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TALON LPE

REVIEWED
By Mike Buchanan at 11:06 am, Aug 22, 2024

2023 Annual Groundwater Monitoring Report

8” Moore to Jal #1
Lea County, New Mexico
SRS # 2002-10270
NMOCD REF. # AP-91, nAPP2109526205

Prepared For:
Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Talon/LPE, Ltd.
408 W. Texas Ave.
Artesia, New Mexico 88210

March 4, 2024

Review of the 8" Moore to Jal #1 for Plains Pipeline, L.P: content satisfactory
1. Please proceed to install additional monitoring wells and update the site map accordingly with the additional wells.
2. Continue the O&M as scheduled for the recovery system in place.
3. Perform quarterly monitoring as scheduled for BTEX and PAH analyses by EPA methods 8260 and 8270.
4. Submit the 2024 annual groundwater report to OCD by April 1, 2025.

2023 ANNUAL GROUNDWATER MONITORING REPORT

8" Moore to Jal #1
Lea County, New Mexico
SRS # 2002-10270
NMOCD REF. # AP-91, nAPP2109526205

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Houston, Texas 77002

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March 4, 2024

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NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

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APPENDICES

1. INTRODUCTION AND SITE HISTORY

The 8” Moore to Jal #1 release site is located approximately 9.2 miles southeast of Lovington, New Mexico in Unit F, Section 16, Township 17 South, and Range 37 East. The site is located within the West Lovington Oil Field on land owned by the State of New Mexico. No residence and/or surface water features are located within a 1,000-foot radius of the site.

The site is situated in an area on the extreme southwestern portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

The topography proximal to the site is typical of the Southern High Plains, essentially flat with shallow depressions, or playa lakes, dotting the landscape. The prominent surface features on the Southern High Plains are the approximately 19,250 ephemeral playa lakes; however, the density of the playa lakes diminishes toward the southern extent of the Southern High Plains. During periods of rainfall, the playas accumulate sheet runoff from watershed areas ranging in size from less than one square mile to several square miles. Only a small portion of drainage from rainfall occurs by streams. Playa lakes that collect storm water runoff can act as a recharge mechanism for groundwater.

The average elevation of the site and surrounding area is approximately 3,770-feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

During October 2002, a release of approximately 200 barrels (bbls) of crude oil occurred from a Plains Pipeline, L.P. (Plains) pipeline at the site. Approximately 8,000 square feet of surface area was impacted by the release. Soil excavation and over-excavation activities were initiated in October 2002 and that activity is documented in the “Soil Over-Excavation Report and Backfill Workplan," dated May 23, 2006.

Talon/LPE has been retained by Plains to conduct quarterly groundwater monitoring activities and operation and maintenance of the phase-separated hydrocarbon (PSH) recovery system.

1.1 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed ‘cover sands'. The soil in the upper two (2) feet at the site is composed of gravelly

loam that consists of sand, clay, silt and abundant, eroded, gravel to cobble size caliche fragments. Below the topsoil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calcification 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 paleo-valley 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 experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.2 Previous Environmental Investigations

Currently, a total of 41 monitor wells have been installed proximal to the release point (see Figure 1 - Site Plan). The first monitor well (MW-1), installed July 2004, was completed with a screened interval below the potentiometric surface. The second monitor well (MW-1A), installed in September 2004, and three (3) additional monitor wells (MW-2, MW-3, and MW-4), installed in October 2004, were noted to have PSH enter the casings immediately upon completion of the wells.

In November 2007, 16 additional groundwater monitor wells (MW-5 through MW-20) were installed as proposed in the Monitor Well Installation Workplan Moore to Jal #1, dated January 26, 2007. The purpose of the additional monitor wells was to further delineate the extent of the PSH and dissolved phase plumes. In addition to the new monitor well installations, monitor wells MW-1 and MW-4 were plugged and abandoned (P&A'd) on March 14, 2007, and re-drilled as new groundwater monitor wells, MW-1A and MW-4A. Of the sixteen monitor wells that were installed, 10 wells (MW-4A, MW-5 through MW-12, and MW-15) were impacted with PSH.

In 2010, a total of 11 specific gravity skimmers with bladder pumps were in operation in monitor wells MW-2, MW-3, MW-5, MW-7 through MW-13, and MW-15. A total of three (3) total fluids pumps were in operation in monitor wells MW-1A, MW-4A, and MW-6. In addition, 16 monitor wells (MW-21 through MW-36) were installed at the site to further delineate the PSH and dissolved-phase plumes. It was noted during this time that monitor wells MW-24, MW-25, MW-30, and MW-31 were impacted by the presence of PSH. Based on this, two (2) skimmers were added to the remediation system in monitor wells MW-24 and MW-25 in October 2010.

In 2011, a transfer system was installed that was designed to pump recovered groundwater from the site to the Apollo salt water disposal (SWD) facility, thereby, eliminating the need to haul water to a disposal facility with a vacuum truck. The system was composed of a 3-inch High Density Polyethylene (HDPE) line that was installed (slip-lined) into the out-of-service Moore to Jal 8-inch pipeline from the Moore to Jal #2 site through the Moore to Jal #1 site to the C.S. Caylor site, where it is connected to the HDPE line that runs from the Caylor site to the Apollo SWD facility. A 5-horsepower (HP) transfer pump was used to impel the water down the HDPE line.

During the year 2011, a total of 13 specific gravity skimmers and bladder pumps operated in monitor wells MW-2, MW-3, MW-5, MW-7 through MW-13, MW-15, MW-24, and MW-25. In addition, a total of three (3) total fluids pumps operated in monitor wells MW-1A, MW-4A, and MW-6 during 2011.

During the year 2012, a total of 12 specific gravity skimmers and bladder pumps operated in monitor wells MW-2, MW-3, MW-5, MW-8 through MW-13, MW-15, MW-24, and MW-25. In addition, a total of seven (7) total fluids pumps operated in monitor wells MW-1A, MW-4A, MW-6, MW-7, MW-30, MW-31, and MW-33.

During 2013, two (2) additional monitor wells were installed at the site (MW-37 and MW-38) to further delineate the dissolved-phase plume. Additional total fluids pumps were installed in monitor wells MW-5, MW-7, MW-8, MW-9, MW-12, MW-15, MW-16, MW-24, MW-25, MW-30, MW-31, MW-32 and MW-33.

Three (3) mobile dual-phase extraction (MDPE) events were conducted for the first time at this facility on October 10, 2017, November 1, 2017, and December 7, 2017. A total of 61.7 barrels of PSH were recovered which consisted of 47.5 bbls of liquid PSH and 14.2 bbls of vapor.

In 2018, three (3) additional monitor wells (MW-39, MW-40 and MW-41) were installed at the site to further delineate the dissolved-phase plume.

In 2021, the recovery system extracted a total of 44.47 bbls of PSH and 3495.2 bbls of groundwater.

A total of four (4) MDPE events were conducted in 2021, on February 25, June 16, August 12 and November 22, 2021. A total of 71.66 bbls of PSH were recovered which consisted of 57.74 bbls of liquid PSH and 13.92 bbls of vapor.

During 2022, a total of four (4) MDPE events were conducted on March 23, May 12, September 13, and December 20. A total of 40.70 bbls of PSH were recovered which consisted of 30.03 bbls of liquid PSH and 10.67 bbls of vapor.

Prior to August 2022, recovered water was sent to the disposal facility via the onsite transfer system. Beginning in August 2022, recovered water was transported off site via a vacuum truck for disposal.

During 2023, a total of four (4) MDPE events were conducted on April 3, June 27, August 31, and November 7. A total of 38.43 bbls of PSH were recovered which consisted of 14.36 bbls of liquid PSH and 24.07 bbls of vapor.

1.3 Regulatory Framework

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

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

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2023. Analytical results for the four (4) sampling events are summarized in Table 2 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C.

2. SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the site during the year 2023. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impact to the groundwater and determining if modifications to the remediation system would improve performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2023. The events occurred in: March, June, September, and December.

During the March 2023 groundwater monitoring event, all 41 monitor wells were gauged. A total of 12 monitor wells (MW-21, MW-22, MW-26, MW-29, and MW-34 through MW-41) were purged and sampled. Due to the presence of PSH, 10 monitor wells (MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-32, and MW-33) were not sampled. It was noted that 18 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-5, MW-7, MW-9, MW-14, MW-15, MW-17 through MW-20, MW-23, MW-27, MW-28, MW-30, and MW-31) were dry when gauged and monitor well MW-13 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2023 groundwater monitoring event, all 41 monitor wells were gauged. A total of 13 monitor wells (MW-21, MW-22, MW-24, MW-26, MW-29, and MW-34 through MW-41) were purged and sampled. Due to the presence of PSH, eight (8) monitor wells (MW-6, MW-8, MW-10, MW-12, MW-16, MW-25, MW-32, and MW-33) were not sampled. It was noted that 20 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-5, MW-7, MW-9, MW-11, MW-13 through MW-15, MW-17 through MW-20, MW-23, MW-27, MW-28, MW-30, and MW-31) were dry when gauged, therefore; the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2023 groundwater monitoring event, all 41 monitor wells were gauged. A total of 10 monitor wells (MW-21, MW-26, MW-29, and MW-35 through MW-41) were purged and sampled. Due to the presence of PSH, six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33) were not sampled. It was noted that 23 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9, MW-11 through MW-20, MW-22, MW-23, MW-27, MW-28, MW-30, and MW-31) were dry when

gauged, monitor well MW-34 was not sampled due to insufficient water, and monitor well MW-5 had an obstruction; therefore; the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2023 groundwater monitoring event, all 41 monitor wells were gauged. A total of nine (9) monitor wells (MW-21, MW-26, MW-29, MW-35, MW-36, and MW-38 through MW-41) were purged and sampled. Due to the presence of PSH, six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33) were not sampled. It was noted that 23 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9, MW-11 through MW-20, MW-22, MW-23, MW-28, MW-30, MW-31, and MW-34) were dry when gauged, monitor wells MW-27 and MW-37 were not sampled due to insufficient water, and monitor well MW-5 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations, if present. The data collected from measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during each of the four (4) events are incorporated in Table 1 – Groundwater Gauging and NAPL Thickness - Historical of Appendix B.

Subsequent to gauging, all monitor wells with sufficient water volume and that did not indicate the presence of PSH were purged using a down-hole pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in 55-gallon drums. Subsequent to the completion of the groundwater monitoring event, all retained water was deposited into a recovery tank and stored onsite. Prior to August 2022, recovered water was sent to the disposal facility via the onsite transfer system. Beginning in August 2022, recovered water was transported off site via a vacuum truck for disposal.

Groundwater samples were collected from all monitor wells that were not impacted with PSH using dedicated disposable polyethylene bailers. The groundwater samples were contained in laboratory supplied 40-mL VOA sample vials with the appropriate preservative required for the analysis requested. The groundwater samples were maintained on ice, in the custody of Talon/LPE personnel, until they were delivered to Eurofins Laboratories, Inc. in Carlsbad, New Mexico for the first quarter and Permian

Basin Environmental in Midland, Texas for the second, third, and fourth quarters for analyses. The groundwater samples collected during all four (4) events were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2004, initially by hand bailing and then by using pneumatic pumps. In October 2008, Talon/LPE installed a pneumatic skimmer system at the site. In October 2017, Talon/LPE began conducting MDPE events at the site.

In 2023, 11 monitor wells were pumped for PSH: MW-6, MW-8, MW-10, MW-11, MW-12, MW-16, MW-24, MW-25, MW-29, MW-32, and MW-33.

The discharge and recharge cycles for the total fluids pumps were set on timers in order to maximize PSH recovery in relation to groundwater volumes recovered. The system has been effective for increasing PSH recovery and inhibiting PSH plume and dissolved-phase migration. Talon/LPE personnel performed a minimum of weekly maintenance to the remediation system to ensure efficient operation and to minimize downtime.

Currently, PSH recovered by the total fluids pumps are discharged to an on-site frac tank, which is gauged for the accumulation of water and PSH on a weekly basis. Prior to August 2022, upon reaching an established level in the holding tank, the PSH and recovered water engaged a head pressure switch, which in turn operated a fluid transfer pump. When the pump was engaged, the recovered fluids were transferred to a 4-inch HDPE line co-mingling with recovered fluids from the Moore to Jal #2 and C.S. Caylor groundwater recovery systems. A 5-HP transfer pump then moved water to the Apollo SWD System for disposal. Beginning in August 2022, fluids in the on-site frac tank are transported off-site via a vacuum truck for disposal.

During 2023 the quarterly PSH and groundwater recovery totals are as follows:

1st Quarter – 16.62 bbls PSH and 702.95 bbls of groundwater
2nd Quarter – 7.17 bbls PSH and 761.05 bbls of groundwater
3rd Quarter – 8.23 bbls PSH and 947.47 bbls of groundwater
4th Quarter – 19.43 bbls PSH and 373.87 bbls of groundwater

Four (4) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2023. The individual MDPE event recovery totals are as follows:

April 3, 2023 –	7.52	bbls vapor,	3.85	bbls liquid
June 27, 2023 –	3.49	bbls vapor,	2.24	bbls liquid
August 31, 2023 –	2.78	bbls vapor,	2.59	bbls liquid
November 7, 2023 –	11.43	bbls vapor,	6.35	bbls liquid

In 2023, an estimated total of 40.25 bbls of PSH were recovered during the MDPE events.

Approximately 91.70 bbls of PSH were recovered in 2023 and a total of approximately 3,132.11 bbls of PSH have been recovered at the subject site to date.

3. GROUNDWATER MONITORING RESULTS

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

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

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site has historically ranged from 76 to 95 feet below ground surface, and the groundwater flow direction is to the southeast at an average of 20 feet per mile.

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

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2023. The results of the fluid level measurements are summarized in Table 1 - Groundwater Gauging and NAPL Thickness - Historical in Appendix B.

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

- March 14, 2023
- June 14, 2023
- September 14, 2023
- December 12, 2023

These maps are Figures 2a, 2b, 2c, and 2d presented in Appendix A.

Based on fluid level measurements at the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2023 and December 2023 was southeast with an average gradient of 0.0043 feet per foot (ft/ft), or approximately 22.58 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 1.78 feet for the year 2023 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbons

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

During the March 2023 sampling event, PSH was observed in 10 monitor wells (MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.01 feet to 2.90 feet.

During the June 2023 sampling event, PSH was observed in eight (8) monitor wells (MW-6, MW-8, MW-10, MW-12, MW-16, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.05 feet to 2.73 feet.

During the September 2023 sampling event, PSH was observed in six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.01 feet to 1.39 feet.

During the December 2023 sampling event, PSH was observed in six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.01 feet to 1.39 feet.

PSH plume maps are presented as Figures 3a, 3b, 3c, and 3d in Appendix A.

3.4 Groundwater Sampling Results

During the March 2023 sampling event, 12 monitor wells (MW-21, MW-22, MW-26, MW-29, and MW-34 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-29, which exhibited a benzene concentration of 0.000454 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-21, MW-22, MW-37, and MW-39, which exhibited toluene concentrations between 0.000812 mg/L and 0.00110 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the June 2023 sampling event, 13 monitor wells (MW-21, MW-22, MW-24, MW-26, MW-29, and MW-34 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.

- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the September 2023 sampling event, 10 monitor wells (MW-21, MW-26, MW-29, and MW-35 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40, which exhibited a benzene concentration of 0.00304 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40 which exhibited a toluene concentration of 0.00109 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40, which exhibited a xylene concentration of 0.000580 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the December 2023 sampling event, nine (9) monitor wells (MW-21, MW-26, MW-29, MW-35, MW-36, and MW-38 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40, which exhibited a benzene concentration of 0.00236 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.

- Xylene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40, which exhibited a xylene concentration of 0.0110 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

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

4. CONCLUSIONS AND RECOMMENDATIONS

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

4.1 Summary of Findings

- The groundwater flow direction is generally to the southeast with an average gradient of 0.0043 feet per foot based on the water level measurement data collected in 2023.
- Groundwater levels at the subject site have decreased an average of 1.78 feet for the year 2023.
- PSH thicknesses have generally decreased during the year 2023.
- Dissolved-phase benzene concentrations decreased in monitor wells MW-14 and MW-39, and MW-40.
- The groundwater recovery system and four (4) MDPE events removed 91.70 bbls of PSH during 2023.

4.2 Recommendations

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

- Install additional monitoring wells to compensate for declining groundwater levels.
- Continue operation and maintenance of the total fluid pumps recovery system.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

Figures

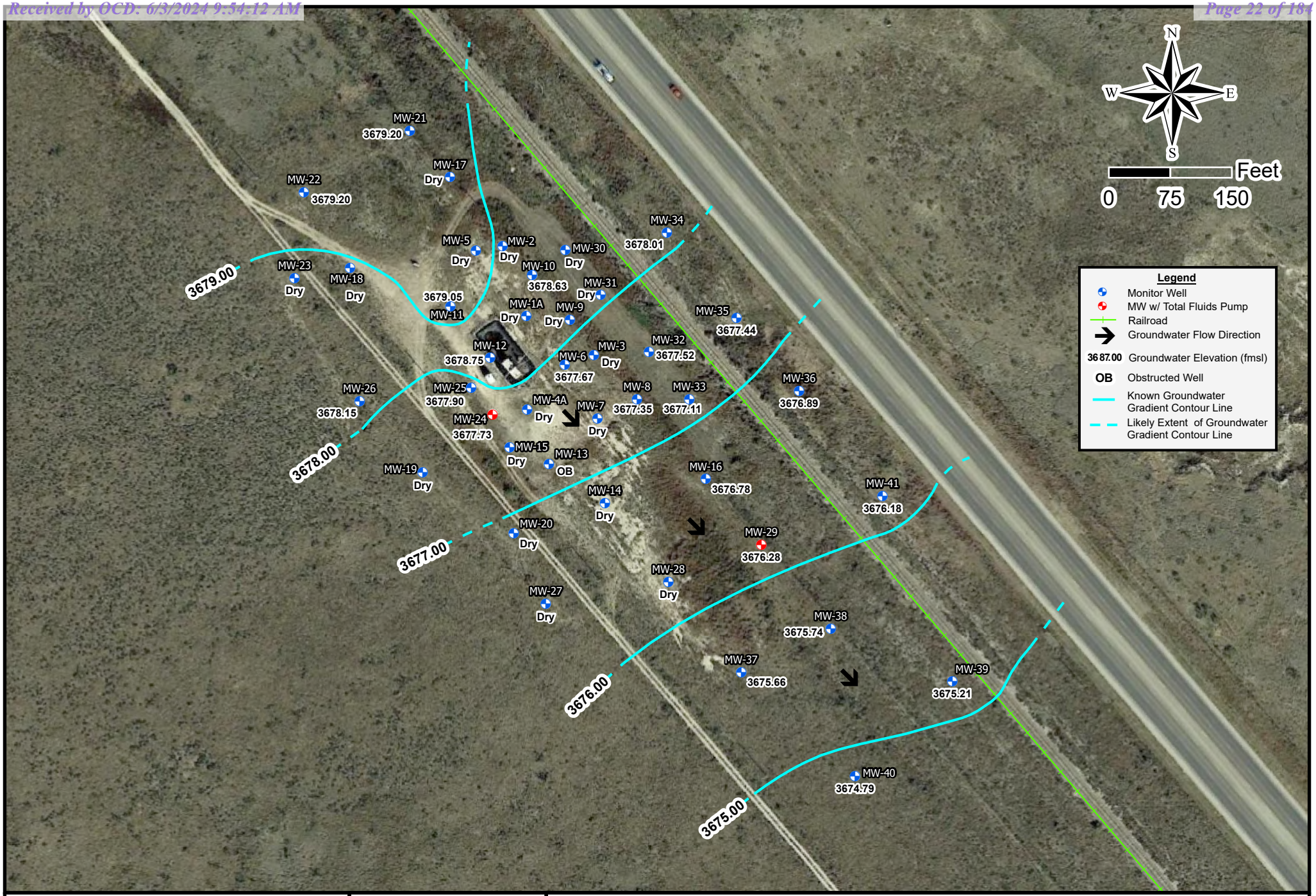
TALON LPE

Drafted: 5/19/2023

1 in = 150 ft

Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 1 - Site Plan



TALON LPE

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

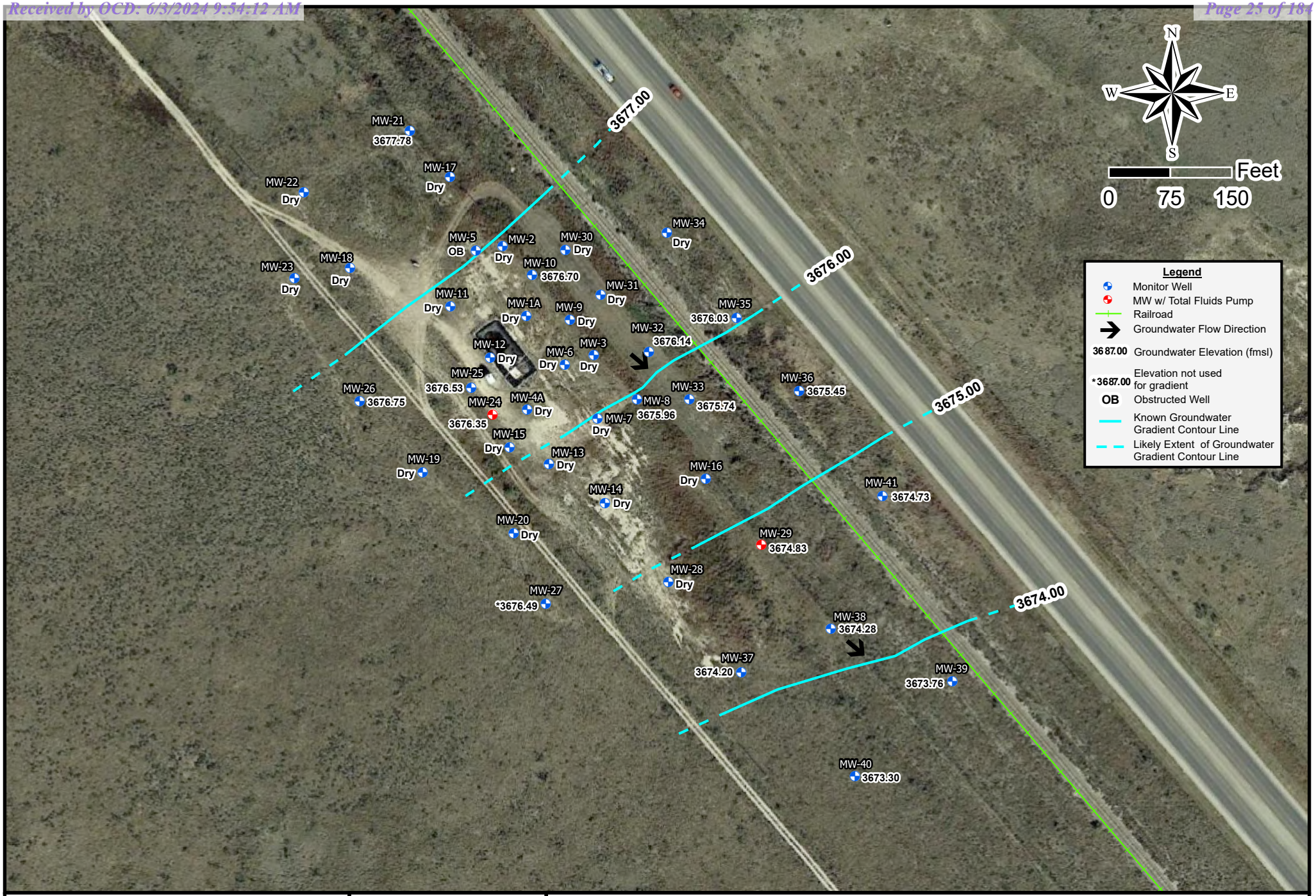
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2a - Groundwater Gradient Map (03/14/2023)

