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23189-1	MW-25	Water	12/29/22 09:15	12/29/22 16:11
880-23189-2	MW-21	Water	12/29/22 10:40	12/29/22 16:11
880-23189-3	MW-24	Water	12/29/22 12:20	12/29/22 16:11
880-23189-4	MW-31	Water	12/29/22 09:30	12/29/22 16:11
880-23189-5	MW-32	Water	12/29/22 10:00	12/29/22 16:11
880-23189-6	MW-22	Water	12/29/22 10:14	12/29/22 16:11

eurofins **

Xenco

Fivionment Testing

Artesia, NM 88210

SRS# 2003-00017

State of Project:

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

Work Order Comments

www xenco com

Project Manager Company Name

David Adkins Talon LPE 408 Texas St

Bill to (if different)

Plains All American Pipeline Attn Camille Bryant

Company Name.

Chain of Custody

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

Work
880-23189 Chain of Custody

			11.011				5
			25/bete		MAN CA	A LINE	TANA PARA
Date/Time	Received by: (Signature)	Relinquished by (Signature)	Date/Time	Te)	Received by (Signature)	ignature)	Religquished by: (Signature)
	it assigns standard terms and conditions re due to circumstances beyond the control s will be enforced unless previously negotiated.	of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco but not analyzed. These terms will be enforced unless previously negotiated.	ny losses or expenses incur e submitted to Eurofins Xeno	any responsibility for a ge of \$5 for each sampl	samples and shall not assume lied to each project and a char	ill be liable only for the cost of m charge of \$85.00 will be appl	of service. Eurofins Xenco work Eurofins Xenco. A minimu
7470 / 7471	NI Se Ag II U Hg 1631/2451/470	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to European to a control of the contr	Company to Eurofine Venco	hase order from client	amples constitutes a valid pure	Notice Signature of this document and relinquishment of sam	votice Signature of this doc
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2	No Sr TI	۱۱ ۲	Sb As Ba Be B C	8RCRA 13PPM Texas 11 Al Sb As Ba	8RCRA 13PF	200.8 / 6020:	Total 200.7 / 6010
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					10:00		MW-32
					9:30		MW- 31
Maochoa@paalp.com	Mac				02:21		10 - Maj
CJBryant@paalp.com	CJE				04:01		17 - MI
Email Analyticals to	Επ		×	N/A %	424/22 4.15	J WS	C2 - C2
Sample Comments	Sai		BTEX		Sampled	Matrix	Sample Identification
NaOH+Ascorbic Acid SAPC	NaCH+A		1	ᆀ	Date Time		
archie A-11 Caro			21B	Ç	Corrected Temperature	(Total Containers:
Zn Acetate+NaOH Zn	Zn Acetate+NaO			Ü	demperature Reading	No N/A	Sample Custody Seals
Naso-	Na.S.O. NaSO.			W	orrection Factor	Yes No NA	Cooler Custody Seals
NIADIO	Notice 137 (4 117				omete	res No	Samples Received Intact:
U	H-BO F			No lete	Yes No Wet Ice	Temp Blank.	SAMPLE RECEIPT
NaOH Na	H ₂ S0, H ₂			the lab if received by 4 30pm	,	12	PO#
2	EO EO 60			day received by	W. Rose, K. Zular TAT starts the	M.66MCZ, N. ROS	Sampler's Name
_	Con Con				Due Date	ြွသ	Project Location
O DI Water H ₂ O	None NO		de s	Rush Code	✓ Routine		Project Number
Preservative Codes	Pre	ANALYSIS REQUEST		Turn Around		Hobbs Junction Mainline (HJM)	Project Name
Other:	Deliverables EDD ADaPT		dadkıns@talonlpe.com, mgomez@talonlpe com	adkıns@talonlpe	Email	575-441-4835	Phone 5
] TRRP ☐ Level IV ☐	Reporting Level II Level III PST/UST TRRP	Reporti	SRS# 2003-00017	City, State ZIP		Artesia, NM 88210	City, State ZIP A

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 880-23189-1 SDG Number: Lea County