TALON LPE

Drafted: 8/25/2023
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2b - Groundwater Gradient Map (06/14/2023)

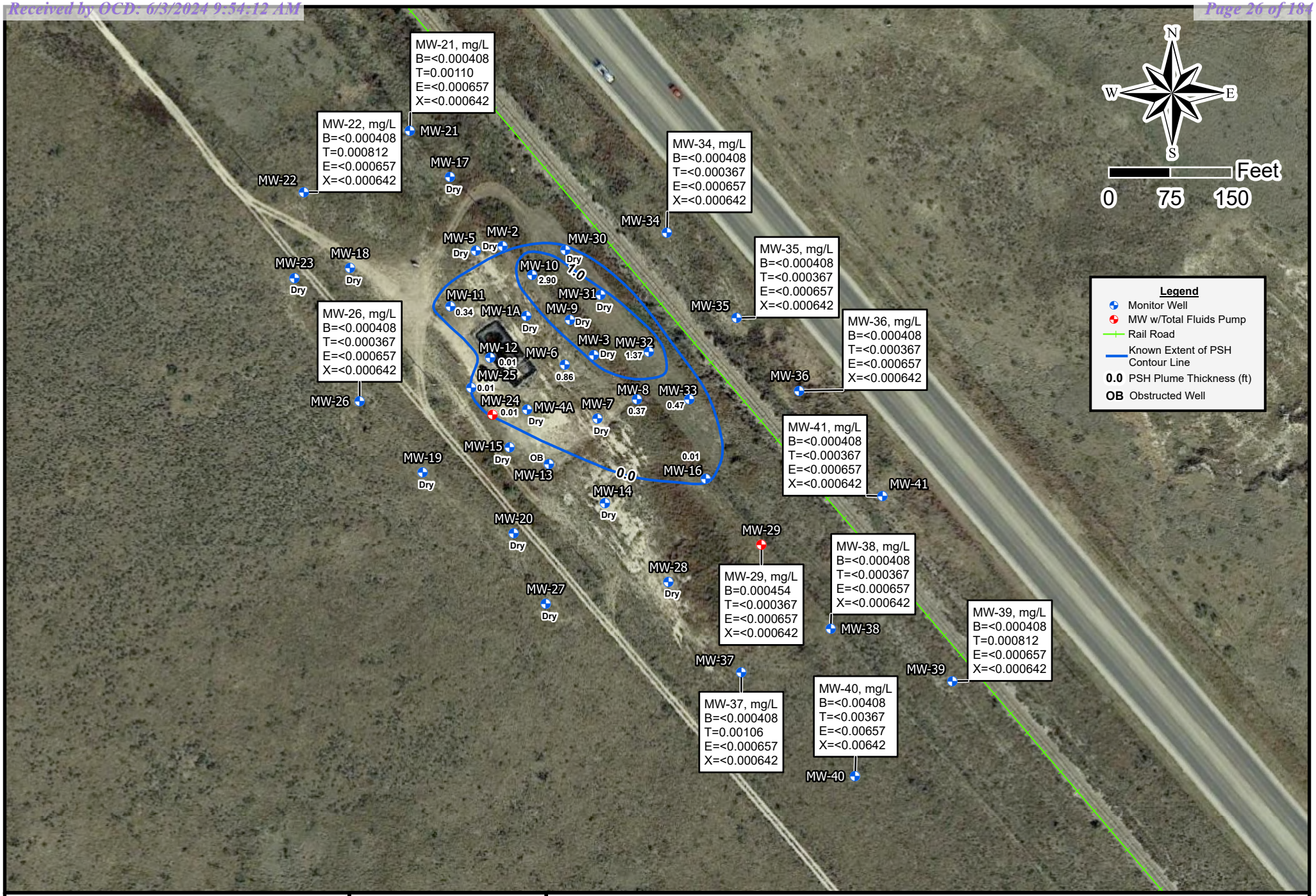
TALON LPE	Drafted: 10/27/2023 1 in = 150 ft Drafted By: IJR	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 2c - Groundwater Gradient Map (09/14/2023)



TALON LPE

Drafted: 1/19/2024
1 in = 150 ft
Drafted By: IJR

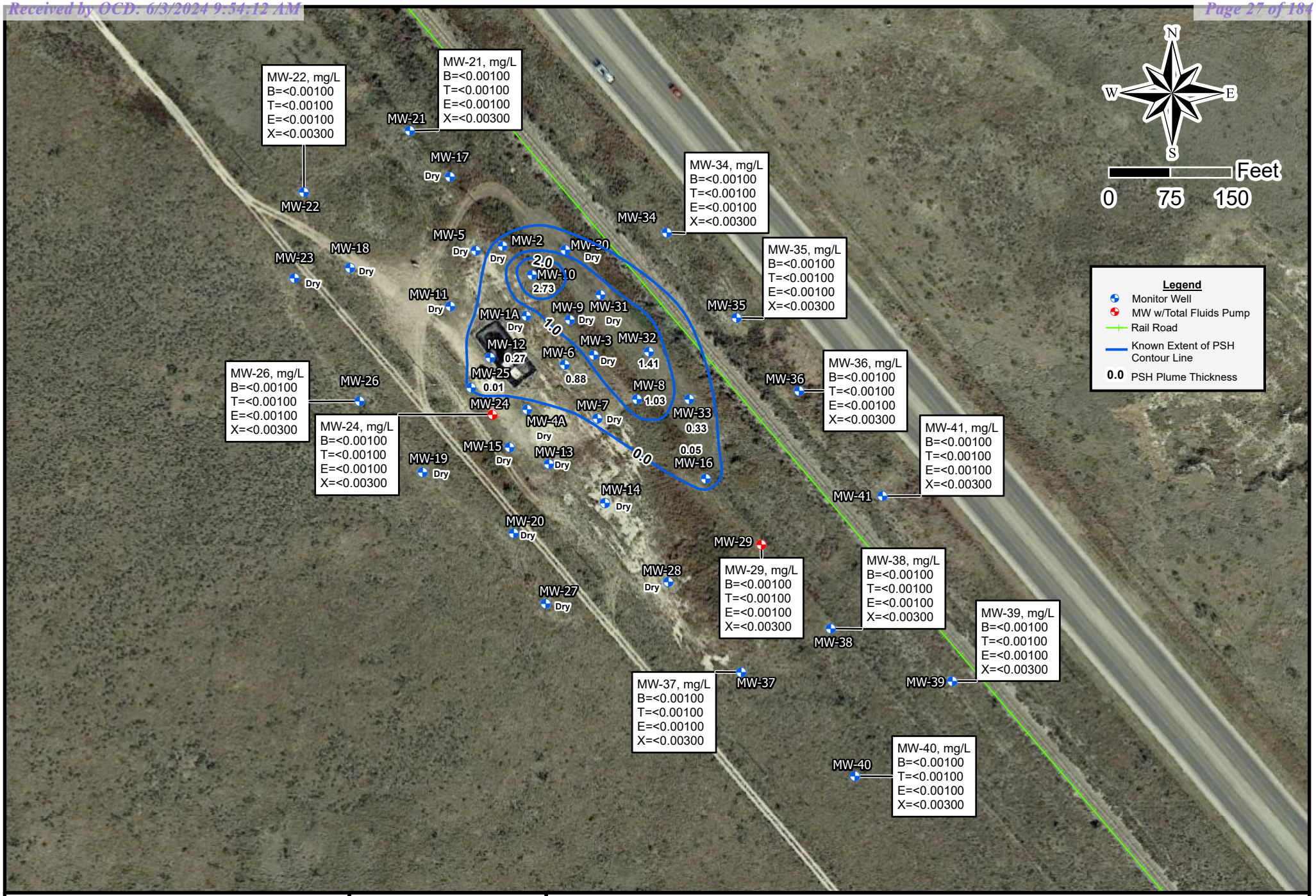
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2d - Groundwater Gradient Map (12/12/2023)



TALON LPE

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

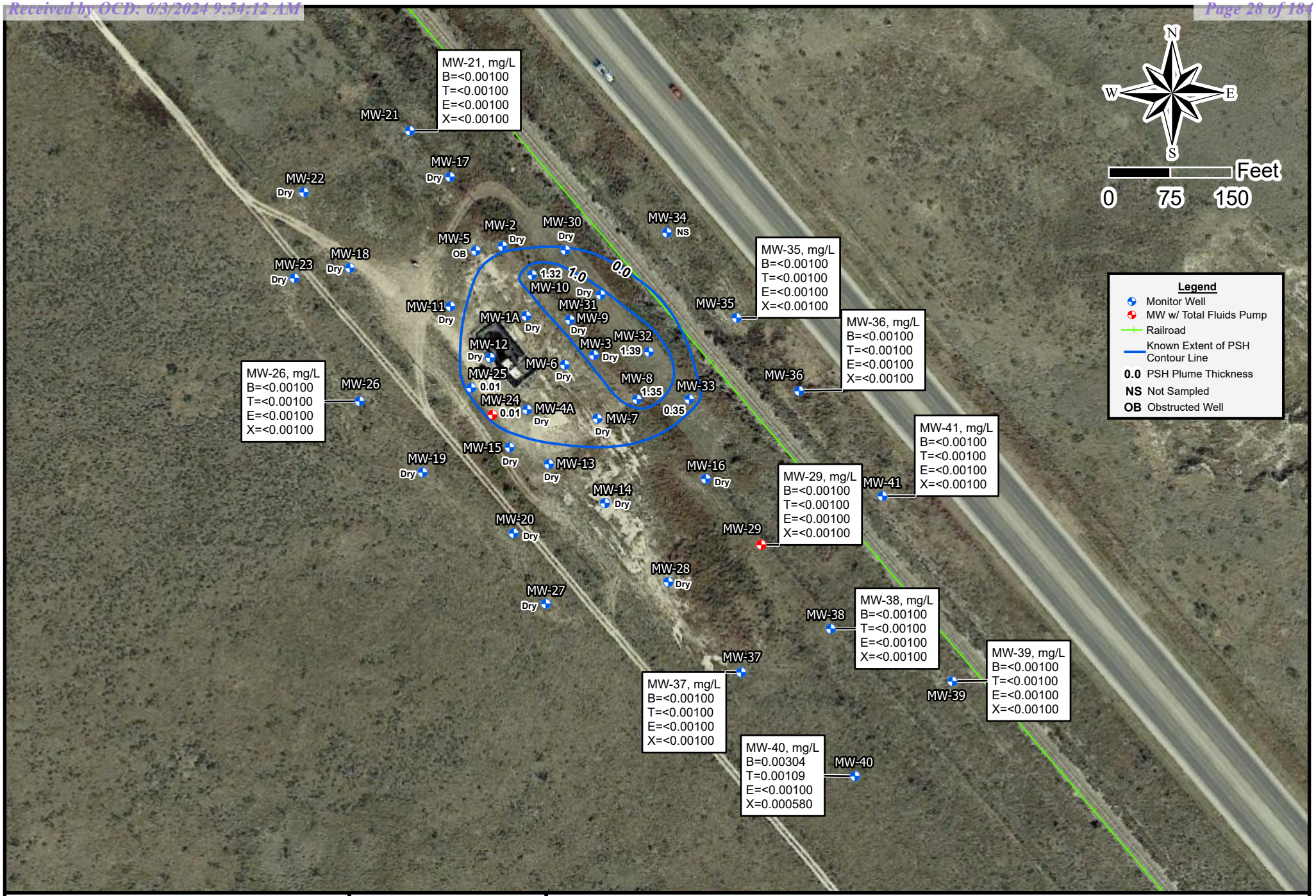
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3a - PSH Thickness & Groundwater Concentration Map (03/14 - 16/2023)



TALON LPE

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

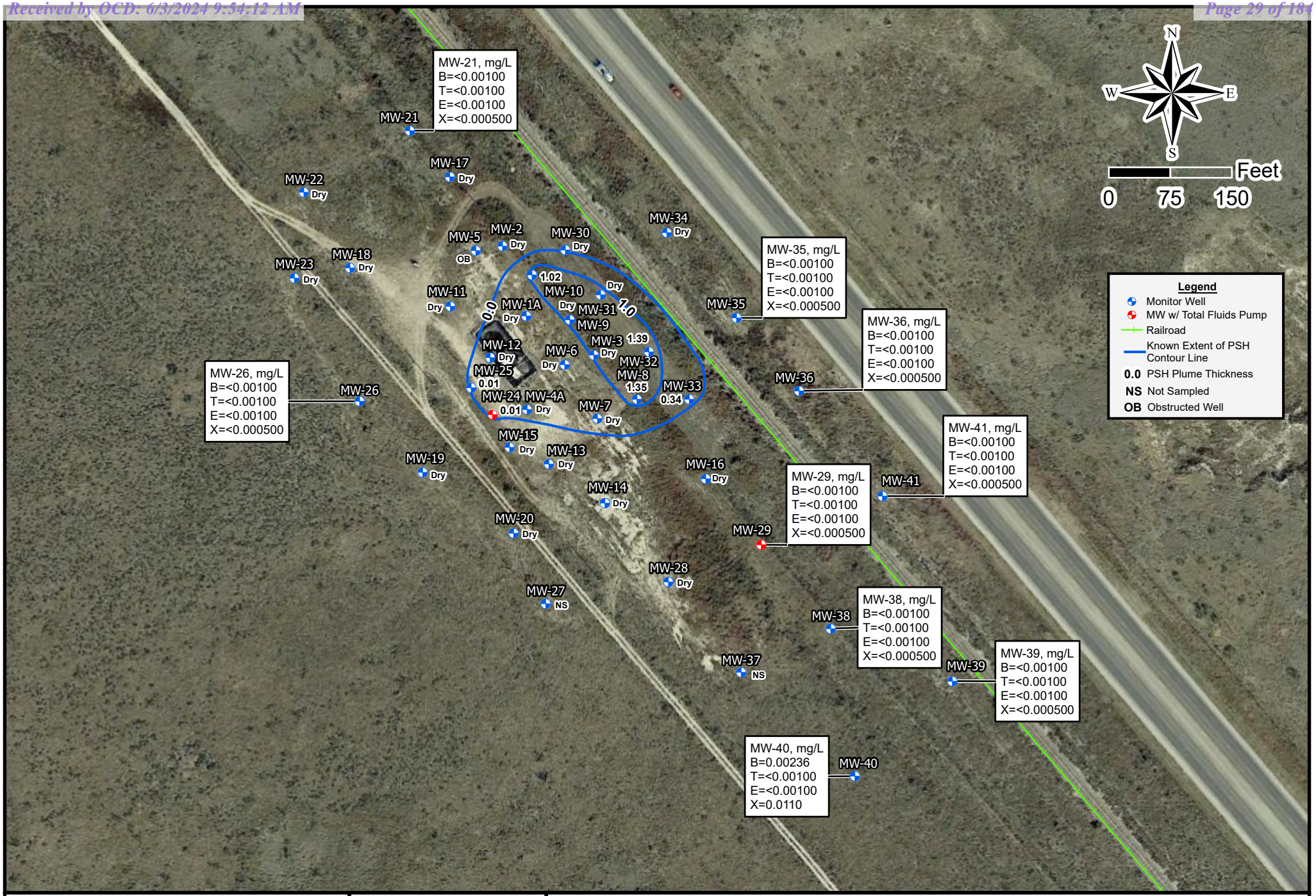
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3b - PSH Thickness & Groundwater Concentration Map (06/14 - 16/2023)



TALON LPE

Drafted: 10/19/2023
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3c - PSH Thickness & Groundwater Concentration Map (09/14-15/2023)



TALON LPE

Drafted: 1/19/2024
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099
Figure 3d - PSH Thickness & Groundwater Concentration Map (12/12-13,15/2023)

APPENDIX B

Tables

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A 4"	3,768.36	63	83	03/24/2016	NL	-	-	-
				06/20/2016	NL	-	-	-
				09/28/2016	NL	-	-	-
				12/13/2016	NL	-	-	-
				03/16/2017	NL	-	-	-
				06/05/2017	NL	-	-	-
				09/19/2017	NL	-	-	-
				12/13/2017	NL	-	-	-
				03/23/2018	NL	-	-	-
				06/14/2018	DR	-	-	-
				09/24/2018	73.69	73.68	0.01	3694.68
				12/17/2018	DR	-	-	-
				03/21/2019	DR	-	-	-
				06/24/2019	DR	-	-	-
				09/16/2019	DR	-	-	-
				12/12/2019	DR	-	-	-
				03/16/2020	DR	-	-	-
				06/18/2020	74.00	-	-	3694.36
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-2 4"	3,768.35	63	83	03/24/2016	83.50	77.21	6.29	3690.10
				06/20/2016	83.60	77.70	5.90	3689.68
				09/28/2016	83.63	78.31	5.32	3689.16
				12/13/2016	82.48	78.70	3.78	3689.03
				03/16/2017	85.39	78.95	6.44	3688.34
				06/05/2017	83.00	79.30	3.70	3688.44
				09/19/2017	83.49	79.79	3.70	3687.95
				12/13/2017	83.60	80.24	3.36	3687.56
				03/23/2018	83.60	80.59	3.01	3687.26
				06/14/2018	83.67	80.94	2.73	3686.96
				09/24/2018	84.15	81.48	2.67	3686.43
				12/17/2018	85.00	81.95	3.05	3685.90
				03/21/2019	83.68	82.20	1.48	3685.91
				06/24/2019	83.63	82.60	1.03	3685.58
				09/16/2019	83.66	83.10	0.56	3685.16
				12/12/2019	83.67	83.60	0.07	3684.74
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-3 4"	3,767.24	61	81	03/24/2016	80.90	76.06	4.84	3690.38
				06/20/2016	80.88	77.10	3.78	3689.52
				09/28/2016	80.92	77.85	3.07	3688.88
				12/13/2016	81.06	78.15	2.91	3688.61
				03/16/2017	79.95	78.50	1.45	3688.50
				06/05/2017	81.00	78.75	2.25	3688.12
				09/19/2017	81.09	79.20	1.89	3687.73
				12/13/2017	79.70	79.63	0.07	3687.60
				03/23/2018	81.09	79.95	1.14	3687.10
				06/14/2018	81.05	80.40	0.65	3686.73
				09/24/2018	80.86	80.85	0.01	3686.39
				12/17/2018	DR	-	-	-
				03/21/2019	DR	-	-	-
				06/24/2019	DR	-	-	-
				09/16/2019	DR	-	-	-
				12/12/2019	DR	-	-	-
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-4A 4"	3,770.64	55	95	03/24/2016	86.93	80.38	6.55	3689.18
				06/20/2016	87.91	80.75	7.16	3688.71
				09/28/2016	85.53	82.09	3.44	3687.98
				12/13/2016	84.82	82.70	2.12	3687.59
				03/16/2017	87.90	82.25	5.65	3687.46
				06/05/2017	84.06	83.55	0.51	3687.01
				09/19/2017	86.73	83.56	3.17	3686.56
				12/13/2017	86.54	84.03	2.51	3686.20
				03/23/2018	85.25	84.65	0.60	3685.89
				06/14/2018	86.20	81.80	4.40	3688.11
				09/24/2018	85.65	85.64	0.01	3685.00
				12/17/2018	86.54	86.03	0.51	3684.53
				03/21/2019	86.40	86.31	0.09	3684.32
				06/24/2019	87.02	86.66	0.36	3683.92
				09/16/2019	87.40	87.15	0.25	3683.45
				12/12/2019	88.55	87.60	0.95	3682.88
				03/16/2020	89.15	87.67	1.48	3682.73
				06/18/2020	88.67	88.20	0.47	3682.36
				09/17/2020	97.00	88.20	8.80	3680.99
				12/08/2020	94.17	88.55	5.62	3681.16
				03/08/2021	90.64	89.37	1.27	3681.06
				06/25/2021	90.10	89.10	1.00	3681.37
				09/10/2021	90.10	89.50	0.60	3681.04
				12/07/2021	90.10	90.00	0.10	3680.62
				03/08/2022	90.74	90.40	0.34	3680.18
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-5 4"	3,768.85	57	97	03/24/2016	84.32	77.78	6.54	3689.99
				06/20/2016	84.62	78.21	6.41	3689.58
				09/28/2016	82.42	79.54	2.88	3688.83
				12/13/2016	83.17	79.82	3.35	3688.48
				03/16/2017	NL	-	-	-
				06/05/2017	NL	-	-	-
				09/19/2017	90.50	80.32	10.18	3686.85
				12/13/2017	82.00	81.81	0.19	3687.01
				03/23/2018	82.45	82.07	0.38	3686.72
				06/14/2018	82.75	82.55	0.20	3686.27
				09/24/2018	83.30	83.00	0.30	3685.80
				12/17/2018	85.10	83.15	1.95	3685.38
				03/21/2019	85.82	83.30	2.52	3685.13
				06/24/2019	85.60	83.80	1.80	3684.75
				09/16/2019	86.12	84.20	1.92	3684.33
				12/12/2019	86.05	85.03	1.02	3683.65
				03/16/2020	86.25	85.15	1.10	3683.52
				06/18/2020	85.65	85.60	0.05	3683.24
				09/17/2020	86.90	85.97	0.93	3682.73
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	OB	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	OB	-	-	-
				12/12/2023	OB	-	-	-
MW-6 4"	3,769.50	52	92	03/24/2016	87.85	78.80	9.05	3689.21
				06/20/2016	87.75	79.28	8.47	3688.82
				09/28/2016	88.51	79.97	8.54	3688.12
				12/13/2016	88.08	80.45	7.63	3687.79
				03/16/2017	89.05	80.55	8.50	3687.55
				06/05/2017	88.65	81.05	7.60	3687.20
				09/19/2017	87.73	81.62	6.11	3686.87
				12/13/2017	86.40	82.60	3.80	3686.27
				03/23/2018	85.00	83.23	1.77	3685.98
				06/14/2018	90.00	82.80	7.20	3685.51
				09/24/2018	84.50	84.33	0.17	3685.14
				12/17/2018	88.25	84.40	3.85	3684.46
				03/21/2019	85.73	84.93	0.80	3684.44
				06/24/2019	86.80	85.25	1.55	3683.99
				09/16/2019	86.52	85.85	0.67	3683.54
				12/12/2019	89.55	85.85	3.70	3683.04
				03/16/2020	87.70	86.50	1.20	3682.80
				06/18/2020	86.35	86.31	0.04	3683.18
				09/17/2020	92.80	86.50	6.30	3681.96
				12/07/2020	86.91	86.90	0.01	3682.60
				03/08/2021	OB	-	-	-
				06/25/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				09/30/2021	93.50	88.21	5.29	3680.42
				12/07/2021	92.70	89.95	2.75	3679.10
				03/08/2022	92.65	89.03	3.62	3679.87
				06/14/2022	92.65	89.56	3.09	3679.43
				09/06/2022	92.65	90.00	2.65	3679.06
				12/14/2022	92.65	90.48	2.17	3678.66
				03/14/2023	92.55	91.69	0.86	3677.67
				06/14/2023	93.03	92.15	0.88	3677.20
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7 4"	3,770.20	46	86	03/24/2016	85.95	80.00	5.95	3689.22
				06/20/2016	83.60	81.32	2.28	3688.50
				09/28/2016	84.88	81.87	3.01	3687.83
				12/13/2016	84.43	82.34	2.09	3687.52
				03/16/2017	85.90	81.69	4.21	3687.82
				06/05/2017	85.98	82.19	3.79	3687.38
				09/19/2017	85.85	82.59	3.26	3687.07
				12/13/2017	85.60	83.85	1.75	3686.06
				03/23/2018	85.97	83.97	2.00	3685.90
				06/14/2018	86.00	84.24	1.76	3685.67
				09/24/2018	86.31	84.31	2.00	3685.56
				12/17/2018	86.50	84.81	1.69	3685.11
				03/21/2019	86.38	84.94	1.44	3685.02
				06/24/2019	88.75	85.37	3.38	3684.27
				09/16/2019	86.47	85.90	0.57	3684.21
				12/12/2019	86.48	86.45	0.03	3683.75
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	87.95	86.50	1.45	3683.46
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-8 4"	3,768.09	53	93	03/24/2016	84.18	78.08	6.10	3689.00
				06/20/2016	84.61	78.60	6.01	3688.50
				09/28/2016	85.33	79.29	6.04	3687.80
				12/13/2016	85.01	79.76	5.25	3687.46
				03/16/2017	86.40	79.75	6.65	3687.24
				06/05/2017	85.05	80.46	4.59	3686.87
				09/19/2017	87.65	80.40	7.25	3686.49
				12/13/2017	83.53	81.84	1.69	3685.97
				03/23/2018	86.07	81.63	4.44	3685.73
				06/14/2018	82.30	82.22	0.08	3685.86
				09/24/2018	89.11	82.20	6.91	3684.75
				12/17/2018	89.06	82.71	6.35	3684.33
				03/21/2019	87.34	83.18	4.16	3684.22
				06/24/2019	89.57	83.32	6.25	3683.74
				09/16/2019	84.95	84.72	0.23	3683.33
				12/12/2019	85.70	85.35	0.35	3682.68
				03/16/2020	85.80	85.55	0.25	3682.50
				06/18/2020	86.55	85.84	0.71	3682.13
				09/17/2020	86.70	86.42	0.28	3681.62
				12/07/2020	86.84	86.83	0.01	3681.26
				03/08/2021	87.31	87.22	0.09	3680.86
				06/25/2021	88.24	87.56	0.68	3680.42
				09/10/2021	88.85	87.93	0.92	3680.01
				12/07/2021	DR	-	-	-
				03/08/2022	91.90	88.25	3.65	3679.24
				06/14/2022	91.80	88.83	2.97	3678.77
				09/06/2022	92.43	89.33	3.10	3678.25
				12/14/2022	92.86	89.70	3.16	3677.87
				03/14/2023	91.05	90.68	0.37	3677.35
				06/14/2023	92.07	91.04	1.03	3676.88
				09/14/2023	92.78	91.43	1.35	3676.44
				12/12/2023	93.26	91.91	1.35	3675.96