Login Number: 23189 **List Source: Eurofins Midland**

List Number: 1

Creator: Kramer, Jessica

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

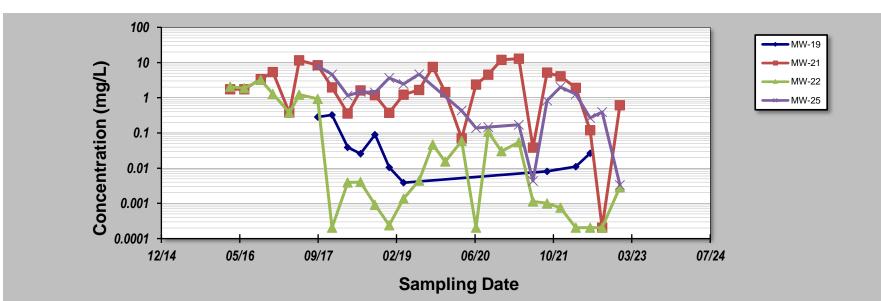
<6mm (1/4").



APPENDIX D

Mann-Kendall Analysis

	27-Feb-23				.loh ID:	700376.052		
	: Hobbs Junct	tion Mainline			Constituent:			
				Concentration Units: mg/L				
Sam	pling Point ID:	MW-19	MW-21					
ampling	Sampling			DENZEN	E CONCENTRATI	ON (/l)		
Event	Date			BENZEN	E CONCENTRATION	ON (mg/L)		
1	9-Mar-16		1.75	2.05				
2	8-Jun-16		1.74	1.88				
3	21-Sep-16		3.38	3.20				
4	7-Dec-16		5.32	1.28				
5	22-Mar-17		0.371	0.373				
6	24-May-17		11.6	1.23				
7	19-Sep-17	0.283	8.34	0.928	7.91			
8	19-Dec-17	0.324	1.96	0.000204	4.59			
9	29-Mar-18	0.0389	0.358	0.00392	1.15			
10	19-Jun-18	0.0258	1.6	0.00404	1.48			
11	19-Sep-18	0.0897	1.18	0.000910	1.40			
12	19-Dec-18	0.0106	0.374	0.000240	3.64			
13	20-Mar-19	0.00387	1.22	0.00136	2.45			
14	27-Jun-19		1.67	0.00447	4.67			
15	23-Sep-19		7.46	0.0471				
16	11-Dec-19		1.45	0.0154	0.404			
17	25-Mar-20		0.0699	0.0592	0.434			
18	24-Jun-20		2.38	0.000204	0.137			
19 20	11-Sep-20		4.55	0.108	0.146	 		
21	3-Dec-20		11.9	0.0302	0.470	 		
22	25-Mar-21 22-Jun-21		12.9 0.0383	0.0545 0.00114	0.170 0.00431	+		
23	22-Jun-21 21-Sep-21	0.00810	5.17	0.00114	0.833	+		
24	15-Dec-21	0.00010	4.06	0.00754	2.02	+		
25	23-Mar-22	0.011	1.91	0.000754	1.26			
26	22-Jun-22	0.0266	0.119	0.000204	0.268			
27	7-Sep-22	0.0200	0.000204	0.000204	0.392			
28	29-Dec-22		0.613	0.00291	0.00333			
29	20 200 22		0.010	0.00201	0.0000			
30	+					 		
	nt of Variation:	1.46	1.14	2.01	1.21			
	all Statistic (S):	-21	-42	-180	-77			
	fidence Factor:	96.4%	78.9%	>99.9%	99.7%			



Notes:

- 1. At least four independent sampling events per well are required for calculating the trend. Methodology is valid for 4 to 40 samples.
- 2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- **3.** Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

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CONDITIONS

Action 202765

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P.	34053
333 Clay Street Suite 1900	Action Number:
Houston, TX 77002	202765
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By		Condition Date
michael.buchanan	Content Satisfactory, but was missing content 1. Continue to Monitor groundwater wells for COCs per this report. 2. Include section for recommendations (4.2) (Missing Information in report) 3. Submit 2023 Annual Report by April 1, 2024.	6/6/2023