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9 4"	3,767.64	50	90	03/24/2016	85.20	76.70	8.50	3689.54
				06/20/2016	83.13	77.71	5.42	3689.04
				09/28/2016	83.88	78.36	5.52	3688.37
				12/13/2016	85.24	78.50	6.74	3688.03
				03/16/2017	85.47	78.70	6.77	3687.82
				06/05/2017	85.66	79.14	6.52	3687.42
				09/19/2017	82.02	79.52	2.50	3687.71
				12/13/2017	84.38	80.45	3.93	3686.54
				03/23/2018	83.55	81.98	1.57	3685.40
				06/14/2018	84.60	81.30	3.30	3685.80
				09/24/2018	85.50	82.20	3.30	3684.90
				03/21/2019	86.16	82.20	3.96	3684.79
				06/24/2019	87.94	83.03	4.91	3683.80
				09/16/2019	OB	-	-	-
				12/12/2019	OB	-	-	-
				03/16/2020	OB	-	-	-
				06/18/2020	OB	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-10 4"	3,767.51	50	90	03/24/2016	84.70	76.35	8.35	3689.78
				06/20/2016	85.18	76.82	8.36	3689.31
				09/28/2016	85.68	77.52	8.16	3688.64
				12/13/2016	85.27	78.03	7.24	3688.29
				03/16/2017	85.83	78.20	7.63	3688.05
				06/05/2017	86.20	78.56	7.64	3687.69
				09/19/2017	86.09	79.16	6.93	3687.21
				12/13/2017	82.87	80.30	2.57	3686.79
				03/23/2018	84.32	80.35	3.97	3686.50
				06/14/2018	84.75	80.64	4.11	3686.19
				09/24/2018	88.35	80.69	7.66	3685.56
				12/17/2018	88.30	81.15	7.15	3685.18
				03/21/2019	88.06	81.54	6.52	3684.89
				06/24/2019	85.73	82.46	3.27	3684.51
				09/16/2019	84.37	83.22	1.15	3684.10
				12/12/2019	84.35	83.90	0.45	3683.54
				03/16/2020	84.72	84.10	0.62	3683.31
				06/18/2020	85.20	84.36	0.84	3683.01
				09/17/2020	86.70	84.75	1.95	3682.44
				12/07/2020	88.58	84.81	3.77	3682.08
				03/08/2021	89.98	84.94	5.04	3681.74
				06/25/2021	88.36	85.84	2.52	3681.25
				09/10/2021	88.30	86.31	1.99	3680.87
				12/07/2021	89.70	86.55	3.15	3680.44
				03/08/2022	91.30	86.70	4.60	3680.05
				06/14/2022	91.30	87.03	4.27	3679.78
				09/06/2022	91.30	87.40	3.90	3679.47
				12/14/2022	91.30	88.04	3.26	3678.93
				03/14/2023	91.30	88.40	2.90	3678.63
				06/14/2023	91.68	88.95	2.73	3678.11
				09/14/2023	91.30	89.98	1.32	3677.31
				12/12/2023	91.66	90.64	1.02	3676.70

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11 4"	3,769.37	53	93	03/24/2016	85.00	78.40	6.60	3689.88
				06/20/2016	85.60	78.85	6.75	3689.41
				09/28/2016	86.19	79.57	6.62	3688.71
				12/13/2016	86.35	79.96	6.39	3688.36
				03/16/2017	86.83	80.14	6.69	3688.13
				06/05/2017	86.95	80.55	6.40	3687.76
				09/19/2017	87.39	81.04	6.35	3687.28
				12/13/2017	83.65	82.26	1.39	3686.88
				03/23/2018	85.06	82.34	2.72	3686.58
				06/14/2018	85.87	82.75	3.12	3686.11
				09/24/2018	83.22	83.21	0.01	3686.16
				12/17/2018	86.60	83.68	2.92	3685.21
				03/21/2019	85.15	84.22	0.93	3685.00
				06/24/2019	86.03	84.43	1.60	3684.68
				09/16/2019	86.90	84.85	2.05	3684.18
				12/12/2019	87.48	85.42	2.06	3683.61
				03/16/2020	87.50	85.60	1.90	3683.46
				06/18/2020	86.55	86.20	0.35	3683.11
				09/17/2020	87.30	86.70	0.60	3682.57
				12/08/2020	87.37	87.21	0.16	3682.13
				03/08/2021	87.65	87.51	0.14	3681.84
				06/25/2021	88.07	87.97	0.10	3681.38
				09/10/2021	89.06	88.26	0.80	3680.98
				12/07/2021	90.45	88.55	1.90	3680.51
				03/08/2022	88.91	88.90	0.01	3680.47
				06/14/2022	90.60	89.17	1.43	3679.96
				09/06/2022	90.60	89.48	1.12	3679.71
				12/14/2022	90.60	89.86	0.74	3679.39
				03/14/2023	90.60	90.26	0.34	3679.05
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-12 4"	3,769.68	51	91	03/24/2016	86.60	78.84	7.76	3689.56
				06/20/2016	87.30	79.35	7.95	3689.02
				09/28/2016	87.31	80.24	7.07	3688.27
				12/13/2016	88.31	80.40	7.91	3687.97
				03/16/2017	88.90	80.57	8.33	3687.74
				06/05/2017	88.86	81.01	7.85	3687.37
				09/19/2017	89.31	81.50	7.81	3686.89
				12/13/2017	83.85	83.01	0.84	3686.53
				03/23/2018	84.67	83.17	1.50	3686.26
				06/14/2018	86.35	83.38	2.97	3685.81
				09/24/2018	84.06	84.05	0.01	3685.63
				12/17/2018	85.06	85.05	0.01	3684.63
				03/21/2019	86.58	84.46	2.12	3684.87
				06/24/2019	87.37	85.00	2.37	3684.29
				09/16/2019	89.65	85.10	4.55	3683.83
				12/12/2019	87.30	86.28	1.02	3683.23
				03/16/2020	88.50	86.20	2.30	3683.10
				06/18/2020	90.70	86.30	4.40	3682.65
				09/17/2020	90.00	87.00	3.00	3682.18
				12/08/2020	89.71	87.56	2.15	3681.77
				03/08/2021	89.79	88.15	1.64	3681.26
				06/25/2021	89.64	88.46	1.18	3681.03
				09/10/2021	89.95	88.90	1.05	3680.61
				12/07/2021	91.65	89.10	2.55	3680.16
				03/08/2022	91.30	89.20	2.10	3680.13
				06/14/2022	90.95	90.20	0.75	3679.36
				09/06/2022	91.30	90.17	1.13	3679.32
				12/14/2022	91.30	90.47	0.83	3679.07
				03/14/2023	90.94	90.93	0.01	3678.75
				06/14/2023	91.68	91.41	0.27	3678.23
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13 4"	3,771.14	56	96	03/24/2016	82.85	82.20	0.65	3688.83
				06/20/2016	82.78	82.77	0.01	3688.37
				09/28/2016	83.51	-	-	3687.63
				12/13/2016	83.83	-	-	3687.31
				03/16/2017	84.05	-	-	3687.09
				06/05/2017	84.42	-	-	3686.72
				09/19/2017	84.88	-	-	3686.26
				12/13/2017	85.23	-	-	3685.91
				03/23/2018	85.50	-	-	3685.64
				06/14/2018	85.98	-	-	3685.16
				09/24/2018	86.50	86.49	0.01	3684.65
				12/17/2018	86.92	86.91	0.01	3684.23
				03/21/2019	87.31	-	-	3683.83
				06/24/2019	87.51	-	-	3683.63
				09/16/2019	88.03	87.98	0.05	3683.15
				12/12/2019	DR	-	-	-
				03/16/2020	88.70	-	-	3682.44
				06/18/2020	89.25	89.05	0.20	3682.06
				09/17/2020	89.85	-	-	3681.29
				12/08/2020	90.08	-	-	3681.06
				03/08/2021	OB	-	-	-
				06/25/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				12/07/2021	OB	-	-	-
				03/08/2022	OB	-	-	-
				06/14/2022	OB	-	-	-
				09/06/2022	OB	-	-	-
				12/14/2022	OB	-	-	-
				03/14/2023	OB	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-14 4"	3,771.62	55	95	03/24/2016	83.18	-	-	3688.44
				06/20/2016	83.66	-	-	3687.96
				09/28/2016	84.31	-	-	3687.31
				12/13/2016	84.64	-	-	3686.98
				03/16/2017	84.92	-	-	3686.70
				06/05/2017	85.28	-	-	3686.34
				09/19/2017	85.78	-	-	3685.84
				12/13/2017	86.13	-	-	3685.49
				03/23/2018	86.38	-	-	3685.24
				06/14/2018	86.82	-	-	3684.80
				09/24/2018	87.36	-	-	3684.26
				12/17/2018	87.82	-	-	3683.80
				03/21/2019	87.92	-	-	3683.70
				06/24/2019	88.37	-	-	3683.25
				09/11/2019	88.78	-	-	3682.84
				12/12/2019	89.31	-	-	3682.31
				03/16/2020	89.56	-	-	3682.06
				06/17/2020	89.83	-	-	3681.79
				09/15/2020	90.45	-	-	3681.17
				12/07/2020	90.87	-	-	3680.75
				03/08/2021	91.43	-	-	3680.19
				06/23/2021	91.60	-	-	3680.02
				09/10/2021	92.10	-	-	3679.52
				12/07/2021	92.60	-	-	3679.02
				03/08/2022	92.90	-	-	3678.72
				06/13/2022	93.30	-	-	3678.32
				09/06/2022	93.85	-	-	3677.77
				12/14/2022	94.36	-	-	3677.26
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-15 4"	3,771.49	53	93	03/24/2016	82.82	82.54	0.28	3688.90
				06/20/2016	82.19	81.98	0.21	3689.48
				09/28/2016	83.73	-	-	3687.76
				12/13/2016	84.05	-	-	3687.44
				03/16/2017	84.25	-	-	3687.24
				06/05/2017	84.63	-	-	3686.86
				09/19/2017	85.09	-	-	3686.40
				12/13/2017	85.42	-	-	3686.07
				03/23/2018	85.70	85.69	0.01	3685.80
				06/14/2018	86.20	86.15	0.05	3685.33
				09/24/2018	86.69	86.68	0.01	3684.81
				12/17/2018	87.12	87.11	0.01	3684.38
				03/21/2019	87.31	87.30	0.01	3684.19
				06/24/2019	87.85	87.70	0.15	3683.77
				09/16/2019	88.26	88.20	0.06	3683.28
				12/12/2019	88.77	88.73	0.04	3682.75
				03/16/2020	89.04	88.90	0.14	3682.57
				06/18/2020	89.40	89.22	0.18	3682.24
				09/17/2020	DR	-	-	-
				12/08/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-16 4"	3,769.23	55	95	03/24/2016	85.60	79.90	5.70	3688.39
				06/20/2016	81.88	81.30	0.58	3687.83
				09/28/2016	82.28	81.99	0.29	3687.19
				12/13/2016	82.43	82.39	0.04	3686.83
				03/16/2017	82.75	82.58	0.17	3686.62
				06/05/2017	82.98	-	-	3686.25
				09/19/2017	83.45	-	-	3685.78
				12/13/2017	83.81	-	-	3685.42
				03/23/2018	84.09	-	-	3685.14
				06/14/2018	84.53	-	-	3684.70
				09/24/2018	85.06	-	-	3684.17
				12/17/2018	85.50	-	-	3683.73
				03/21/2019	85.69	-	-	3683.54
				06/24/2019	86.10	-	-	3683.13
				09/11/2019	86.52	86.44	0.08	3682.78
				12/12/2019	87.41	87.00	0.41	3682.16
				03/16/2020	87.50	87.28	0.22	3681.91
				06/18/2020	87.80	87.57	0.23	3681.62
				09/15/2020	88.31	88.10	0.21	3681.10
				12/07/2020	88.65	88.58	0.07	3680.64
				03/08/2021	88.98	88.93	0.05	3680.29
				06/23/2021	89.37	89.35	0.02	3679.88
				09/10/2021	89.82	89.80	0.02	3679.43
				12/07/2021	90.33	90.32	0.01	3678.91
				03/08/2022	90.67	90.65	0.02	3678.58
				06/14/2022	91.05	91.04	0.01	3678.19
				09/06/2022	91.57	91.56	0.01	3677.67
				12/14/2022	92.07	92.06	0.01	3677.17
				03/14/2023	92.46	92.45	0.01	3676.78
				06/14/2023	93.00	92.95	0.05	3676.27
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 4"	3,767.45	48	88	03/24/2016	77.18	-	-	3690.27
				06/20/2016	77.62	-	-	3689.83
				09/28/2016	78.25	-	-	3689.20
				12/13/2016	78.60	-	-	3688.85
				03/16/2017	78.92	-	-	3688.53
				06/05/2017	79.25	-	-	3688.20
				09/19/2017	79.71	-	-	3687.74
				12/13/2017	80.14	-	-	3687.31
				03/23/2018	80.41	-	-	3687.04
				06/14/2018	80.80	-	-	3686.65
				09/24/2018	81.28	-	-	3686.17
				12/17/2018	81.74	-	-	3685.71
				03/21/2019	81.95	-	-	3685.50
				06/24/2019	82.34	-	-	3685.11
				09/11/2019	82.69	-	-	3684.76
				12/12/2019	83.25	-	-	3684.20
				03/16/2020	83.53	-	-	3683.92
				06/17/2020	83.80	-	-	3683.65
				09/14/2020	84.35	-	-	3683.10
				12/07/2020	84.77	-	-	3682.68
				03/08/2021	85.11	-	-	3682.34
				06/25/2021	86.91	-	-	3680.54
				09/10/2021	85.95	-	-	3681.50
				12/03/2021	86.40	-	-	3681.05
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-18 4"	3,769.79	48	88	03/24/2016	79.70	-	-	3690.09
				06/20/2016	80.18	-	-	3689.61
				09/28/2016	80.80	-	-	3688.99
				12/13/2016	81.16	-	-	3688.63
				03/16/2017	81.46	-	-	3688.33
				06/05/2017	81.79	-	-	3688.00
				09/19/2017	82.26	-	-	3687.53
				12/13/2017	82.64	-	-	3687.15
				03/23/2018	82.90	-	-	3686.89
				06/14/2018	83.31	-	-	3686.48
				09/24/2018	83.84	-	-	3685.95
				12/17/2018	84.32	-	-	3685.47
				03/21/2019	84.44	-	-	3685.35
				06/24/2019	84.86	-	-	3684.93
				09/11/2019	85.26	-	-	3684.53
				12/12/2019	85.80	-	-	3683.99
				03/16/2020	86.05	-	-	3683.74
				06/17/2020	86.33	-	-	3683.46
				09/14/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-19 4"	3,773.35	48	88	03/24/2016	84.20	-	-	3689.15
				06/20/2016	84.70	-	-	3688.65
				09/28/2016	85.38	-	-	3687.97
				12/13/2016	85.67	-	-	3687.68
				03/16/2017	85.95	-	-	3687.40
				06/05/2017	86.35	-	-	3687.00
				09/19/2017	86.81	-	-	3686.54
				12/13/2017	87.18	-	-	3686.17
				03/23/2018	87.40	-	-	3685.95
				06/14/2018	87.85	-	-	3685.50
				09/24/2018	88.41	-	-	3684.94
				12/17/2018	88.86	-	-	3684.49
				03/21/2019	88.95	-	-	3684.40
				06/24/2019	89.40	-	-	3683.95
				09/11/2019	89.78	-	-	3683.57
				12/12/2019	90.33	-	-	3683.02
				03/16/2020	90.52	-	-	3682.83
				06/17/2020	90.82	-	-	3682.53
				09/15/2020	91.50	-	-	3681.85
				12/07/2020	91.87	-	-	3681.48
				03/08/2021	92.16	-	-	3681.19
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-20 4"	3,773.11	54	94	03/24/2016	84.47	-	-	3688.64
				06/20/2016	84.96	-	-	3688.15
				09/28/2016	85.64	-	-	3687.47
				12/13/2016	85.92	-	-	3687.19
				03/16/2017	86.20	-	-	3686.91
				06/05/2017	86.60	-	-	3686.51
				09/19/2017	87.09	-	-	3686.02
				12/13/2017	87.43	-	-	3685.68
				03/23/2018	87.69	-	-	3685.42
				06/14/2018	88.11	-	-	3685.00
				09/24/2018	88.68	-	-	3684.43
				12/17/2018	89.14	-	-	3683.97
				03/21/2019	89.22	-	-	3683.89
				06/24/2019	89.67	-	-	3683.44
				09/11/2019	90.07	-	-	3683.04
				12/12/2019	90.63	-	-	3682.48
				03/16/2020	90.86	-	-	3682.25
				06/17/2020	91.10	-	-	3682.01
				09/15/2020	91.75	-	-	3681.36
				12/07/2020	92.16	-	-	3680.95
				03/08/2021	92.43	-	-	3680.68
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-21 4"	3,767.35	50	90	03/24/2016	76.76	-	-	3690.59
				06/20/2016	77.22	-	-	3690.13
				09/28/2016	77.85	-	-	3689.50
				12/13/2016	78.21	-	-	3689.14
				03/16/2017	78.55	-	-	3688.80
				06/05/2017	78.86	-	-	3688.49
				09/19/2017	79.31	-	-	3688.04
				12/13/2017	79.73	-	-	3687.62
				03/23/2018	80.02	-	-	3687.33
				06/14/2018	80.41	-	-	3686.94
				09/24/2018	80.89	-	-	3686.46
				12/17/2018	81.41	-	-	3685.94
				03/21/2019	81.56	-	-	3685.79
				06/24/2019	81.95	-	-	3685.40
				09/11/2019	82.32	-	-	3685.03
				12/12/2019	82.86	-	-	3684.49
				03/16/2020	83.16	-	-	3684.19
				06/17/2020	83.40	-	-	3683.95
				09/14/2020	83.93	-	-	3683.42
				12/07/2020	84.35	-	-	3683.00
				03/08/2021	84.70	-	-	3682.65
				06/25/2021	85.16	-	-	3682.19
				09/10/2021	85.55	-	-	3681.80
				12/03/2021	85.95	-	-	3681.40
				03/08/2022	86.36	-	-	3680.99
				06/13/2022	86.76	-	-	3680.59
				09/06/2022	87.30	-	-	3680.05
				12/14/2022	87.76	-	-	3679.59
				03/14/2023	88.15	-	-	3679.20
				06/14/2023	88.59	-	-	3678.76
				09/14/2023	89.04	-	-	3678.31
				12/12/2023	89.57	-	-	3677.78
MW-22 4"	3,769.17	50	90	03/24/2016	78.61	-	-	3690.56
				06/20/2016	79.06	-	-	3690.11
				09/28/2016	79.67	-	-	3689.50
				12/13/2016	80.02	-	-	3689.15
				03/16/2017	80.32	-	-	3688.85
				06/05/2017	80.67	-	-	3688.50
				09/19/2017	81.15	-	-	3688.02
				12/13/2017	81.54	-	-	3687.63
				03/23/2018	81.80	-	-	3687.37
				06/14/2018	82.22	-	-	3686.95
				09/24/2018	82.71	-	-	3686.46
				12/17/2018	83.15	-	-	3686.02
				03/21/2019	83.35	-	-	3685.82
				06/24/2019	83.74	-	-	3685.43
				09/11/2019	84.14	-	-	3685.03
				12/12/2019	84.68	-	-	3684.49
				03/16/2020	84.96	-	-	3684.21
				06/17/2020	85.21	-	-	3683.96
				09/14/2020	85.75	-	-	3683.42
				12/07/2020	86.17	-	-	3683.00
				03/08/2021	86.51	-	-	3682.66
				06/25/2021	86.96	-	-	3682.21
				09/10/2021	87.35	-	-	3681.82
				12/03/2021	87.80	-	-	3681.37
				03/08/2022	88.15	-	-	3681.02
				06/13/2022	88.58	-	-	3680.59
				09/06/2022	89.09	-	-	3680.08
				12/14/2022	89.57	-	-	3679.60
				03/14/2023	89.97	-	-	3679.20
				06/14/2023	90.39	-	-	3678.78
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-23 4"	3,771.00	55	95	03/24/2016	80.75	-	-	3690.25
				06/20/2016	81.22	-	-	3689.78
				09/28/2016	81.87	-	-	3689.13
				12/13/2016	82.20	-	-	3688.80
				03/16/2017	82.51	-	-	3688.49
				06/05/2017	82.87	-	-	3688.13
				09/19/2017	83.32	-	-	3687.68
				12/13/2017	83.71	-	-	3687.29
				03/23/2018	83.97	-	-	3687.03
				06/14/2018	84.20	-	-	3686.80
				09/24/2018	84.92	-	-	3686.08
				12/17/2018	85.35	-	-	3685.65
				03/21/2019	85.52	-	-	3685.48
				06/24/2019	85.93	-	-	3685.07
				09/11/2019	86.33	-	-	3684.67
				12/12/2019	88.88	-	-	3682.12
				03/16/2020	87.12	-	-	3683.88
				06/17/2020	87.33	-	-	3683.67
				09/14/2020	87.93	-	-	3683.07
				12/07/2020	88.38	-	-	3682.62
				03/08/2021	88.68	-	-	3682.32
				06/23/2021	89.10	-	-	3681.90
				09/10/2021	89.56	-	-	3681.44
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-24 4"	3,770.97	50	90	03/24/2016	85.10	80.91	4.19	3689.37
				06/20/2016	85.76	81.40	4.36	3688.85
				09/28/2016	86.29	82.16	4.13	3688.13
				12/13/2016	85.82	82.64	3.18	3687.81
				03/16/2017	87.70	82.56	5.14	3687.56
				06/05/2017	86.75	83.20	3.55	3687.18
				09/19/2017	89.00	83.35	5.65	3686.69
				12/13/2017	85.27	84.60	0.67	3686.26
				03/23/2018	86.07	84.71	1.36	3686.04
				06/14/2018	88.20	84.95	3.25	3685.48
				09/24/2018	88.42	86.24	2.18	3684.37
				12/17/2018	89.69	85.65	4.04	3684.65
				03/21/2019	89.41	85.93	3.48	3684.47
				06/24/2019	89.62	86.38	3.24	3684.06
				09/16/2019	87.43	86.95	0.48	3683.94
				12/12/2019	89.90	87.53	2.37	3683.05
				03/16/2020	88.15	88.13	0.02	3682.84
				06/18/2020	88.57	88.45	0.12	3682.50
				09/17/2020	89.10	89.01	0.09	3681.95
				12/08/2020	89.52	89.49	0.03	3681.48
				03/08/2021	89.79	89.78	0.01	3681.19
				06/25/2021	90.24	90.21	0.03	3680.76
				09/10/2021	90.69	90.64	0.05	3680.32
				12/07/2021	91.11	91.10	0.01	3679.87
				03/08/2022	91.65	91.40	0.25	3679.53
				06/14/2022	91.90	91.89	0.01	3679.08
				09/06/2022	92.40	92.39	0.01	3678.58
				12/14/2022	92.84	92.83	0.01	3678.14
				03/14/2023	93.25	93.24	0.01	3677.73
				06/14/2023	93.72	-	-	3677.25
				09/14/2023	94.16	94.15	0.01	3676.82
				12/12/2023	94.63	94.62	0.01	3676.35

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-25 4"	3,770.54	55	95	03/24/2016	84.76	80.38	4.38	3689.44
				06/20/2016	85.03	80.90	4.13	3688.96
				09/28/2016	85.90	81.61	4.29	3688.22
				12/13/2016	NL	-	-	-
				03/16/2017	87.34	81.98	5.36	3687.68
				06/05/2017	83.75	83.17	0.58	3687.27
				09/19/2017	84.30	83.61	0.69	3686.82
				12/13/2017	84.22	84.06	0.16	3686.45
				03/23/2018	84.53	84.23	0.30	3686.26
				06/14/2018	85.01	84.80	0.21	3685.71
				09/24/2018	85.34	85.33	0.01	3685.21
				12/17/2018	85.80	85.75	0.05	3684.78
				03/21/2019	85.93	85.91	0.02	3684.63
				06/24/2019	86.41	86.35	0.06	3684.18
				09/16/2019	87.10	86.80	0.30	3683.69
				12/12/2019	87.90	87.27	0.63	3683.17
				03/16/2020	88.57	87.32	1.25	3683.01
				06/18/2020	89.60	87.52	2.08	3682.68
				09/17/2020	90.57	88.00	2.57	3682.12
				12/08/2020	90.47	88.64	1.83	3681.60
				03/08/2021	90.64	88.91	1.73	3681.34
				06/25/2021	91.41	89.27	2.14	3680.92
				09/10/2021	90.05	90.02	0.03	3680.52
				12/07/2021	90.46	90.45	0.01	3680.09
				03/08/2022	91.30	90.75	0.55	3679.70
				06/14/2022	91.76	91.20	0.56	3679.25
				09/06/2022	92.34	91.73	0.61	3678.71
				12/14/2022	92.25	92.01	0.24	3678.49
				03/14/2023	92.65	92.64	0.01	3677.90
				06/14/2023	91.01	-	-	3679.53
				09/14/2023	93.56	93.55	0.01	3676.99
				12/12/2023	94.02	94.01	0.01	3676.53
MW-26 4"	3,772.89	55	95	03/24/2016	83.30	-	-	3689.59
				06/20/2016	83.80	-	-	3689.09
				09/28/2016	84.40	-	-	3688.49
				12/13/2016	84.75	-	-	3688.14
				03/16/2017	85.04	-	-	3687.85
				06/05/2017	85.41	-	-	3687.48
				09/19/2017	85.87	-	-	3687.02
				12/13/2017	86.25	-	-	3686.64
				03/23/2018	86.50	-	-	3686.39
				06/14/2018	86.95	-	-	3685.94
				09/24/2018	87.48	-	-	3685.41
				12/17/2018	87.90	-	-	3684.99
				03/21/2019	88.05	-	-	3684.84
				06/24/2019	88.48	-	-	3684.41
				09/11/2019	89.87	-	-	3683.02
				12/12/2019	89.40	-	-	3683.49
				03/16/2020	89.68	-	-	3683.21
				06/17/2020	89.90	-	-	3682.99
				09/14/2020	90.51	-	-	3682.38
				12/07/2020	90.93	-	-	3681.96
				03/08/2021	91.23	-	-	3681.66
				06/23/2021	91.68	-	-	3681.21
				09/10/2021	92.15	-	-	3680.74
				12/03/2021	92.80	-	-	3680.09
				03/08/2022	92.93	-	-	3679.96
				06/13/2022	93.35	-	-	3679.54
				09/06/2022	93.90	-	-	3678.99
				12/14/2022	94.38	-	-	3678.51
				03/14/2023	94.74	-	-	3678.15
				06/14/2023	95.21	-	-	3677.68
				09/14/2023	95.65	-	-	3677.24
				12/12/2023	96.14	-	-	3676.75

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-27 4"	3,774.53	55	95	03/24/2016	86.82	-	-	3687.71
				06/20/2016	86.85	-	-	3687.68
				09/28/2016	87.52	-	-	3687.01
				12/13/2016	87.80	-	-	3686.73
				03/16/2017	88.08	-	-	3686.45
				06/05/2017	88.49	-	-	3686.04
				09/19/2017	88.95	-	-	3685.58
				12/13/2017	89.31	-	-	3685.22
				03/23/2018	89.55	-	-	3684.98
				06/14/2018	90.01	-	-	3684.52
				09/24/2018	90.58	-	-	3683.95
				12/17/2018	90.98	-	-	3683.55
				03/21/2019	91.09	-	-	3683.44
				06/24/2019	91.56	-	-	3682.97
				09/11/2019	92.00	-	-	3682.53
				12/12/2019	92.52	-	-	3682.01
				03/16/2020	92.75	-	-	3681.78
				06/17/2020	93.00	-	-	3681.53
				09/15/2020	93.65	-	-	3680.88
				12/07/2020	94.07	-	-	3680.46
				03/08/2021	94.33	-	-	3680.20
				06/23/2021	94.83	-	-	3679.70
				09/10/2021	95.30	-	-	3679.23
				12/07/2021	95.80	-	-	3678.73
				03/08/2022	96.10	-	-	3678.43
				06/13/2022	96.51	-	-	3678.02
				09/06/2022	97.07	-	-	3677.46
				12/14/2022	97.57	-	-	3676.96
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	98.04	-	-	3676.49
MW-28 4"	3,772.18	55	95	03/24/2016	84.20	-	-	3687.98
				06/20/2016	84.70	-	-	3687.48
				09/28/2016	85.35	-	-	3686.83
				12/13/2016	85.68	-	-	3686.50
				03/16/2017	85.93	-	-	3686.25
				06/05/2017	86.32	-	-	3685.86
				09/19/2017	86.79	-	-	3685.39
				12/13/2017	87.18	-	-	3685.00
				03/23/2018	87.42	-	-	3684.76
				06/14/2018	87.90	-	-	3684.28
				09/24/2018	88.41	-	-	3683.77
				12/17/2018	88.89	-	-	3683.29
				03/21/2019	88.99	-	-	3683.19
				06/24/2019	89.42	-	-	3682.76
				09/11/2019	89.84	-	-	3682.34
				12/12/2019	90.39	-	-	3681.79
				03/16/2020	90.64	-	-	3681.54
				06/17/2020	90.91	-	-	3681.27
				09/15/2020	91.50	-	-	3680.68
				12/07/2020	91.96	-	-	3680.22
				03/08/2021	91.22	-	-	3680.96
				06/23/2021	92.68	-	-	3679.50
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-29 4"	3,769.79	55	96	03/24/2016	81.91	-	-	3687.88
				06/20/2016	82.40	-	-	3687.39
				09/28/2016	83.05	-	-	3686.74
				12/13/2016	83.37	-	-	3686.42
				03/16/2017	83.65	-	-	3686.14
				06/05/2017	84.01	-	-	3685.78
				09/19/2017	84.50	-	-	3685.29
				12/13/2017	84.88	-	-	3684.91
				03/23/2018	85.15	-	-	3684.64
				06/14/2018	85.57	-	-	3684.22
				09/24/2018	86.50	-	-	3683.29
				12/17/2018	86.55	-	-	3683.24
				03/21/2019	86.71	-	-	3683.08
				06/24/2019	87.13	-	-	3682.66
				09/11/2019	87.56	-	-	3682.23
				12/12/2019	88.08	-	-	3681.71
				03/16/2020	88.35	-	-	3681.44
				06/18/2020	88.65	-	-	3681.14
				09/15/2020	89.20	-	-	3680.59
				12/07/2020	89.64	-	-	3680.15
				03/08/2021	OB	-	-	-
				06/23/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				09/30/2021	90.90	-	-	3678.89
				12/07/2021	91.40	-	-	3678.39
				03/08/2022	91.70	-	-	3678.09
				06/13/2022	92.09	-	-	3677.70
				09/06/2022	92.64	-	-	3677.15
				12/14/2022	93.18	-	-	3676.61
				03/14/2023	93.51	-	-	3676.28
				06/14/2023	93.99	-	-	3675.80
				09/14/2023	94.45	-	-	3675.34
				12/12/2023	94.96	-	-	3674.83
MW-30 4"	3,766.52	61	91	03/24/2016	81.80	75.78	6.02	3689.75
				06/20/2016	81.56	75.42	6.14	3690.09
				09/28/2016	80.55	77.37	3.18	3688.63
				12/14/2016	80.22	77.88	2.34	3688.25
				03/16/2017	80.35	78.18	2.17	3687.98
				06/05/2017	80.32	78.58	1.74	3687.65
				09/19/2017	80.04	79.22	0.82	3687.16
				12/13/2017	80.29	79.60	0.69	3686.81
				03/23/2018	81.09	79.80	1.29	3686.51
				06/14/2018	83.30	79.87	3.43	3686.08
				09/24/2018	83.50	80.32	3.18	3685.68
				12/17/2018	84.84	80.68	4.16	3685.15
				03/21/2019	83.84	81.18	2.66	3684.90
				06/24/2019	OB	-	-	-
				09/11/2019	OB	-	-	-
				12/12/2019	84.90	82.50	2.40	3683.62
				03/16/2020	85.60	82.73	2.87	3683.32
				06/17/2020	86.26	82.90	3.36	3683.07
				09/17/2020	86.80	83.42	3.38	3682.54
				12/07/2020	87.23	83.86	3.37	3682.10
				03/08/2021	86.72	84.43	2.29	3681.71
				06/23/2021	85.40	85.17	0.23	3681.31
				09/10/2021	86.04	85.56	0.48	3680.88
				12/07/2021	86.65	85.95	0.70	3680.45
				03/08/2022	86.33	86.32	0.01	3680.20
				06/14/2022	87.49	86.76	0.73	3679.64
				09/06/2022	87.64	87.21	0.43	3679.24
				12/14/2022	87.64	87.61	0.03	3678.91
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-31 4"	3,766.45	60	90	03/24/2016	83.58	75.68	7.90	3689.47
				06/20/2016	83.72	75.81	7.91	3689.33
				09/28/2016	84.04	76.96	7.08	3688.32
				12/14/2016	83.10	77.56	5.54	3687.98
				03/16/2017	85.10	77.45	7.65	3687.74
				06/05/2017	85.15	77.84	7.31	3687.40
				09/19/2017	85.90	78.39	7.51	3686.82
				12/13/2017	84.11	79.10	5.01	3686.52
				03/23/2018	81.83	79.93	1.90	3686.21
				06/14/2018	80.00	79.70	0.30	3686.70
				09/24/2018	85.17	80.35	4.82	3685.30
				12/17/2018	84.80	80.80	4.00	3684.99
				03/21/2019	85.44	81.12	4.32	3684.62
				06/24/2019	85.95	81.58	4.37	3684.15
				09/11/2019	84.80	82.06	2.74	3683.94
				12/12/2019	85.43	82.75	2.68	3683.26
				03/16/2020	85.55	83.00	2.55	3683.03
				06/17/2020	85.76	83.35	2.41	3682.70
				09/17/2020	86.00	83.90	2.10	3682.20
				12/07/2020	86.01	84.23	1.78	3681.93
				03/08/2021	86.13	84.66	1.47	3681.55
				06/23/2021	85.57	85.45	0.12	3680.98
				09/10/2021	86.05	85.90	0.15	3680.53
				12/07/2021	86.50	85.95	0.55	3680.41
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
MW-32 4"	3,766.75	60	90	03/24/2016	83.85	76.42	7.43	3689.10
				06/20/2016	83.43	76.82	6.61	3688.84
				09/28/2016	83.95	77.74	6.21	3687.99
				12/14/2016	84.08	78.18	5.90	3687.60
				03/16/2017	84.70	78.30	6.40	3687.39
				06/05/2017	84.71	78.75	5.96	3687.02
				09/19/2017	86.35	79.00	7.35	3686.54
				12/13/2017	85.33	76.95	8.38	3688.42
				03/23/2018	85.75	79.93	5.82	3685.86
				06/14/2018	81.13	80.11	1.02	3686.47
				09/24/2018	84.20	80.64	3.56	3685.52
				12/17/2018	88.15	81.11	7.04	3684.48
				03/21/2019	88.29	81.34	6.95	3684.26
				06/24/2019	88.73	81.70	7.03	3683.89
				09/11/2019	88.85	82.26	6.59	3683.40
				12/12/2019	85.48	83.54	1.94	3682.89
				03/16/2020	86.25	83.70	2.55	3682.63
				06/17/2020	87.27	83.65	3.62	3682.50
				09/17/2020	89.15	84.08	5.07	3681.83
				12/07/2020	89.51	84.54	4.97	3681.39
				03/08/2021	87.13	85.43	1.70	3681.04
				06/23/2021	87.24	85.60	1.64	3680.88
				09/10/2021	90.00	85.66	4.34	3680.37
				12/07/2021	88.55	86.75	1.80	3679.70
				03/08/2022	90.51	86.80	3.71	3679.34
				06/14/2022	90.30	87.32	2.98	3678.94
				09/06/2022	91.35	87.70	3.65	3678.45
				12/14/2022	89.50	88.69	0.81	3677.93
				03/14/2023	90.37	89.00	1.37	3677.52
				06/14/2023	90.86	89.45	1.41	3677.07
				09/14/2023	91.29	89.90	1.39	3676.62
				12/12/2023	91.77	90.38	1.39	3676.14

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-33 4"	3,767.44	60	90	03/24/2016	NL	-	-	-
				06/20/2016	85.01	77.95	7.06	3688.33
				09/28/2016	82.56	79.32	3.24	3687.59
				12/14/2016	83.23	79.60	3.63	3687.24
				03/16/2017	85.40	79.45	5.95	3687.01
				06/05/2017	84.85	79.98	4.87	3686.66
				09/19/2017	86.32	80.26	6.06	3686.18
				12/13/2017	83.85	81.20	2.65	3685.80
				03/23/2018	NL	-	-	-
				06/14/2018	NL	-	-	-
				09/24/2018	88.35	81.80	6.55	3684.56
				12/17/2018	88.35	82.30	6.05	3684.14
				03/21/2019	87.57	82.58	4.99	3684.04
				06/24/2019	88.79	82.95	5.84	3683.53
				09/11/2019	88.89	83.39	5.50	3683.14
				12/12/2019	85.13	84.86	0.27	3682.54
				03/16/2020	85.17	85.15	0.02	3682.29
				06/17/2020	85.60	85.44	0.16	3681.97
				09/17/2020	86.17	86.05	0.12	3681.37
				12/07/2020	86.72	86.42	0.30	3680.97
				03/08/2021	87.13	85.43	1.70	3681.04
				06/23/2021	87.24	85.60	1.64	3680.88
				09/10/2021	90.00	85.66	4.34	3680.37
				12/07/2021	88.55	86.75	1.80	3679.70
				03/08/2022	88.57	88.55	0.02	3678.89
				06/14/2022	89.24	88.85	0.39	3678.53
				09/06/2022	89.70	89.37	0.33	3678.02
				12/14/2022	89.86	89.85	0.01	3677.59
				03/14/2023	90.72	90.25	0.47	3677.11
				06/14/2023	91.05	90.72	0.33	3676.67
				09/14/2023	91.52	91.17	0.35	3676.21
				12/12/2023	91.98	91.64	0.34	3675.74
MW-34 4"	3,766.32	59.4	89.4	03/24/2016	76.85	-	-	3689.47
				06/20/2016	77.30	-	-	3689.02
				09/28/2016	77.90	-	-	3688.42
				12/13/2016	78.28	-	-	3688.04
				03/16/2017	78.60	-	-	3687.72
				06/05/2017	79.90	-	-	3686.42
				09/19/2017	79.36	-	-	3686.96
				12/13/2017	79.76	-	-	3686.56
				03/23/2018	83.10	-	-	3683.22
				06/14/2018	80.45	-	-	3685.87
				09/24/2018	80.90	-	-	3685.42
				12/17/2018	81.40	-	-	3684.92
				03/21/2019	81.67	-	-	3684.65
				06/24/2019	81.99	-	-	3684.33
				09/16/2019	82.50	-	-	3683.82
				12/12/2019	82.92	-	-	3683.40
				03/16/2020	83.22	-	-	3683.10
				06/17/2020	83.51	-	-	3682.81
				09/16/2020	84.05	-	-	3682.27
				12/07/2020	84.47	-	-	3681.85
				03/08/2021	84.83	-	-	3681.49
				06/23/2021	85.26	-	-	3681.06
				09/10/2021	85.66	-	-	3680.66
				12/07/2021	86.10	-	-	3680.22
				03/08/2022	86.53	-	-	3679.79
				06/13/2022	86.90	-	-	3679.42
				09/06/2022	87.35	-	-	3678.97
				12/14/2022	87.94	-	-	3678.38
				03/14/2023	88.31	-	-	3678.01
				06/14/2023	88.73	-	-	3677.59
				09/14/2023	89.21	-	-	3677.11
				12/12/2023	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-35 4"	3,765.67	61.1	91.1	03/24/2016	76.71	-	-	3688.96
				06/20/2016	77.18	-	-	3688.49
				09/28/2016	77.79	-	-	3687.88
				12/13/2016	78.18	-	-	3687.49
				03/16/2017	78.48	-	-	3687.19
				06/05/2017	78.80	-	-	3686.87
				09/19/2017	79.25	-	-	3686.42
				12/13/2017	79.66	-	-	3686.01
				03/23/2018	79.96	-	-	3685.71
				06/14/2018	80.35	-	-	3685.32
				09/24/2018	80.84	-	-	3684.83
				12/17/2018	81.35	-	-	3684.32
				03/21/2019	81.57	-	-	3684.10
				06/24/2019	81.90	-	-	3683.77
				09/16/2019	82.35	-	-	3683.32
				12/12/2019	82.85	-	-	3682.82
				03/16/2020	83.13	-	-	3682.54
				06/17/2020	83.44	-	-	3682.23
				09/16/2020	83.95	-	-	3681.72
				12/07/2020	84.38	-	-	3681.29
				03/08/2021	84.72	-	-	3680.95
				06/23/2021	85.15	-	-	3680.52
				09/10/2021	85.58	-	-	3680.09
				12/07/2021	86.00	-	-	3679.67
				03/08/2022	86.45	-	-	3679.22
				06/13/2022	86.83	-	-	3678.84
				09/06/2022	87.30	-	-	3678.37
				12/14/2022	88.85	-	-	3676.82
				03/14/2023	88.23	-	-	3677.44
				06/14/2023	88.66	-	-	3677.01
				09/14/2023	89.14	-	-	3676.53
				12/12/2023	89.64	-	-	3676.03
MW-36 4"	3,765.37	61.4	91.4	03/24/2016	76.91	-	-	3688.46
				06/20/2016	77.35	-	-	3688.02
				09/28/2016	78.00	-	-	3687.37
				12/13/2016	78.37	-	-	3687.00
				03/16/2017	78.67	-	-	3686.70
				06/05/2017	79.01	-	-	3686.36
				09/19/2017	79.46	-	-	3685.91
				12/13/2017	79.87	-	-	3685.50
				03/23/2018	80.16	-	-	3685.21
				06/14/2018	80.56	-	-	3684.81
				09/24/2018	81.05	-	-	3684.32
				12/17/2018	81.56	-	-	3683.81
				03/21/2019	81.79	-	-	3683.58
				06/24/2019	82.14	-	-	3683.23
				09/16/2019	82.55	-	-	3682.82
				12/12/2019	83.06	-	-	3682.31
				03/16/2020	83.32	-	-	3682.05
				06/17/2020	83.65	-	-	3681.72
				09/16/2020	84.17	-	-	3681.20
				12/07/2020	84.61	-	-	3680.76
				03/08/2021	84.93	-	-	3680.44
				06/23/2021	85.39	-	-	3679.98
				09/10/2021	85.81	-	-	3679.56
				12/07/2021	86.30	-	-	3679.07
				03/08/2022	86.67	-	-	3678.70
				06/13/2022	87.06	-	-	3678.31
				09/06/2022	87.58	-	-	3677.79
				12/14/2022	88.10	-	-	3677.27
				03/14/2023	88.48	-	-	3676.89
				06/14/2023	88.94	-	-	3676.43
				09/14/2023	89.39	-	-	3675.98
				12/12/2023	89.92	-	-	3675.45

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-37 4"	3,772.66	73	103	03/24/2016	85.33	-	-	3687.33
				06/20/2016	85.86	-	-	3686.80
				09/28/2016	86.50	-	-	3686.16
				12/13/2016	86.81	-	-	3685.85
				03/16/2017	87.07	-	-	3685.59
				06/05/2017	87.37	-	-	3685.29
				09/19/2017	87.92	-	-	3684.74
				12/13/2017	88.32	-	-	3684.34
				03/23/2018	88.56	-	-	3684.10
				06/14/2018	89.03	-	-	3683.63
				09/24/2018	89.59	-	-	3683.07
				12/17/2018	89.90	-	-	3682.76
				03/21/2019	90.10	-	-	3682.56
				06/24/2019	90.08	-	-	3682.58
				09/11/2019	91.02	-	-	3681.64
				12/12/2019	91.52	-	-	3681.14
				03/16/2020	91.78	-	-	3680.88
				06/17/2020	92.05	-	-	3680.61
				09/15/2020	92.67	-	-	3679.99
				12/07/2020	93.14	-	-	3679.52
				03/08/2021	93.35	-	-	3679.31
				06/23/2021	93.87	-	-	3678.79
				09/10/2021	94.35	-	-	3678.31
				12/07/2021	94.90	-	-	3677.76
				03/08/2022	95.15	-	-	3677.51
				06/13/2022	95.55	-	-	3677.11
				09/06/2022	96.18	-	-	3676.48
				12/14/2022	96.70	-	-	3675.96
				03/14/2023	97.00	-	-	3675.66
				06/14/2023	97.49	-	-	3675.17
				09/14/2023	97.96	-	-	3674.70
				12/12/2023	98.46	-	-	3674.20
MW-38 4"	3,769.96	73	103	03/24/2016	82.52	-	-	3687.44
				06/20/2016	83.02	-	-	3686.94
				09/28/2016	83.67	-	-	3686.29
				12/13/2016	84.02	-	-	3685.94
				03/16/2017	84.27	-	-	3685.69
				06/05/2017	84.66	-	-	3685.30
				09/19/2017	85.10	-	-	3684.86
				12/13/2017	85.53	-	-	3684.43
				03/23/2018	85.79	-	-	3684.17
				06/14/2018	86.21	-	-	3683.75
				09/24/2018	88.74	-	-	3681.22
				12/17/2018	91.68	-	-	3678.28
				03/21/2019	87.35	-	-	3682.61
				06/24/2019	87.80	-	-	3682.16
				09/11/2019	88.19	-	-	3681.77
				12/12/2019	88.72	-	-	3681.24
				03/16/2020	89.00	-	-	3680.96
				06/18/2020	89.35	-	-	3680.61
				09/15/2020	89.85	-	-	3680.11
				12/07/2020	90.30	-	-	3679.66
				03/08/2021	90.58	-	-	3679.38
				06/23/2021	91.08	-	-	3678.88
				09/10/2021	91.55	-	-	3678.41
				12/07/2021	90.20	-	-	3679.76
				03/08/2022	92.37	-	-	3677.59
				06/13/2022	92.77	-	-	3677.19
				09/06/2022	93.31	-	-	3676.65
				12/14/2022	93.88	-	-	3676.08
				03/14/2023	94.22	-	-	3675.74
				06/14/2023	94.70	-	-	3675.26
				09/14/2023	95.15	-	-	3674.81
				12/12/2023	95.68	-	-	3674.28

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-39 4"	3,768.99	85	105	09/24/2018	91.21	-	-	3677.78
				12/17/2018	86.71	-	-	3682.28
				03/21/2019	86.92	-	-	3682.07
				06/24/2019	87.28	-	-	3681.71
				09/17/2019	87.73	-	-	3681.26
				12/12/2019	88.23	-	-	3680.76
				03/16/2020	88.50	-	-	3680.49
				06/18/2020	88.84	-	-	3680.15
				09/16/2020	89.35	-	-	3679.64
				12/07/2020	89.84	-	-	3679.15
				03/08/2021	90.12	-	-	3678.87
				06/23/2021	90.63	-	-	3678.36
				09/10/2021	91.04	-	-	3677.95
				12/07/2021	91.55	-	-	3677.44
				03/08/2022	91.17	-	-	3677.82
				06/13/2022	92.30	-	-	3676.69
				09/06/2022	92.87	-	-	3676.12
				12/14/2022	93.42	-	-	3675.57
				03/14/2023	93.78	-	-	3675.21
				06/14/2023	94.23	-	-	3674.76
				09/14/2023	94.71	-	-	3674.28
				12/12/2023	95.23	-	-	3673.76
MW-40 4"	3,773.47	85	105	09/24/2018	86.21	-	-	3687.26
				12/17/2018	86.71	-	-	3686.76
				03/21/2019	91.77	-	-	3681.70
				06/24/2019	92.25	-	-	3681.22
				09/11/2019	92.66	-	-	3680.81
				12/12/2019	93.17	-	-	3680.30
				03/16/2020	93.34	-	-	3680.13
				06/18/2020	93.75	-	-	3679.72
				09/15/2020	94.30	-	-	3679.17
				12/07/2020	94.78	-	-	3678.69
				03/08/2021	98.98	-	-	3674.49
				06/23/2021	95.51	-	-	3677.96
				09/10/2021	96.03	-	-	3677.44
				12/07/2021	96.55	-	-	3676.92
				03/08/2022	96.90	-	-	3676.57
				06/13/2022	97.23	-	-	3676.24
				09/06/2022	97.83	-	-	3675.64
				12/14/2022	98.36	-	-	3675.11
				03/14/2023	98.68	-	-	3674.79
				06/14/2023	99.17	-	-	3674.30
				09/14/2023	99.63	-	-	3673.84
				12/12/2023	100.17	-	-	3673.30
MW-41 4"	3,766.15	85	105	09/24/2018	82.50	-	-	3683.65
				12/17/2018	83.01	-	-	3683.14
				03/21/2019	83.22	-	-	3682.93
				06/24/2019	83.58	-	-	3682.57
				09/16/2019	84.02	-	-	3682.13
				12/12/2019	84.52	-	-	3681.63
				03/16/2020	84.80	-	-	3681.35
				06/17/2020	85.13	-	-	3681.02
				09/16/2020	85.64	-	-	3680.51
				12/07/2020	86.10	-	-	3680.05
				03/08/2021	86.43	-	-	3679.72
				06/23/2021	86.87	-	-	3679.28
				09/10/2021	87.30	-	-	3678.85
				12/07/2021	87.75	-	-	3678.40
				03/08/2022	88.17	-	-	3677.98
				06/13/2022	88.55	-	-	3677.60
				09/06/2022	89.06	-	-	3677.09
				12/14/2022	89.60	-	-	3676.55
				03/14/2023	89.97	-	-	3676.18
				06/14/2023	90.45	-	-	3675.70
				09/14/2023	90.91	-	-	3675.24
				12/12/2023	91.42	-	-	3674.73

Specific Gravity: 0.75
Notes:
fmsl □ feet above mean sea level
DR □ Well dry
NG □ Well not gauged
OB □ Obstruction in well
PA □ Well plugged and abandoned

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-13	09/21/2017	**0.568 D**	0.165	0.0860	0.154	0.973
	12/21/2017	**0.397 X**	0.0344 X	0.0201	0.0621	0.514
	03/28/2018	**3.07 D**	0.371	0.131	0.336	3.91
	06/14/2018	**2.18**	0.469	0.161	0.370	3.18
	03/27/2019	**0.0392**	0.0111	0.0309	0.0551	0.136
	06/27/2019	<0.000480	<0.000512	0.00660	0.00640	0.0130
	03/19/2020	**0.0404**	<0.000512	0.00200	0.00280	0.0452
	09/17/2020	**4.15 D**	0.00691	0.0347	0.0345	4.23
	12/09/2020	**3.03 D**	0.0649	0.157	0.2442	3.496
MW-14	03/28/2016	**0.0120**	0.00100	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00150	<0.000621	<0.000763	0.00130	-
	12/13/2016	**0.0411**	<0.00100	<0.000657	<0.000642	-
	03/21/2017	**0.0520**	<0.000367	<0.000657	<0.000630	0.0520
	06/06/2017	**0.671 D**	0.00198 J	<0.000657	0.00300	0.676
	09/21/2017	**0.0411**	<0.00100	<0.000657	<0.000630	0.0411
	12/21/2017	0.00262	<0.000367	<0.000657	<0.000630	0.00262
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	0.00230	<0.000512	<0.000616	<0.000270	0.00230
	09/26/2018	**0.0225**	0.00100 J	<0.000657	<0.000630	0.0235
	12/18/2018	**0.165**	0.000900 J	<0.000616	<0.000270	0.166
	03/26/2019	**0.0297**	<0.000500	<0.000500	<0.000500	0.0297
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00771	<0.000657	<0.000630	0.00771
	12/13/2019	0.00392	0.000520	<0.000657	<0.000630	0.00444
	03/19/2020	**0.0123**	<0.000512	<0.000616	0.000900 J	0.0132
	06/19/2020	**0.0671**	0.000540 J	<0.000657	0.000900 J	0.0685
	09/15/2020	**0.0861**	<0.000367	0.00182 J	<0.000630	0.0879
	12/08/2020	0.00635	0.000530 J	<0.002000	<0.0006300	0.006880
	03/09/2021	**0.0363**	<0.00200	0.00214	<0.00200	0.0384
	06/24/2021	0.000451 J	0.000782 J	<0.00200	<0.00400	0.00123 J
	09/14/2021	0.00239	<0.00200	0.000943 J	0.000773 J	0.00411
	12/08/2021	0.00103 J	0.000679 J	<0.00200	<0.00400	0.00171 J
	03/09/2022	0.00165 J	<0.000367	<0.000657	0.00322 J	0.00487
	06/15/2022	**0.0160**	<0.000367	<0.000657	0.0178	0.0338
	09/07/2022	**3.65**	<0.000367	0.206	0.193	4.05
MW-15	09/21/2017	**0.296**	0.0640	0.0681	0.180	0.608
	12/21/2017	**0.307**	0.0848	0.0276	0.121	0.540
	03/28/2018	**0.0684**	0.0282	0.00910	0.0300	0.136
MW-16	09/21/2017	**13.1 D**	0.0610	0.143	0.185	13.5
	12/21/2017	**3.66 D**	0.0542	0.0532	0.103	3.87
	03/28/2018	**6.44 D**	0.0252	0.212	0.245	6.92
	06/14/2018	**9.38**	<0.0256	0.275	0.240	9.90
	09/26/2018	**9.24 D**	0.0161	0.207	0.187	9.65
	12/18/2018	**4.35**	<0.0102	0.114	0.0820	4.55
	03/26/2019	**9.85**	<0.0100	0.350	0.259	10.5
	06/27/2019	**3.54**	<0.0256	0.165	0.190	3.90

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-17	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00125 J	0.00118 J	<0.000657	<0.000642	0.00243
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00319	<0.000367	<0.000657	<0.000630	0.00319
	06/14/2018	0.00150	<0.000512	<0.000616	<0.000270	0.00150
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	0.000780	<0.000500	<0.000500	<0.000500	0.000780
	06/24/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00360	<0.000367	0.00166 J	<0.000630	0.00526
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
MW-18	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00240	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00113 J	0.00134 J	<0.000657	<0.000642	0.00247
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00106 J	<0.000367	<0.000657	<0.000630	0.00106 J
	06/14/2018	0.000600 J	<0.000512	<0.000616	<0.000270	0.000600 J
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/27/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
MW-19	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00128 J	0.00153 J	<0.000657	<0.000642	0.00281
	09/21/2017	0.00178 J	<0.00100	0.000830 J	0.000660 J	0.00327
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000700 J	<0.000657	<0.000630	0.000700 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2020	**0.0109**	<0.000512	<0.000616	0.000600 J	0.0115
	06/19/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-20	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	0.00260	<0.000367	<0.000657	<0.000630	0.00260
	06/06/2017	0.00180 J	0.00189 J	<0.000657	<0.000642	0.00369
	09/21/2017	0.00286	<0.00100	0.00123 J	<0.000630	0.00409
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000690 J	<0.000657	<0.000630	0.000690 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2020	0.00220	<0.000512	<0.000616	<0.000270	0.00220
	06/19/2020	0.000920 J	<0.000367	<0.000657	<0.000630	0.000920 J
MW-21	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00214	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00266	<0.000367	<0.000657	<0.000630	0.00266
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00373	0.00294	<0.000657	<0.000630	0.00667
	12/18/2018	0.00680	0.00280	<0.000616	0.00210	0.0117
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00117 J	<0.000367	<0.000657	<0.000630	0.00117 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00887	<0.00200	<0.00200	<0.00200	0.00887
	06/25/2021	<0.00200	0.000621 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	0.000496 J	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.00110 J	<0.000657	<0.000642	0.00110 J
	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-22	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.254	<0.000657	<0.000630	0.254
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/13/2019	0.00125	<0.000367	<0.000657	<0.000630	0.00125
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00166 J	<0.000367	<0.000657	<0.000630	0.001660 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00424	<0.00200	<0.00200	<0.00200	0.00424
	06/25/2021	<0.00200	0.000591 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	0.000417 J	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.000812 J	<0.000657	<0.000642	0.000812 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
MW-23	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00410	0.000710 J	<0.000657	<0.000630	0.00481
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0345	<0.000657	<0.000630	0.0345
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.00170	<0.000367	<0.000657	<0.00063	0.00170
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00177 J	<0.000367	0.000740 J	<0.000630	0.00251
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000415 J	0.000771 J	<0.00200	<0.00400	0.00119 J
MW-24	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-26	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000630 J	<0.000657	<0.000630	0.000630 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0172	<0.000657	<0.000630	0.0172
	12/18/2018	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.000430	<0.000367	<0.000657	<0.000630	0.000430
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J
	09/14/2020	0.000860 J	<0.000367	<0.000657	<0.000630	0.000860 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00306	<0.00200	<0.00200	<0.00200	0.00306
	06/24/2021	<0.00200	0.000801 J	<0.00200	<0.00400	0.000801 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
MW-27	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000560 J	<0.000367	<0.000657	<0.000630	0.000560 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0128	<0.000657	<0.000630	0.0128
	12/18/2018	0.00240	<0.000512	<0.000616	<0.000270	0.00240
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00713	<0.000657	<0.000630	0.00713
	12/13/2019	**0.0375**	<0.000367	0.000850	0.00225	0.0406
	03/19/2020	0.00650	<0.000512	<0.000616	0.000600 J	0.00710
	06/22/2020	0.00119 J	<0.000367	<0.000657	<0.000630	0.00119 J
	09/15/2020	0.00172 J	<0.000367	<0.000657	<0.000630	0.00172 J
	12/09/2020	0.00670	<0.002000	<0.002000	<0.0006300	0.006700
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/24/2021	<0.00200	0.000678 J	<0.00200	<0.00400	0.000678 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	0.000447 J	<0.000367	<0.000657	<0.000642	<0.000657

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-28	03/28/2016	**0.120**	<0.00024	<0.00024	<0.00024	-
	06/22/2016	**0.0468**	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00240	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/06/2017	0.00985	0.00126 J	<0.000657	0.00149 J	0.0126
	09/21/2017	**0.0167**	<0.00100	<0.000657	<0.000630	0.0167
	12/21/2017	**0.0686**	0.000410 J	<0.000657	<0.000630	0.0690
	03/28/2018	**0.0118**	0.000800 J	<0.000657	<0.000630	0.0126
	06/14/2018	0.00260	<0.000512	<0.000616	<0.000270	0.00260
	09/26/2018	<0.000408	0.00642	<0.000657	<0.000630	0.00642
	12/18/2018	0.00310	<0.000512	<0.000616	<0.000270	0.00310
	03/26/2019	0.00464	<0.000500	<0.000500	<0.000500	0.00464
	06/26/2019	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	**0.0163**	<0.000367	<0.000657	<0.000630	0.0163
	03/18/2020	**0.0567**	<0.000512	0.00130	0.00200	0.0600
	06/19/2020	0.00312	<0.000367	<0.000657	<0.000630	0.00312
	09/15/2020	0.00365	<0.000367	<0.000657	<0.000630	0.00365
	12/08/2020	<0.002000	0.000670 J	<0.002000	<0.0006300	0.0006700 J
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
MW-29	03/28/2016	**20.0**	<0.0119	<0.0119	<0.0122	-
	06/22/2016	**6.81**	<0.0310	<0.0382	<0.0128	-
	09/28/2016	**4.77**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**6.92**	<0.0200	<0.0131	0.0530	-
	03/21/2017	**0.245**	<0.000367	<0.000657	<0.000630	0.245
	06/06/2017	**37.9**	<0.100	<0.0657	<0.0642	37.9
	09/21/2017	**17.2 D**	<0.00100	0.00775	0.000890 J	17.2
	12/21/2017	**9.54 D**	<0.000367	0.00418	0.000660 J	9.54
	03/28/2018	**4.20**	<0.00734	<0.0131	<0.0126	4.20
	06/14/2018	**7.62**	<0.0256	<0.0308	<0.0135	7.62
	10/04/2018	**1.49 D**	<0.000367	<0.000657	0.00781	1.50
	12/18/2018	**0.0398**	<0.000512	0.000800 J	<0.000270	0.0406
	03/26/2019	0.000570	<0.000500	<0.000500	<0.000500	0.000570
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	0.000400	<0.000657	<0.000630	0.000400
	03/19/2020	**0.0121**	<0.000512	<0.000616	0.000800 J	0.012900
	06/22/2020	**0.0527**	<0.000367	0.00181 J	0.00138 J	0.0559
	09/15/2020	**0.175**	<0.000367	0.00501	0.00417	0.184
	12/09/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	09/30/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/16/2022	0.000521 J	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	0.000454 J	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-34	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	0.00400	0.00160	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	0.00239	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	0.00163 J	<0.00100	0.000770 J	0.000680 J	0.00308
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000790 J	<0.000367	<0.000657	<0.000630	0.000790 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00204	0.00392	<0.000657	<0.000630	0.00596
	12/18/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J
	03/27/2019	0.00302	0.00302	<0.000500	<0.000500	0.00604
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00390	<0.000367	<0.000657	<0.000630	0.00390
	03/20/2020	0.00470	<0.000512	<0.000616	<0.000270	0.00470
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0341**	<0.000367	0.00155 J	<0.000630	0.0357
	12/07/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	<0.00200	0.00112 J	<0.00200	<0.00400	0.00112 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000379 J	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
MW-35	03/28/2016	0.00920	0.00510	0.00290	0.00270	-
	06/21/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00427	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	0.000740 J	<0.000367	<0.000657	<0.000630	0.000740 J
	03/28/2018	0.00175 J	<0.000367	<0.000657	<0.000630	0.00175 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	0.000700 J	<0.000512	<0.000616	<0.000270	0.000700 J
	03/28/2019	0.000960	0.000680	<0.000500	<0.000500	0.00164
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00205	<0.000367	<0.000657	<0.000630	0.00205
	03/20/2020	0.00330	<0.000512	<0.000616	<0.000270	0.00330
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0168**	<0.000367	0.00189 J	<0.000630	0.0187
	12/07/2020	0.000930 J	<0.002000	<0.002000	<0.0006300	0.0009300 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000536 J	0.00169 J	<0.00200	<0.00400	0.00223 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000500 J	<0.000657	<0.000642	<0.000657
	09/07/2022	0.00184 J	<0.000367	<0.000657	<0.000642	0.00184 J
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-36	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00416	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00234	0.000590 J	<0.000657	<0.000630	0.00293
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.00199 J	<0.000657	<0.000630	0.00199 J
	12/18/2018	0.00140	<0.000512	<0.000616	<0.000270	0.00140
	03/28/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00269	<0.000367	<0.000657	<0.000630	0.00269
	03/20/2020	0.00430	<0.000512	<0.000616	<0.000270	0.00430
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0104**	<0.000367	<0.000657	<0.000630	0.0104
	12/08/2020	0.00164 J	<0.002000	<0.002000	<0.0006300	0.001640 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000795 J	0.0034	<0.00200	0.000920 J	0.00512
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000572 J	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
MW-37	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	**0.889**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**0.602**	<0.0200	<0.0131	<0.0128	-
	03/21/2017	**0.0170**	<0.000367	<0.000657	<0.000630	0.0170
	06/06/2017	**2.21**	<0.0500	<0.0329	<0.0321	2.21
	09/21/2017	**1.04 D**	<0.00100	<0.000657	<0.000630	1.04
	12/21/2017	**0.0774**	<0.000367	<0.000657	<0.000630	0.0774
	03/28/2018	**0.0467**	<0.000367	<0.000657	<0.000630	0.0467
	06/14/2018	**0.355**	<0.000512	<0.000616	<0.000270	0.355
	09/26/2018	0.00674	<0.000367	<0.000657	<0.000630	0.00674
	12/18/2018	0.000600 J	<0.000512	<0.000616	<0.000270	0.000600 J
	03/26/2019	**0.0161**	<0.000500	<0.000500	<0.00050	0.0161
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	0.00670	<0.000367	<0.000657	<0.000630	0.00670
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/18/2020	**0.0856**	<0.000512	0.00160	0.00240	0.0896
	06/22/2020	0.00165 J	<0.000367	<0.000657	<0.000630	0.00165 J
	09/15/2020	0.00170 J	<0.000367	<0.000657	<0.000630	0.00170 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.00106 J	<0.000657	<0.000642	0.00106 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-38	03/28/2016	**6.55**	<0.0119	<0.0119	0.104	-
	06/22/2016	**4.07**	<0.0310	<0.0382	0.0427 J	-
	09/28/2016	**2.83**	<0.0658	0.126	0.417	-
	12/13/2016	**5.91**	<0.0200	0.0450	0.0417	-
	03/21/2017	**12.6**	<0.0184	<0.0329	<0.0315	12.6
	06/06/2017	**0.216**	<0.00100	0.000890 J	0.00174 J	0.219
	09/21/2017	**14 D**	<0.00100	0.0118	0.00155 J	14.0
	12/21/2017	**13.4 D**	<0.000367	0.00794	0.00184 J	13.4
	03/28/2018	**7.58 D**	<0.000367	<0.000657	<0.000630	7.58
	06/14/2018	**12.6**	<0.0256	<0.0308	<0.0135	12.6
	09/26/2018	**10.7 D**	0.00427	0.0106	0.00298	10.7
	12/18/2018	**3.72**	<0.0102	<0.0123	<0.00540	3.72
	03/26/2019	**8.06**	<0.0100	<0.0100	<0.0100	8.06
	06/25/2019	**2.70**	<0.00512	<0.00616	<0.00270	2.70
	09/16/2019	**6.19**	<0.000367	0.00669	<0.000630	6.20
	12/13/2019	**0.682**	0.000530	0.000970	<0.000630	0.684
	03/18/2020	**0.333**	<0.00256	<0.00308	<0.00135	0.333
	06/22/2020	**0.358**	0.00105 J	0.00387	0.00372	0.367
	09/15/2020	**0.209**	<0.000367	0.00584	0.00562	0.220
	12/08/2020	**0.0309**	<0.002000	<0.002000	<0.0006300	0.03090
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000758 J	<0.00200	<0.00200	<0.00400	0.000758 J
	09/14/2021	<0.00200	<0.00200	0.00136 J	<0.00400	0.00136 J
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	0.00112 J	<0.000367	<0.000657	<0.000642	0.00112 J
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
MW-39	09/26/2018	**0.0473**	<0.000367	<0.000657	0.00142 J	0.0487
	12/18/2018	**0.358**	<0.000512	<0.000616	0.00540	0.363
	03/27/2019	0.00573	0.00472	<0.000500	0.000550	0.0110
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/15/2019	0.00663	<0.000367	<0.000657	<0.000630	0.006630
	03/19/2020	**0.0571**	<0.000512	<0.000616	0.00190	0.0590
	06/23/2020	**0.0495**	0.000720 J	<0.000657	<0.000630	0.0502
	09/16/2020	**0.233**	<0.000367	0.00147 J	0.00226	0.237
	12/08/2020	**1.20 D**	<0.002000	<0.002000	0.02106	1.221
	03/09/2021	**0.124**	<0.00200	<0.00200	<0.00200	0.124
	06/24/2021	**0.0584**	0.000661 J	<0.00200	<0.00400	0.0591
	09/13/2021	0.00611	<0.00200	<0.00200	<0.00400	0.00611
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.000812 J	<0.000657	<0.000642	0.000812 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/14/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/15/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-40	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	**0.104**	<0.000500	<0.000500	0.00177	0.106
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	**1.65**	<0.000367	0.00221	0.0394	1.69
	12/13/2019	**5.14**	0.00576	0.0156	0.0545	5.22
	03/18/2020	**10.1**	<0.0256	0.0500 J	0.100	10.3
	06/22/2020	**9.71 D**	0.00995	0.0575	0.0724	9.85
	09/15/2020	**16.6 D**	0.00513	0.0606	0.0656	16.7
	12/08/2020	**23.2 D**	0.0121	0.144	0.1842	23.54
	03/09/2021	**13.7 D**	0.00556	0.106	0.0618	13.9
	06/24/2021	**25.5**	<0.0400	0.109	<0.0800	26.0
	09/14/2021	**24.7 *1**	<0.200	0.394	<0.400	25.1
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	**0.106**	<0.0184	<0.0329	<0.0321	0.106 J
	09/08/2022	0.00210	<0.000367	<0.000657	<0.000642	0.00210 J
	12/16/2022	<0.00408	<0.00367	<0.00657	<0.00642	<0.00657
	03/16/2023	<0.00408	<0.00367	<0.00657 *1	<0.00642 *1	<0.00657
	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	0.00304	0.00109	<0.00100	0.000580	0.00471
	12/13/2023	0.00236	<0.00100	<0.00100	0.0110	0.0141
MW-41	09/26/2018	<0.000408	0.00564	<0.000657	<0.000630	0.00564
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/27/2019	**0.0101**	0.00732	0.000600	0.00306	0.0211
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00381	<0.000367	<0.000657	<0.000630	0.00381
	03/20/2020	0.00680	<0.000512	<0.000616	0.000600 J	0.00740
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	0.00943	<0.000367	<0.000657	<0.000630	0.00943
	12/07/2020	0.00394	<0.002000	<0.002000	<0.0006300	0.003940
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000541 J	0.00241	<0.00200	<0.00400	0.00295 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000742 J	<0.000657	<0.000642	0.000742 J
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/14/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/15/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500

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

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standard

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
8" Moore to Jal #1
Lea County, NM
SRS #: 2002-10270

Sample ID	Date Sampled	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC - Groundwater		-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.030	0.001	0.001
MW-15	03/28/2018	<0.0000408	<0.0000731	<0.0000757	<0.0000632	<0.0000955	<0.0000907	<0.0000796	<0.0000779	<0.0000880	<0.0000495	0.00111	<0.0000896	0.00122	<0.0000495	0.00293 J	**0.00141**	<0.0000920
MW-27	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.000108 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000042	<0.0000075	<0.0000078	<0.0000065	<0.0000099	<0.0000094	<0.0000082	<0.0000080	<0.0000091	<0.0000051	<0.0000055	<0.0000092	<0.0000056	<0.0000051	0.0000937	<0.0000057	<0.0000095
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.0001720	<0.0000839	-	<0.000174	<0.000111	<0.000101	<0.000107	<0.0000939	<0.000144
	03/09/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-28	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000918 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000757	<0.0000056	<0.0000093
	03/18/2020	<0.000108	<0.000091	<0.0000938	<0.000146	<0.0000618	<0.0000770	<0.000123	<0.000126	<0.000169	<0.0000823	-	<0.000170	<0.000109	<0.0000989	0.000207 J	<0.0000921	<0.000141
MW-29	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	0.00106	<0.000063	0.000884	<0.000053	**0.0342**	0.000957	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000474	<0.0000090	0.000495	<0.0000049	0.000505	0.000197	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000269	<0.0000090	0.000441	<0.0000049	0.000463	0.0000894	<0.0000092
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.000172	<0.0000840	-	<0.000174	0.000176 J	<0.000101	0.000223 J	<0.0000940	<0.000144
MW-34	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/27/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000332	<0.0000056	<0.0000093
	03/20/2020	<0.000123	<0.000104	<0.000107	<0.000166	<0.0000703	<0.0000875	<0.000139	<0.000143	<0.000192	<0.0000936	-	<0.000194	<0.000124	<0.000112	<0.000120	<0.000105	<0.000160
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-35	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000262	<0.0000055	<0.0000092
	03/20/2020	<0.000118	<0.0000997	<0.000103	<0.000159	<0.0000676	<0.0000842	<0.000134	<0.000138	<0.000185	<0.0000900	-	<0.000186	<0.000119	<0.000108	<0.000115	<0.000101	<0.000154
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-36	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000059	<0.000063	<0.000077	<0.000053	<0.000064	<0.000051	<0.000041
	03/28/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-37	03/28/2016	<0.000033	<0.000057	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.0000562	<0.0000090	0.0000424 J	<0.0000049	0.000376 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000771	<0.0000055	<0.0000092
	03/18/2020	<0.000112	<0.0000947	<0.0000974	<0.000151	<0.0000642	<0.0000800	<0.000127	<0.000131	<0.000176	<0.0000855	-	<0.000177	<0.000113	<0.000103	0.000225 J	<0.0000957	<0.000147
MW-38	03/28/2016	<0.000032	<0.000057	<0.000031	<0.000070	<0.000041	<0.000069	<0.000051	<0.000055	<0.000079	<0.000055	<0.000059	<0.000062	<0.000077	<0.000052	0.00650	<0.000050	<0.000040
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000187	<0.0000090	0.0000604	<0.0000049	0.000359 J	0.000116	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.00125	<0.0000090	0.000274	<0.0000049	0.00403	0.000547	<0.0000092
	03/18/2020	<0.000120	<0.000101	<0.000104	<0.000161	<0.0000684	<0.0000853	<0.000136	<0.000139	<0.000187	<0.0000912	-	<0.000189	<0.000121	<0.000110	0.000788	0.000120 J	<0.000156

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

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standard

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

MOORE TO JAL #1 (MTJ1)

JOB NUMBER

890-4325-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

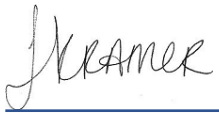
my EOL

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



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

Client: Talon/LPE
Project/Site: MOORE TO JAL #1 (MTJ1)

Laboratory Job ID: 890-4325-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Qualifiers

GC VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Job ID: 890-4325-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4325-1

Receipt

The samples were received on 3/15/2023 2:50 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 22.4°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: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Client Sample ID: MW-34
Lab Sample ID: 890-4325-1
Date Collected: 03/15/23 11:00
Matrix: Water
Date Received: 03/15/23 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 05:30	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 05:30	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 05:30	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 05:30	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 05:30	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*03/23/23 05:30*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/23/23 05:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/23/23 10:35	1

Client Sample ID: MW-35
Lab Sample ID: 890-4325-2
Date Collected: 03/15/23 11:47
Matrix: Water
Date Received: 03/15/23 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 05:51	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 05:51	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 05:51	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 05:51	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 05:51	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 05:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/23/23 05:51*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*		*03/23/23 05:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/23/23 10:35	1

Client Sample ID: MW-36
Lab Sample ID: 890-4325-3
Date Collected: 03/15/23 12:27
Matrix: Water
Date Received: 03/15/23 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 06:11	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 06:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 06:11	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 06:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 06:11	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 06:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/23/23 06:11*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*03/23/23 06:11*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Client Sample ID: MW-36
Lab Sample ID: 890-4325-3
Date Collected: 03/15/23 12:27
Matrix: Water
Date Received: 03/15/23 14:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/23/23 10:35	1

Client Sample ID: MW-41
Lab Sample ID: 890-4325-4
Date Collected: 03/15/23 12:48
Matrix: Water
Date Received: 03/15/23 14:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 06:32	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 06:32	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 06:32	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 06:32	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 06:32	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/23/23 06:32*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/23/23 06:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/23/23 10:35	1

Surrogate Summary

Client: Talon/LPE
Project/Site: MOORE TO JAL #1 (MTJ1)

Job ID: 890-4325-1

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)										
890-4282-A-1 MS	Matrix Spike	106	109										
890-4282-A-1 MSD	Matrix Spike Duplicate	109	113										
890-4325-1	MW-34	111	107										
890-4325-2	MW-35	109	109										
890-4325-3	MW-36	113	107										
890-4325-4	MW-41	115	108										
LCS 880-49161/34	Lab Control Sample	107	111										
LCSD 880-49161/35	Lab Control Sample Dup	104	111										
MB 880-48983/5-A	Method Blank	98	106										
MB 880-49161/39	Method Blank	99	104										

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Job ID: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48983/5-A
Matrix: Water
Analysis Batch: 49161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		03/20/23 11:32	03/22/23 12:11	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		03/20/23 11:32	03/22/23 12:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		03/20/23 11:32	03/22/23 12:11	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		03/20/23 11:32	03/22/23 12:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		03/20/23 11:32	03/22/23 12:11	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		03/20/23 11:32	03/22/23 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/20/23 11:32*	*03/22/23 12:11*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/20/23 11:32*	*03/22/23 12:11*	*1*

Lab Sample ID: MB 880-49161/39
Matrix: Water
Analysis Batch: 49161

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/22/23 23:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/22/23 23:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/22/23 23:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/22/23 23:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/22/23 23:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/22/23 23:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/22/23 23:47*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/22/23 23:47*	*1*

Lab Sample ID: LCS 880-49161/34
Matrix: Water
Analysis Batch: 49161

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1025		mg/L		103	70 - 130
Toluene	0.100	0.1034		mg/L		103	70 - 130
Ethylbenzene	0.100	0.08953		mg/L		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1763		mg/L		88	70 - 130
o-Xylene	0.100	0.08993		mg/L		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: LCSD 880-49161/35
Matrix: Water
Analysis Batch: 49161

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08915		mg/L		89	70 - 130	14	20

Eurofins Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: MOORE TO JAL #1 (MTJ1)

Job ID: 890-4325-1

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

Lab Sample ID: LCSD 880-49161/35
Matrix: Water
Analysis Batch: 49161

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09279		mg/L		93	70 - 130	11	20
Ethylbenzene			0.100	0.08298		mg/L		83	70 - 130	8	20
m-Xylene & p-Xylene			0.200	0.1634		mg/L		82	70 - 130	8	20
o-Xylene			0.100	0.08406		mg/L		84	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 890-4282-A-1 MS
Matrix: Water
Analysis Batch: 49161

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000408	U	0.100	0.1019		mg/L		102	70 - 130
Toluene	<0.000367	U	0.100	0.1045		mg/L		105	70 - 130
Ethylbenzene	<0.000657	U	0.100	0.08769		mg/L		88	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1707		mg/L		85	70 - 130
o-Xylene	<0.000642	U	0.100	0.08857		mg/L		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-4282-A-1 MSD
Matrix: Water
Analysis Batch: 49161

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.09906		mg/L		99	70 - 130	3	25
Toluene	<0.000367	U	0.100	0.1011		mg/L		101	70 - 130	3	25
Ethylbenzene	<0.000657	U	0.100	0.08632		mg/L		86	70 - 130	2	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1700		mg/L		85	70 - 130	0	25
o-Xylene	<0.000642	U	0.100	0.08807		mg/L		88	70 - 130	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: MOORE TO JAL #1 (MTJ1)

Job ID: 890-4325-1

GC VOA

Prep Batch: 48983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48983/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 49161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4325-1	MW-34	Total/NA	Water	8021B	
890-4325-2	MW-35	Total/NA	Water	8021B	
890-4325-3	MW-36	Total/NA	Water	8021B	
890-4325-4	MW-41	Total/NA	Water	8021B	
MB 880-48983/5-A	Method Blank	Total/NA	Water	8021B	48983
MB 880-49161/39	Method Blank	Total/NA	Water	8021B	
LCS 880-49161/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-49161/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4282-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-4282-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 49304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4325-1	MW-34	Total/NA	Water	Total BTEX	
890-4325-2	MW-35	Total/NA	Water	Total BTEX	
890-4325-3	MW-36	Total/NA	Water	Total BTEX	
890-4325-4	MW-41	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Client Sample ID: MW-34
Lab Sample ID: 890-4325-1
Date Collected: 03/15/23 11:00
Matrix: Water
Date Received: 03/15/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49161	03/23/23 05:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49304	03/23/23 10:35	AJ	EET MID

Client Sample ID: MW-35
Lab Sample ID: 890-4325-2
Date Collected: 03/15/23 11:47
Matrix: Water
Date Received: 03/15/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49161	03/23/23 05:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49304	03/23/23 10:35	AJ	EET MID

Client Sample ID: MW-36
Lab Sample ID: 890-4325-3
Date Collected: 03/15/23 12:27
Matrix: Water
Date Received: 03/15/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49161	03/23/23 06:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49304	03/23/23 10:35	AJ	EET MID

Client Sample ID: MW-41
Lab Sample ID: 890-4325-4
Date Collected: 03/15/23 12:48
Matrix: Water
Date Received: 03/15/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49161	03/23/23 06:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49304	03/23/23 10:35	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: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Job ID: 890-4325-1
Project/Site: MOORE TO JAL #1 (MTJ1)

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: MOORE TO JAL #1 (MTJ1)

Job ID: 890-4325-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4325-1	MW-34	Water	03/15/23 11:00	03/15/23 14:50
890-4325-2	MW-35	Water	03/15/23 11:47	03/15/23 14:50
890-4325-3	MW-36	Water	03/15/23 12:27	03/15/23 14:50
890-4325-4	MW-41	Water	03/15/23 12:48	03/15/23 14:50

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	Attn: Camille Bryant
Address:	408 Texas St.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10270
Phone:	575-441-4835	Email:	dadkins@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

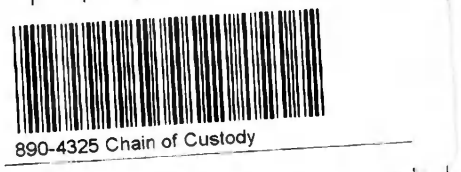
Project Name:	Moore to Jal #1 (MTJ1)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, N. Rose	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10270		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TM007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	22.6	
Total Containers:		Corrected Temperature:	22.7	

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-34	GW	3/15/23	11:00	N/A		3	X
MW-35	"	"	11:47	"		"	X
MW-36	"	"	12:27	"		"	X
MW-41	"	"	12:48	"		"	X



Sample Comments

Email Analyticals to:
CJBryant@paalp.com
Maochoa@paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Matthew Gomez	Clem Cruz	3.15.23 1450			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4325-1
SDG Number:

Login Number: 4325
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4325-1
SDG Number:

Login Number: 4325
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/17/23 11:20 AM

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 <6mm (1/4").	N/A	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/30/2023 1:13:01 PM

JOB DESCRIPTION

Moore to Jal #1 (MTJ1)

JOB NUMBER

890-4336-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

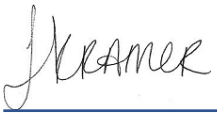
my EOL

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



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3/30/2023 1:13:01 PM

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

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Laboratory Job ID: 890-4336-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD 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

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

Case Narrative

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

Job ID: 890-4336-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4336-1

Receipt
The samples were received on 3/16/2023 2:49 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 11.0°C

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

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-39
Lab Sample ID: 890-4336-1
Date Collected: 03/16/23 10:17
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/27/23 20:30	1
Toluene	**0.000812**	**J**	0.00200	0.000367	mg/L			03/27/23 20:30	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/27/23 20:30	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/27/23 20:30	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/27/23 20:30	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/27/23 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/27/23 20:30*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*03/27/23 20:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000812**	**J**	0.00400	0.000657	mg/L			03/28/23 10:21	1

Client Sample ID: MW-21
Lab Sample ID: 890-4336-2
Date Collected: 03/16/23 10:40
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/27/23 20:50	1
Toluene	**0.00110**	**J**	0.00200	0.000367	mg/L			03/27/23 20:50	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/27/23 20:50	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/27/23 20:50	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/27/23 20:50	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/27/23 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*03/27/23 20:50*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*03/27/23 20:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00110**	**J**	0.00400	0.000657	mg/L			03/28/23 10:21	1

Client Sample ID: MW-37
Lab Sample ID: 890-4336-3
Date Collected: 03/16/23 11:10
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/27/23 21:10	1
Toluene	**0.00106**	**J**	0.00200	0.000367	mg/L			03/27/23 21:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/27/23 21:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/27/23 21:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/27/23 21:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/27/23 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/27/23 21:10*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/27/23 21:10*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-37
Lab Sample ID: 890-4336-3
Date Collected: 03/16/23 11:10
Matrix: Water
Date Received: 03/16/23 14:49

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00106**	**J**	0.00400	0.000657	mg/L			03/28/23 10:21	1

Client Sample ID: MW-22
Lab Sample ID: 890-4336-4
Date Collected: 03/16/23 11:20
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/27/23 21:31	1
Toluene	**0.000812**	**J**	0.00200	0.000367	mg/L			03/27/23 21:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/27/23 21:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/27/23 21:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/27/23 21:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/27/23 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/27/23 21:31*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/27/23 21:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000812**	**J**	0.00400	0.000657	mg/L			03/28/23 10:21	1

Client Sample ID: MW-38
Lab Sample ID: 890-4336-5
Date Collected: 03/16/23 11:53
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/29/23 22:56	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/29/23 22:56	1
Ethylbenzene	<0.000657	U *1	0.00200	0.000657	mg/L			03/29/23 22:56	1
m-Xylene & p-Xylene	<0.000629	U *1	0.00400	0.000629	mg/L			03/29/23 22:56	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			03/29/23 22:56	1
Xylenes, Total	<0.000642	U *1	0.00400	0.000642	mg/L			03/29/23 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*03/29/23 22:56*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*		*03/29/23 22:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Client Sample ID: MW-40
Lab Sample ID: 890-4336-6
Date Collected: 03/16/23 12:00
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00408	U	0.0200	0.00408	mg/L			03/30/23 01:19	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			03/30/23 01:19	10

Client Sample Results

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-40
Lab Sample ID: 890-4336-6
Date Collected: 03/16/23 12:00
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00657	U *1	0.0200	0.00657	mg/L			03/30/23 01:19	10
m-Xylene & p-Xylene	<0.00629	U *1	0.0400	0.00629	mg/L			03/30/23 01:19	10
o-Xylene	<0.00642	U *+ *1	0.0200	0.00642	mg/L			03/30/23 01:19	10
Xylenes, Total	<0.00642	U *1	0.0400	0.00642	mg/L			03/30/23 01:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/30/23 01:19*	*10*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/30/23 01:19*	*10*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00657	U	0.0400	0.00657	mg/L			03/30/23 13:19	1

Client Sample ID: MW-29
Lab Sample ID: 890-4336-7
Date Collected: 03/16/23 13:05
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000454**	**J**	0.00200	0.000408	mg/L			03/29/23 23:16	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/29/23 23:16	1
Ethylbenzene	<0.000657	U *1	0.00200	0.000657	mg/L			03/29/23 23:16	1
m-Xylene & p-Xylene	<0.000629	U *1	0.00400	0.000629	mg/L			03/29/23 23:16	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			03/29/23 23:16	1
Xylenes, Total	<0.000642	U *1	0.00400	0.000642	mg/L			03/29/23 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/29/23 23:16*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*03/29/23 23:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Client Sample ID: MW-26
Lab Sample ID: 890-4336-8
Date Collected: 03/16/23 13:30
Matrix: Water
Date Received: 03/16/23 14:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/29/23 23:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/29/23 23:36	1
Ethylbenzene	<0.000657	U *1	0.00200	0.000657	mg/L			03/29/23 23:36	1
m-Xylene & p-Xylene	<0.000629	U *1	0.00400	0.000629	mg/L			03/29/23 23:36	1
o-Xylene	<0.000642	U *+ *1	0.00200	0.000642	mg/L			03/29/23 23:36	1
Xylenes, Total	<0.000642	U *1	0.00400	0.000642	mg/L			03/29/23 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*03/29/23 23:36*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*		*03/29/23 23:36*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-26
Lab Sample ID: 890-4336-8
Date Collected: 03/16/23 13:30
Matrix: Water
Date Received: 03/16/23 14:49

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

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)										
890-4336-1	MW-39	98	105										
890-4336-2	MW-21	97	99										
890-4336-3	MW-37	99	103										
890-4336-4	MW-22	100	102										
890-4336-5	MW-38	95	82										
890-4336-5 MS	MW-38	114	107										
890-4336-5 MSD	MW-38	117	109										
890-4336-6	MW-40	109	102										
890-4336-7	MW-29	88	87										
890-4336-8	MW-26	98	83										
890-4377-C-1 MS	Matrix Spike	98	110										
890-4377-C-1 MSD	Matrix Spike Duplicate	96	110										
LCS 880-49607/3	Lab Control Sample	93	106										
LCS 880-49785/34	Lab Control Sample	121	105										
LCSD 880-49607/4	Lab Control Sample Dup	96	110										
LCSD 880-49785/35	Lab Control Sample Dup	110	105										
MB 880-49607/8	Method Blank	88	98										
MB 880-49613/5-A	Method Blank	74	82										
MB 880-49785/39	Method Blank	78	76										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49607/8
Matrix: Water
Analysis Batch: 49607

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/27/23 13:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/27/23 13:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/27/23 13:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/27/23 13:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/27/23 13:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/27/23 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*03/27/23 13:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*03/27/23 13:45*	*1*

Lab Sample ID: LCS 880-49607/3
Matrix: Water
Analysis Batch: 49607

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08731		mg/L		87	70 - 130		
Toluene			0.100	0.08695		mg/L		87	70 - 130		
Ethylbenzene			0.100	0.07958		mg/L		80	70 - 130		
m-Xylene & p-Xylene			0.200	0.1579		mg/L		79	70 - 130		
o-Xylene			0.100	0.08011		mg/L		80	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-49607/4
Matrix: Water
Analysis Batch: 49607

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09687		mg/L		97	70 - 130	10	20
Toluene			0.100	0.09561		mg/L		96	70 - 130	9	20
Ethylbenzene			0.100	0.08716		mg/L		87	70 - 130	9	20
m-Xylene & p-Xylene			0.200	0.1726		mg/L		86	70 - 130	9	20
o-Xylene			0.100	0.08744		mg/L		87	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-4377-C-1 MS
Matrix: Water
Analysis Batch: 49607

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000408	U	0.100	0.09483		mg/L		95	70 - 130		
Toluene	0.000729	J	0.100	0.09395		mg/L		93	70 - 130		

QC Sample Results

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

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

Lab Sample ID: 890-4377-C-1 MS
Matrix: Water
Analysis Batch: 49607

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000657	U	0.100	0.08622		mg/L		86	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1712		mg/L		86	70 - 130
o-Xylene	<0.000642	U	0.100	0.08685		mg/L		87	70 - 130

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

Lab Sample ID: 890-4377-C-1 MSD
Matrix: Water
Analysis Batch: 49607

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.09672		mg/L		97	70 - 130	2	25
Toluene	0.000729	J	0.100	0.09263		mg/L		92	70 - 130	1	25
Ethylbenzene	<0.000657	U	0.100	0.08705		mg/L		87	70 - 130	1	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1721		mg/L		86	70 - 130	0	25
o-Xylene	<0.000642	U	0.100	0.08701		mg/L		87	70 - 130	0	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-49613/5-A
Matrix: Water
Analysis Batch: 49785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 49613

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

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

Lab Sample ID: MB 880-49785/39
Matrix: Water
Analysis Batch: 49785

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

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

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

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

Lab Sample ID: MB 880-49785/39
Matrix: Water
Analysis Batch: 49785

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/29/23 22:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/29/23 22:34	1

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

Lab Sample ID: LCS 880-49785/34
Matrix: Water
Analysis Batch: 49785

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

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

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

Lab Sample ID: LCSD 880-49785/35
Matrix: Water
Analysis Batch: 49785

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08984		mg/L		90	70 - 130	16	20
Toluene			0.100	0.09257		mg/L		93	70 - 130	16	20
Ethylbenzene			0.100	0.09019	*1	mg/L		90	70 - 130	25	20
m-Xylene & p-Xylene			0.200	0.1909	*1	mg/L		95	70 - 130	27	20
o-Xylene			0.100	0.1000	*1	mg/L		100	70 - 130	28	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-4336-5 MS
Matrix: Water
Analysis Batch: 49785

Client Sample ID: MW-38
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000408	U	0.100	0.1039		mg/L		104	70 - 130		
Toluene	<0.000367	U	0.100	0.1040		mg/L		104	70 - 130		
Ethylbenzene	<0.000657	U *1	0.100	0.1062		mg/L		106	70 - 130		
m-Xylene & p-Xylene	<0.000629	U *1	0.200	0.2205		mg/L		110	70 - 130		
o-Xylene	<0.000642	U *+ *1	0.100	0.1142		mg/L		114	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

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

Lab Sample ID: 890-4336-5 MS
Matrix: Water
Analysis Batch: 49785

Client Sample ID: MW-38
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-4336-5 MSD
Matrix: Water
Analysis Batch: 49785

Client Sample ID: MW-38
Prep Type: Total/NA

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

GC VOA

Analysis Batch: 49607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4336-1	MW-39	Total/NA	Water	8021B	
890-4336-2	MW-21	Total/NA	Water	8021B	
890-4336-3	MW-37	Total/NA	Water	8021B	
890-4336-4	MW-22	Total/NA	Water	8021B	
MB 880-49607/8	Method Blank	Total/NA	Water	8021B	
LCS 880-49607/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-49607/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4377-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-4377-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Prep Batch: 49613

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

Analysis Batch: 49720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4336-1	MW-39	Total/NA	Water	Total BTEX	
890-4336-2	MW-21	Total/NA	Water	Total BTEX	
890-4336-3	MW-37	Total/NA	Water	Total BTEX	
890-4336-4	MW-22	Total/NA	Water	Total BTEX	
890-4336-5	MW-38	Total/NA	Water	Total BTEX	
890-4336-6	MW-40	Total/NA	Water	Total BTEX	
890-4336-7	MW-29	Total/NA	Water	Total BTEX	
890-4336-8	MW-26	Total/NA	Water	Total BTEX	

Analysis Batch: 49785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4336-5	MW-38	Total/NA	Water	8021B	
890-4336-6	MW-40	Total/NA	Water	8021B	
890-4336-7	MW-29	Total/NA	Water	8021B	
890-4336-8	MW-26	Total/NA	Water	8021B	
MB 880-49613/5-A	Method Blank	Total/NA	Water	8021B	49613
MB 880-49785/39	Method Blank	Total/NA	Water	8021B	
LCS 880-49785/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-49785/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4336-5 MS	MW-38	Total/NA	Water	8021B	
890-4336-5 MSD	MW-38	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-39
Lab Sample ID: 890-4336-1
Date Collected: 03/16/23 10:17
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49607	03/27/23 20:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/28/23 10:21	SM	EET MID

Client Sample ID: MW-21
Lab Sample ID: 890-4336-2
Date Collected: 03/16/23 10:40
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49607	03/27/23 20:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/28/23 10:21	SM	EET MID

Client Sample ID: MW-37
Lab Sample ID: 890-4336-3
Date Collected: 03/16/23 11:10
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49607	03/27/23 21:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/28/23 10:21	SM	EET MID

Client Sample ID: MW-22
Lab Sample ID: 890-4336-4
Date Collected: 03/16/23 11:20
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49607	03/27/23 21:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/28/23 10:21	SM	EET MID

Client Sample ID: MW-38
Lab Sample ID: 890-4336-5
Date Collected: 03/16/23 11:53
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49785	03/29/23 22:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/30/23 13:19	SM	EET MID

Client Sample ID: MW-40
Lab Sample ID: 890-4336-6
Date Collected: 03/16/23 12:00
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	49785	03/30/23 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/30/23 13:19	SM	EET MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-29
Lab Sample ID: 890-4336-7
Date Collected: 03/16/23 13:05
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49785	03/29/23 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/30/23 13:19	SM	EET MID

Client Sample ID: MW-26
Lab Sample ID: 890-4336-8
Date Collected: 03/16/23 13:30
Matrix: Water
Date Received: 03/16/23 14:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	49785	03/29/23 23:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49720	03/30/23 13:19	SM	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Job ID: 890-4336-1
Project/Site: Moore to Jal #1 (MTJ1)

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-4336-1

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: 890-4336-1

Project/Site: Moore to Jal #1 (MTJ1)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4336-1	MW-39	Water	03/16/23 10:17	03/16/23 14:49
890-4336-2	MW-21	Water	03/16/23 10:40	03/16/23 14:49
890-4336-3	MW-37	Water	03/16/23 11:10	03/16/23 14:49
890-4336-4	MW-22	Water	03/16/23 11:20	03/16/23 14:49
890-4336-5	MW-38	Water	03/16/23 11:53	03/16/23 14:49
890-4336-6	MW-40	Water	03/16/23 12:00	03/16/23 14:49
890-4336-7	MW-29	Water	03/16/23 13:05	03/16/23 14:49
890-4336-8	MW-26	Water	03/16/23 13:30	03/16/23 14:49

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	Attn: Camille Bryant
Address:	408 Texas St.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10270
Phone:	575-441-4835	Email:	dadkins@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal #1 (MTJ1)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, N. Rose	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10270		

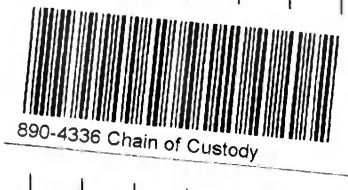
SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	NM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	11.2
Total Containers:		Corrected Temperature:	11.0

ANALYSIS REQUEST

Pres. Code

Parameters

BTEX 8021B



Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW - 39	GW	3/16/23	10:17	N/A		3	X
MW - 21			10:40				
MW - 37			11:10				
MW - 22			11:20				
MW - 38			11:53				
MW - 40			12:00				
MW - 29			1:05				
MW - 26			1:30				

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
Maochoa@paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.16.23 15	2		
3		1449			
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-4336-1

Login Number: 4336 **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	

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-4336-1

Login Number: 4336 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 03/20/23 08:29 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 <6mm (1/4").	True	

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, TX 79701
432-686-7235

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Certification Current

Project: Moore to Jal #2 (MTJ2)

Project Number: SRS#2002-10273

Location: LEA COUNTY

Lab Order Number: 3F16005

Report Date: 07/12/23

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-34	3F16005-01	Water	06/15/23 10:08	06-16-2023 13:23
MW-35	3F16005-02	Water	06/15/23 12:00	06-16-2023 13:23
MW-36	3F16005-03	Water	06/15/23 12:24	06-16-2023 13:23
MW-41	3F16005-04	Water	06/15/23 10:51	06-16-2023 13:23
MW-39	3F16005-05	Water	06/15/23 09:59	06-16-2023 13:23
MW-38	3F16005-06	Water	06/15/23 10:55	06-16-2023 13:23
MW-29	3F16005-07	Water	06/15/23 09:11	06-16-2023 13:23
MW-37	3F16005-08	Water	06/15/23 09:25	06-16-2023 13:23
MW-26	3F16005-09	Water	06/15/23 08:36	06-16-2023 13:23
MW-22	3F16005-10	Water	06/15/23 08:10	06-16-2023 13:23
MW-21	3F16005-11	Water	06/16/23 07:50	06-16-2023 13:23
MW-40	3F16005-12	Water	06/16/23 08:17	06-16-2023 13:23
MW-24	3F16005-13	Water	06/16/23 08:52	06-16-2023 13:23

Due to a catastropic failure of our BTEX autosampler BTEX analysis were subcontracted to ALS Global in Holland , Michigan. Their report is attached after the Chain of Custody.

This revised report refects the correct units for report. Results are in PPB rather than PPM

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

Volatile Organic Compounds by EPA Method 8260B

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-34 (3F16005-01) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-35 (3F16005-02) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-36 (3F16005-03) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-41 (3F16005-04) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

Volatile Organic Compounds by EPA Method 8260B

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-39 (3F16005-05) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-38 (3F16005-06) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-29 (3F16005-07) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-37 (3F16005-08) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

Volatile Organic Compounds by EPA Method 8260B

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-26 (3F16005-09) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-22 (3F16005-10) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-21 (3F16005-11) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17
MW-40 (3F16005-12) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/28/23	06/28/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

Volatile Organic Compounds by EPA Method 8260B

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-24 (3F16005-13) Water										
Benzene	<1.00		1.00	ug/l	1	P3G1105	06/24/23	06/24/23	EPA 8260B	SUB-17
Ethylbenzene	<1.00		1.00	"	"	"	"	"	"	SUB-17
m,p-Xylene	<2.00		2.00	"	"	"	"	"	"	SUB-17
o-Xylene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Toluene	<1.00		1.00	"	"	"	"	"	"	SUB-17
Xylenes (total)	<3.00		3.00	"	"	"	"	"	"	SUB-17

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

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

Analyst:

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

Notes and Definitions

SUB-17	Subcontracted to ALS Global in Holland,MI
ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
MQL	Method Quantitation Limit
SQL	Sample Quantitation Limit
UMQL	Unadjusted MQL = MQL / Dilution
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/12/2023

Brent Barron, Laboratory Director/Corp. Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: DAVID ADKINS
Company Name: TALON / LPE
Company Address: 408 TEXAS STREET
City/State/Zip: ARTESIA, NM 88210
Telephone No: 575-441-4835 **Fax No:** N/A
Sampler Signature: D.WINCHEL
e-mail: dadkins@talonlpe.com

Project Name: MOORE TO JAL #1
Project #: PLAINS ALL AMERICAN PIPELIN
Project Loc: LEA COUNTY
~~PO #:~~ SRS# 2002-10270
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only) **ORDER #:** 8F16005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW 34	N/A	N/A	6-15-23	10:08		3	X		X						GW			X		X
2	MW 35				12:00		3	X		X									X		X
3	MW 36				12:24		3	X		X									X		X
4	MW 41				10:51		3	X		X									X		X
5	MW 39				09:59		3	X		X									X		X
6	MW 38				10:55		3	X		X									X		X
7	MW 29				09:11		3	X		X									X		X
8	MW 37				09:25		3	X		X									X		X
9	MW 26				08:36		3	X		X									X		X
10	MW 22	N/A	N/A	6-15-23	08:10		3	X		X						GW			X		X

Special Instructions: EMAIL ANALYTICALS TO: CAMELLE BRYANT - cjbryant@paalp.com
KAROLANNE HUDGENS - khudgens@paalp.com ANNIE OCHOA - maochoa@paalp.com

Relinquished by:	Date	Time	Received by:	Date	Time
	6.16.23				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				06/16/23	13:01

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 6.0 °C Thermometer: CF0
Adjusted: °C Factor:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: DAVID ADKINS
Company Name: TALON LPE
Company Address: 408 TEXAS STREET
City/State/Zip: ARTESIA, NM 88210
Telephone No: 575-441-4835 **Fax No:** N/A
Sampler Signature: D.WINCHELL
e-mail: dadkins@talonlpe.com

Project Name: MOORE TO JAL #1
Project #: PLAINS ALL AMERICAN PIPELINE
Project Loc: LEA COUNTY
~~PO#~~: SRS# 2002-10270
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3F16005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
11	MW 21	N/A	N/A	6-16-23	07:50		3	X		X						GW			X		X
12	MW 40	N/A	N/A	6-16-23	08:17		3	X		X						GW			X		X
13	MW 24	N/A	N/A	6-16-23	08:52		3	X		X						GW			X		X

TCLP:
TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	6-16-23				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				6/16/23	13:0

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C Thermometer:
Adjusted: °C Factor:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021 BTEX TOTAL CALC.	HOLD	72 HOUR	STANDARD
	3F16005-01			6/15/2023	10:08		3	X		X						W	X		X	
	3F16005-02			6/15/2023	12:00		3	X		X						W	X		X	
	3F16005-03			6/15/2023	12:24		3	X		X						W	X		X	
	3F16005-04			6/15/2023	10:51		3	X		X						W	X		X	
	3F16005-05			6/15/2023	9:59		3	X		X						W	X		X	
	3F16005-06			6/15/2023	10:55		3	X		X						W	X		X	
	3F16005-07			6/15/2023	9:11		3	X		X						W	X		X	

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021 BTEX TOTAL CALC.	HOLD	72 HOUR	STANDARD
	3F16005-08			6/15/2023	10:08		3	X		X						W	X		X	
	3F16005-09			6/15/2023	9:25		3	X		X						W	X		X	
	3F16005-10			6/15/2023	8:10		3	X		X						W	X		X	
	3F16005-11			6/15/2023	7:50		3	X		X						W	X		X	
	3F16005-12			6/15/2023	8:17		3	X		X						W	X		X	
	3F16005-13			6/15/2023	8:52		3	X		X						W	X		X	

SPECIAL INSTRUCTIONS:

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

05-Jul-2023

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

Re: **3F16005** Work Order: **23062127**

Dear Brent,

ALS Environmental received 13 samples on 23-Jun-2023 10:00 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 24.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Chelsey Cook

Electronically approved by: Chelsey Cook

Chelsey Cook
Project Manager

Report of Laboratory Analysis

Certificate No: TX: T104704494-23-14

ALS Group, USA

Date: 05-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Work Order: **23062127**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
23062127-01	3F16005-01	Water		6/15/2023 10:08	6/23/2023 10:00	☐
23062127-02	3F16005-02	Water		6/15/2023 12:00	6/23/2023 10:00	☐
23062127-03	3F16005-03	Water		6/15/2023 12:24	6/23/2023 10:00	☐
23062127-04	3F16005-04	Water		6/15/2023 10:51	6/23/2023 10:00	☐
23062127-05	3F16005-05	Water		6/15/2023 09:59	6/23/2023 10:00	☐
23062127-06	3F16005-06	Water		6/15/2023 10:55	6/23/2023 10:00	☐
23062127-07	3F16005-07	Water		6/15/2023 09:11	6/23/2023 10:00	☐
23062127-08	3F16005-08	Water		6/15/2023 10:08	6/23/2023 10:00	☐
23062127-09	3F16006-09	Water		6/15/2023 09:25	6/23/2023 10:00	☐
23062127-10	3F16005-10	Water		6/15/2023 08:10	6/23/2023 10:00	☐
23062127-11	3F16005-11	Water		6/15/2023 07:50	6/23/2023 10:00	☐
23062127-12	3F16005-12	Water		6/15/2023 08:17	6/23/2023 10:00	☐
23062127-13	3F16005-13	Water		6/15/2023 08:52	6/23/2023 10:00	☐

ALS Group, USA

Date: 05-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
WorkOrder: **23062127**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

Units Reported	Description
µg/L	Micrograms per Liter

ALS Group, USA

Date: 05-Jul-23

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Work Order: 23062127

Case Narrative

Samples for the above noted Work Order were received on 06/23/2023. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Volatile Organics:
No deviations or anomalies were noted.Batch R375374a, Volatile Organic Compounds, Sample 23062127-12A: 1
Batch R375374a, Volatile Organic Compounds, Sample 23062127-12A: 1

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-01
Collection Date: 6/15/2023 10:08 AM

Work Order: 23062127
Lab ID: 23062127-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 19:09
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 19:09
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 19:09
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 19:09
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 19:09
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 19:09
Surr: 1,2-Dichloroethane-d4	*104*			*80-120*	*%REC*	1	6/24/2023 19:09
Surr: 4-Bromofluorobenzene	*95.8*			*80-120*	*%REC*	1	6/24/2023 19:09
Surr: Dibromofluoromethane	*97.4*			*80-120*	*%REC*	1	6/24/2023 19:09
Surr: Toluene-d8	*104*			*80-120*	*%REC*	1	6/24/2023 19:09

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-02
Collection Date: 6/15/2023 12:00 PM

Work Order: 23062127
Lab ID: 23062127-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 19:32
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 19:32
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 19:32
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 19:32
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 19:32
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 19:32
Surr: 1,2-Dichloroethane-d4	*105*			*80-120*	*%REC*	1	6/24/2023 19:32
Surr: 4-Bromofluorobenzene	*99.4*			*80-120*	*%REC*	1	6/24/2023 19:32
Surr: Dibromofluoromethane	*97.9*			*80-120*	*%REC*	1	6/24/2023 19:32
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	6/24/2023 19:32

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-03
Collection Date: 6/15/2023 12:24 PM

Work Order: 23062127
Lab ID: 23062127-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 19:56
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 19:56
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 19:56
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 19:56
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 19:56
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 19:56
Surr: 1,2-Dichloroethane-d4	*101*			*80-120*	*%REC*	1	6/24/2023 19:56
Surr: 4-Bromofluorobenzene	*93.2*			*80-120*	*%REC*	1	6/24/2023 19:56
Surr: Dibromofluoromethane	*96.8*			*80-120*	*%REC*	1	6/24/2023 19:56
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	6/24/2023 19:56

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-04
Collection Date: 6/15/2023 10:51 AM

Work Order: 23062127
Lab ID: 23062127-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 20:20
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 20:20
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 20:20
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 20:20
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 20:20
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 20:20
Surr: 1,2-Dichloroethane-d4	*91.9*			*80-120*	*%REC*	1	6/24/2023 20:20
Surr: 4-Bromofluorobenzene	*92.1*			*80-120*	*%REC*	1	6/24/2023 20:20
Surr: Dibromofluoromethane	*83.0*			*80-120*	*%REC*	1	6/24/2023 20:20
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	6/24/2023 20:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-05
Collection Date: 6/15/2023 09:59 AM

Work Order: 23062127
Lab ID: 23062127-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 20:44
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 20:44
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 20:44
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 20:44
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 20:44
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 20:44
Surr: 1,2-Dichloroethane-d4	*126*	S		*80-120*	*%REC*	1	6/24/2023 20:44
Surr: 4-Bromofluorobenzene	*100*			*80-120*	*%REC*	1	6/24/2023 20:44
Surr: Dibromofluoromethane	*119*			*80-120*	*%REC*	1	6/24/2023 20:44
Surr: Toluene-d8	*107*			*80-120*	*%REC*	1	6/24/2023 20:44

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-06
Collection Date: 6/15/2023 10:55 AM

Work Order: 23062127
Lab ID: 23062127-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 21:08
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 21:08
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 21:08
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 21:08
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 21:08
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 21:08
Surr: 1,2-Dichloroethane-d4	*126*	S		*80-120*	*%REC*	1	6/24/2023 21:08
Surr: 4-Bromofluorobenzene	*113*			*80-120*	*%REC*	1	6/24/2023 21:08
Surr: Dibromofluoromethane	*115*			*80-120*	*%REC*	1	6/24/2023 21:08
Surr: Toluene-d8	*98.4*			*80-120*	*%REC*	1	6/24/2023 21:08

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-07
Collection Date: 6/15/2023 09:11 AM

Work Order: 23062127
Lab ID: 23062127-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 21:31
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 21:31
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 21:31
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 21:31
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 21:31
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 21:31
Surr: 1,2-Dichloroethane-d4	*105*			*80-120*	*%REC*	1	6/24/2023 21:31
Surr: 4-Bromofluorobenzene	*99.7*			*80-120*	*%REC*	1	6/24/2023 21:31
Surr: Dibromofluoromethane	*95.7*			*80-120*	*%REC*	1	6/24/2023 21:31
Surr: Toluene-d8	*107*			*80-120*	*%REC*	1	6/24/2023 21:31

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-08
Collection Date: 6/15/2023 10:08 AM

Work Order: 23062127
Lab ID: 23062127-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 21:55
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 21:55
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 21:55
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 21:55
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 21:55
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 21:55
Surr: 1,2-Dichloroethane-d4	*107*			*80-120*	*%REC*	1	6/24/2023 21:55
Surr: 4-Bromofluorobenzene	*94.2*			*80-120*	*%REC*	1	6/24/2023 21:55
Surr: Dibromofluoromethane	*97.6*			*80-120*	*%REC*	1	6/24/2023 21:55
Surr: Toluene-d8	*103*			*80-120*	*%REC*	1	6/24/2023 21:55

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16006-09
Collection Date: 6/15/2023 09:25 AM

Work Order: 23062127
Lab ID: 23062127-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 22:19
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 22:19
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 22:19
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 22:19
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 22:19
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 22:19
Surr: 1,2-Dichloroethane-d4	*105*			*80-120*	*%REC*	1	6/24/2023 22:19
Surr: 4-Bromofluorobenzene	*96.0*			*80-120*	*%REC*	1	6/24/2023 22:19
Surr: Dibromofluoromethane	*96.4*			*80-120*	*%REC*	1	6/24/2023 22:19
Surr: Toluene-d8	*101*			*80-120*	*%REC*	1	6/24/2023 22:19

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-10
Collection Date: 6/15/2023 08:10 AM

Work Order: 23062127
Lab ID: 23062127-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 22:42
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 22:42
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 22:42
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 22:42
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 22:42
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 22:42
Surr: 1,2-Dichloroethane-d4	*116*			*80-120*	*%REC*	1	6/24/2023 22:42
Surr: 4-Bromofluorobenzene	*99.6*			*80-120*	*%REC*	1	6/24/2023 22:42
Surr: Dibromofluoromethane	*113*			*80-120*	*%REC*	1	6/24/2023 22:42
Surr: Toluene-d8	*132*	S		*80-120*	*%REC*	1	6/24/2023 22:42

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-11
Collection Date: 6/15/2023 07:50 AM

Work Order: 23062127
Lab ID: 23062127-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	U		0.46	1.0	µg/L	1	6/24/2023 23:06
Ethylbenzene	U		0.34	1.0	µg/L	1	6/24/2023 23:06
m,p-Xylene	U		0.81	2.0	µg/L	1	6/24/2023 23:06
o-Xylene	U		0.31	1.0	µg/L	1	6/24/2023 23:06
Toluene	U		0.45	1.0	µg/L	1	6/24/2023 23:06
Xylenes, Total	U		0.81	3.0	µg/L	1	6/24/2023 23:06
Surr: 1,2-Dichloroethane-d4	*92.0*			*80-120*	*%REC*	1	6/24/2023 23:06
Surr: 4-Bromofluorobenzene	*98.2*			*80-120*	*%REC*	1	6/24/2023 23:06
Surr: Dibromofluoromethane	*90.3*			*80-120*	*%REC*	1	6/24/2023 23:06
Surr: Toluene-d8	*106*			*80-120*	*%REC*	1	6/24/2023 23:06

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-12
Collection Date: 6/15/2023 08:17 AM

Work Order: 23062127
Lab ID: 23062127-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **BG**
Benzene	**0.65**	J	**0.46**	**1.0**	**µg/L**	1	6/28/2023 17:17
Ethylbenzene	U		0.34	1.0	µg/L	1	6/28/2023 17:17
m,p-Xylene	U		0.81	2.0	µg/L	1	6/28/2023 17:17
o-Xylene	U		0.31	1.0	µg/L	1	6/28/2023 17:17
Toluene	U		0.45	1.0	µg/L	1	6/28/2023 17:17
Xylenes, Total	U		0.81	3.0	µg/L	1	6/28/2023 17:17
Surr: 1,2-Dichloroethane-d4	*98.3*			*80-120*	*%REC*	1	6/28/2023 17:17
Surr: 4-Bromofluorobenzene	*99.7*			*80-120*	*%REC*	1	6/28/2023 17:17
Surr: Dibromofluoromethane	*102*			*80-120*	*%REC*	1	6/28/2023 17:17
Surr: Toluene-d8	*97.9*			*80-120*	*%REC*	1	6/28/2023 17:17

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: *05-Jul-23*

Client: Permian Basin Environmental Lab, LP
Project: 3F16005
Sample ID: 3F16005-13
Collection Date: 6/15/2023 08:52 AM

Work Order: 23062127
Lab ID: 23062127-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS		Method: **SW8260D**					Analyst: **HJ**
Benzene	**57**		**0.46**	**1.0**	**µg/L**	1	6/24/2023 23:54
Ethylbenzene	**3.0**		**0.34**	**1.0**	**µg/L**	1	6/24/2023 23:54
m,p-Xylene	**3.0**		**0.81**	**2.0**	**µg/L**	1	6/24/2023 23:54
o-Xylene	**1.2**		**0.31**	**1.0**	**µg/L**	1	6/24/2023 23:54
Toluene	**10**		**0.45**	**1.0**	**µg/L**	1	6/24/2023 23:54
Xylenes, Total	**4.2**		**0.81**	**3.0**	**µg/L**	1	6/24/2023 23:54
Surr: 1,2-Dichloroethane-d4	*103*			*80-120*	*%REC*	1	6/24/2023 23:54
Surr: 4-Bromofluorobenzene	*103*			*80-120*	*%REC*	1	6/24/2023 23:54
Surr: Dibromofluoromethane	*96.5*			*80-120*	*%REC*	1	6/24/2023 23:54
Surr: Toluene-d8	*109*			*80-120*	*%REC*	1	6/24/2023 23:54

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 05-Jul-23

Client: Permian Basin Environmental Lab, LP

QC BATCH REPORT

Work Order: 23062127

Project: 3F16005

Batch ID: **R375135a** Instrument ID **VMS12** Method: **SW8260D**

MBLK Sample ID: **12V-BLKW3-230623-R375135a** Units: **µg/L** Analysis Date: **6/24/2023 03:59 PM**

Client ID: Run ID: **VMS12_230623C** SeqNo: **9698950** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	0.46	1.0								
Ethylbenzene	U	0.34	1.0								
m,p-Xylene	U	0.81	2.0								
o-Xylene	U	0.31	1.0								
Toluene	U	0.45	1.0								
Xylenes, Total	U	0.81	3.0								
Surr: 1,2-Dichloroethane-d4	*21.55*	0	0	*20*	0	*108*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*18.19*	0	0	*20*	0	*91*	*80-120*	0			
Surr: Dibromofluoromethane	*19.72*	0	0	*20*	0	*98.6*	*80-120*	0			
Surr: Toluene-d8	*20.97*	0	0	*20*	0	*105*	*80-120*	0			

LCS Sample ID: **12V-LCSW3-230623-R375135a** Units: **µg/L** Analysis Date: **6/24/2023 02:47 PM**

Client ID: Run ID: **VMS12_230623C** SeqNo: **9698948** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.53	0.46	1.0	20	0	97.6	78-120	0			
Ethylbenzene	18.92	0.34	1.0	20	0	94.6	76-116	0			
m,p-Xylene	36.39	0.81	2.0	40	0	91	76-119	0			
o-Xylene	18.69	0.31	1.0	20	0	93.4	77-116	0			
Toluene	20.01	0.45	1.0	20	0	100	78-116	0			
Xylenes, Total	55.08	0.81	3.0	60	0	91.8	77-119	0			
Surr: 1,2-Dichloroethane-d4	*21.07*	0	0	*20*	0	*105*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*20.13*	0	0	*20*	0	*101*	*80-120*	0			
Surr: Dibromofluoromethane	*19.9*	0	0	*20*	0	*99.5*	*80-120*	0			
Surr: Toluene-d8	*21.18*	0	0	*20*	0	*106*	*80-120*	0			

MS Sample ID: **23062127-12A MS** Units: **µg/L** Analysis Date: **6/25/2023 12:17 AM**

Client ID: **3F16005-12** Run ID: **VMS12_230623C** SeqNo: **9698971** Prep Date: DF: **10**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	206.1	4.6	10	200	0	103	78-120	0			
Ethylbenzene	200.4	3.4	10	200	0	100	76-116	0			
m,p-Xylene	401.8	8.1	20	400	0	100	76-119	0			
o-Xylene	194.6	3.1	10	200	0	97.3	77-116	0			
Toluene	211.3	4.5	10	200	0	106	78-116	0			
Xylenes, Total	596.4	8.1	30	600	0	99.4	77-119	0			
Surr: 1,2-Dichloroethane-d4	*202.9*	0	0	*200*	0	*101*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*202.4*	0	0	*200*	0	*101*	*80-120*	0			
Surr: Dibromofluoromethane	*187.9*	0	0	*200*	0	*94*	*80-120*	0			
Surr: Toluene-d8	*211.2*	0	0	*200*	0	*106*	*80-120*	0			

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

Client: Permian Basin Environmental Lab, LP
Work Order: 23062127
Project: 3F16005

QC BATCH REPORT

Batch ID: **R375135a** Instrument ID **VMS12** Method: **SW8260D**

MSD Sample ID: **23062127-12A MSD** Units: **µg/L** Analysis Date: **6/25/2023 12:41 AM**
Client ID: **3F16005-12** Run ID: **VMS12_230623C** SeqNo: **9698972** Prep Date: DF: **10**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	211.6	4.6	10	200	0	106	78-120	206.1	2.63	30	
Ethylbenzene	206.1	3.4	10	200	0	103	76-116	200.4	2.8	30	
m,p-Xylene	396.8	8.1	20	400	0	99.2	76-119	401.8	1.25	30	
o-Xylene	200.8	3.1	10	200	0	100	77-116	194.6	3.14	30	
Toluene	210.1	4.5	10	200	0	105	78-116	211.3	0.57	30	
Xylenes, Total	597.6	8.1	30	600	0	99.6	77-119	596.4	0.201	30	
Surr: 1,2-Dichloroethane-d4	*200.3*	0	0	*200*	0	*100*	*80-120*	202.9	*1.29*	*30*	
Surr: 4-Bromofluorobenzene	*196.6*	0	0	*200*	0	*98.3*	*80-120*	202.4	*2.91*	*30*	
Surr: Dibromofluoromethane	*196.5*	0	0	*200*	0	*98.2*	*80-120*	187.9	*4.47*	*30*	
Surr: Toluene-d8	*205.7*	0	0	*200*	0	*103*	*80-120*	211.2	*2.64*	*30*	

The following samples were analyzed in this batch:

23062127-01A	23062127-02A	23062127-03A
23062127-04A	23062127-05A	23062127-06A
23062127-07A	23062127-08A	23062127-09A
23062127-10A	23062127-11A	23062127-12A
23062127-13A		

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

Client: Permian Basin Environmental Lab, LP
Work Order: 23062127
Project: 3F16005

QC BATCH REPORT

Batch ID: **R375374a** Instrument ID **VMS7** Method: **SW8260D**

MBLK Sample ID: **7V-BLKW1-230628-R375374a** Units: **µg/L** Analysis Date: **6/28/2023 12:01 PM**
Client ID: Run ID: **VMS7_230628A** SeqNo: **9715015** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	0.46	1.0								
Ethylbenzene	U	0.34	1.0								
m,p-Xylene	U	0.81	2.0								
o-Xylene	U	0.31	1.0								
Toluene	U	0.45	1.0								
Xylenes, Total	U	0.81	3.0								
Surr: 1,2-Dichloroethane-d4	*19.55*	0	0	*20*	0	*97.8*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*20.66*	0	0	*20*	0	*103*	*80-120*	0			
Surr: Dibromofluoromethane	*20.4*	0	0	*20*	0	*102*	*80-120*	0			
Surr: Toluene-d8	*20.19*	0	0	*20*	0	*101*	*80-120*	0			

LCS Sample ID: **7V-LCSW1-230628-R375374a** Units: **µg/L** Analysis Date: **6/28/2023 11:08 AM**
Client ID: Run ID: **VMS7_230628A** SeqNo: **9715013** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.77	0.46	1.0	20	0	98.8	78-120	0			
Ethylbenzene	20.07	0.34	1.0	20	0	100	76-116	0			
m,p-Xylene	39.85	0.81	2.0	40	0	99.6	76-119	0			
o-Xylene	19.42	0.31	1.0	20	0	97.1	77-116	0			
Toluene	18.42	0.45	1.0	20	0	92.1	78-116	0			
Xylenes, Total	59.27	0.81	3.0	60	0	98.8	77-119	0			
Surr: 1,2-Dichloroethane-d4	*18.67*	0	0	*20*	0	*93.4*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*19.76*	0	0	*20*	0	*98.8*	*80-120*	0			
Surr: Dibromofluoromethane	*19.3*	0	0	*20*	0	*96.5*	*80-120*	0			
Surr: Toluene-d8	*18.75*	0	0	*20*	0	*93.8*	*80-120*	0			

MS Sample ID: **23062200-04A MS** Units: **µg/L** Analysis Date: **6/28/2023 06:45 PM**
Client ID: Run ID: **VMS7_230628A** SeqNo: **9715037** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.58	0.46	1.0	20	0	108	78-120	0			
Ethylbenzene	23.03	0.34	1.0	20	0	115	76-116	0			
m,p-Xylene	45.98	0.81	2.0	40	0	115	76-119	0			
o-Xylene	20.67	0.31	1.0	20	0	103	77-116	0			
Toluene	20.36	0.45	1.0	20	0	102	78-116	0			
Xylenes, Total	66.65	0.81	3.0	60	0	111	77-119	0			
Surr: 1,2-Dichloroethane-d4	*17.96*	0	0	*20*	0	*89.8*	*80-120*	0			
Surr: 4-Bromofluorobenzene	*19.71*	0	0	*20*	0	*98.6*	*80-120*	0			
Surr: Dibromofluoromethane	*19.62*	0	0	*20*	0	*98.1*	*80-120*	0			
Surr: Toluene-d8	*19.41*	0	0	*20*	0	*97*	*80-120*	0			

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

Client: Permian Basin Environmental Lab, LP
Work Order: 23062127
Project: 3F16005

QC BATCH REPORT

Batch ID: **R375374a** Instrument ID **VMS7** Method: **SW8260D**

MSD Sample ID: **23062200-04A MSD** Units: **µg/L** Analysis Date: **6/28/2023 07:03 PM**
Client ID: Run ID: **VMS7_230628A** SeqNo: **9715038** Prep Date: DF: **1**

Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.74	0.46	1.0	20	0	104	78-120	21.58	3.97	30	
Ethylbenzene	20.95	0.34	1.0	20	0	105	76-116	23.03	9.46	30	
m,p-Xylene	42.2	0.81	2.0	40	0	106	76-119	45.98	8.57	30	
o-Xylene	19.66	0.31	1.0	20	0	98.3	77-116	20.67	5.01	30	
Toluene	20.14	0.45	1.0	20	0	101	78-116	20.36	1.09	30	
Xylenes, Total	61.86	0.81	3.0	60	0	103	77-119	66.65	7.45	30	
Surr: 1,2-Dichloroethane-d4	*18.78*	0	0	*20*	0	*93.9*	*80-120*	17.96	*4.46*	*30*	
Surr: 4-Bromofluorobenzene	*19.9*	0	0	*20*	0	*99.5*	*80-120*	19.71	*0.959*	*30*	
Surr: Dibromofluoromethane	*20.28*	0	0	*20*	0	*101*	*80-120*	19.62	*3.31*	*30*	
Surr: Toluene-d8	*19.13*	0	0	*20*	0	*95.6*	*80-120*	19.41	*1.45*	*30*	

The following samples were analyzed in this batch: 23062127-12A

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

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #: 23062127

PERMIANBASINEL: Permian Basin Environmental Lab, LP
Project: 3F16005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	8021 BTEX TOTAL CALC.			HOLD	72 HOUR	STANDARD
	3F16005-01			6/15/2023	10:08		3	X		X						W	X				X	
	3F16005-02			6/15/2023	12:00		3	X		X						W	X				X	
	3F16005-03			6/15/2023	12:24		3	X		X						W	X				X	
	3F16005-04			6/15/2023	10:51		3	X		X						W	X				X	
	3F16005-05			6/15/2023	9:59		3	X		X						W	X				X	
	3F16005-06			6/15/2023	10:55		3	X		X						W	X				X	
	3F16005-07			6/15/2023	9:11		3	X		X						W	X				X	

SPECIAL INSTRUCTIONS: Report to MDL

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	6/12/23	17:00			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	6-23-23	1000

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: 2 °C
Adjusted: °C Factor

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron
Company Name: PBEL
Company Address: 1400 Rankin HWY
City/State/Zip: Midland Texas 79701
Telephone No: 432-661-4184 Fax No:
Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT
Project #:
Project Loc:
PO #:
Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8021 BTEX TOTAL CALC.	HOLD	72 HOUR	STANDARD
	3F16005-08			6/15/2023	10:08		3	X		X						W	X		X	
	3F16005-09			6/15/2023	9:25		3	X		X						W	X		X	
	3F16005-10			6/15/2023	8:10		3	X		X						W	X		X	
	3F16005-11			6/15/2023	7:50		3	X		X						W	X		X	
	3F16005-12			6/15/2023	8:17		3	X		X						W	X		X	
	3F16005-13			6/15/2023	8:52		3	X		X						W	X		X	

23062127
PERMIANBASINEL Permian Basin Environmental Lab, LP
Project: 3F16005

SPECIAL INSTRUCTIONS: Report to MDL

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	6/22/23	12:00			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	6/23/23	1000		6-23-23	1000

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **PERMIANBASINEL** Date/Time Received: **23-Jun-23 10:00**

Work Order: **23062127** Received by: **JD**

Checklist completed by Jason Delinger (eSignature) 23-Jun-23 (Date) Reviewed by: Chelsey Cook (eSignature) 26-Jun-23 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.6/2.6 C	DF2	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/23/2023 11:00:51 AM		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

SRC Page 1 of 1

Talon LPE	Project: Moore to Jal #2 (MTJ2)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10273	
Midland TX, 79706	Project Manager: David Adkins	

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #1 (MTJ1)

Project Number: SRS#2002-10270

Location: Lea County, NM

Lab Order Number: 3I18008

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/21/23

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-39	3I18008-01	Water	09/14/23 11:51	09-18-2023 09:30
MW-41	3I18008-02	Water	09/14/23 13:37	09-18-2023 09:30
MW-21	3I18008-03	Water	09/15/23 09:21	09-18-2023 09:30
MW-40	3I18008-04	Water	09/15/23 09:38	09-18-2023 09:30
MW-26	3I18008-05	Water	09/15/23 10:18	09-18-2023 09:30
MW-37	3I18008-06	Water	09/15/23 10:27	09-18-2023 09:30
MW-38	3I18008-07	Water	09/15/23 11:23	09-18-2023 09:30
MW-36	3I18008-08	Water	09/15/23 11:42	09-18-2023 09:30
MW-35	3I18008-09	Water	09/15/23 12:31	09-18-2023 09:30
MW-29	3I18008-10	Water	09/15/23 13:13	09-18-2023 09:30

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-39

3I18008-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.5 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 01:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.9 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 01:19*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-41

3I18008-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 01:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 01:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 01:42*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-21

3I18008-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.7 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:05*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-40

3I18008-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	**0.00471**	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Xylenes (total)	**0.000580**	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Organics by GC									
Benzene	**0.00304**	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Toluene	**0.00109**	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.4 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:29*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-26

3I18008-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 02:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.3 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.1 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 02:52*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-37

3I18008-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 03:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.2 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 03:15*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-38

3I18008-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 03:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.1 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 03:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 03:38*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-36

3I18008-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.9 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 04:01*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 04:01*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-35

3I18008-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 04:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.9 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 04:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.7 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 04:24*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-29

3I18008-10 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I2010	09/20/23 10:20	09/21/23 05:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.1 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 05:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P3I2010*	*09/20/23 10:20*	*09/21/23 05:34*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I2010 - * DEFAULT PREP *** **										
Blank (P3I2010-BLK1)				Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.5*	*80-120*			
LCS (P3I2010-BS1)				Prepared & Analyzed: 09/20/23						
Benzene	0.0976	0.00100	mg/L	0.100		97.6	80-120			
Toluene	0.0931	0.00100	"	0.100		93.1	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.5	80-120			
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.1*	*80-120*			
LCS Dup (P3I2010-BSD1)				Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.0941	0.00100	mg/L	0.100		94.1	80-120	3.63	20	
Toluene	0.0902	0.00100	"	0.100		90.2	80-120	3.11	20	
Ethylbenzene	0.0935	0.00100	"	0.100		93.5	80-120	2.17	20	
Xylene (p/m)	0.186	0.00200	"	0.200		93.1	80-120	2.55	20	
Xylene (o)	0.0817	0.00100	"	0.100		81.7	80-120	3.28	20	
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*92.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Blank (P3I2010-CCB1)				Prepared & Analyzed: 09/20/23						
Benzene	0.0900		ug/l							
Toluene	0.0500		"							
Ethylbenzene	0.0900		"							
Xylene (p/m)	0.100		"							
Xylene (o)	0.0800		"							
Surrogate: 4-Bromofluorobenzene	*0.107*		"	*0.120*		*89.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.5*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I2010 - * DEFAULT PREP *** **										
Calibration Blank (P3I2010-CCB2)				Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.130		ug/l							
Toluene	0.100		"							
Ethylbenzene	0.0500		"							
Xylene (p/m)	0.0800		"							
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Check (P3I2010-CCV1)				Prepared & Analyzed: 09/20/23						
Benzene	0.0897	0.00100	mg/L	0.100		89.7	80-120			
Toluene	0.0933	0.00100	"	0.100		93.3	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		99.9	80-120			
Xylene (o)	0.0912	0.00100	"	0.100		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*80-120*			
Calibration Check (P3I2010-CCV2)				Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.0881	0.00100	mg/L	0.100		88.1	80-120			
Toluene	0.0941	0.00100	"	0.100		94.1	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0931	0.00100	"	0.100		93.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*80-120*			
Calibration Check (P3I2010-CCV3)				Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.0894	0.00100	mg/L	0.100		89.4	80-120			
Toluene	0.0943	0.00100	"	0.100		94.3	80-120			
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I2010 - * DEFAULT PREP *** **										
Matrix Spike (P3I2010-MS1)	**Source: 3I15006-01**			Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.0991	0.00100	mg/L	0.100	ND	99.1	80-120			
Toluene	0.0910	0.00100	"	0.100	ND	91.0	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100	ND	93.2	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200	ND	91.1	80-120			
Xylene (o)	0.0792	0.00100	"	0.100	ND	79.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.100*		"	*0.120*		*83.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.8*	*80-120*			
Matrix Spike Dup (P3I2010-MSD1)	**Source: 3I15006-01**			Prepared: 09/20/23 Analyzed: 09/21/23						
Benzene	0.0913	0.00100	mg/L	0.100	ND	91.3	80-120	8.21	20	
Toluene	0.0865	0.00100	"	0.100	ND	86.5	80-120	5.00	20	
Ethylbenzene	0.0887	0.00100	"	0.100	ND	88.7	80-120	4.97	20	
Xylene (p/m)	0.175	0.00200	"	0.200	ND	87.7	80-120	3.81	20	
Xylene (o)	0.0759	0.00100	"	0.100	ND	75.9	80-120	4.32	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.4*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/21/2023

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number:	SRS#2002-10270
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager:	David Adkins	**Project Name:**	Moore to Jal #1 (MTJ1)
Company Name:	Talon LPE	**Project #:**	Plains All American Pipeline
Company Address:	408 Texas St.	**Project Loc:**	Lea County, NM
City/State/Zip:	Artesia, NM 88210	**PO #:**	SRS# 2002-10270
Telephone No:	575-441-4835	**Fax No:**	_____
Report Format:	☐ Standard ☐ TRRP ☐ NPDES		
Sampler Signature:	Matthew Gomez	**e-mail:**	dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)

ORDER #: 3I18008

Analyze For:

TCLP:

TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-39			9/14/23	11:51		3	3		3						GW			X		X
2	MW-41			9/14/23	1:37																
3	MW-21			9/15/23	9:21																
4	MW-40			9/15/23	9:38																
5	MW-26			9/15/23	10:18																
6	MW-37			9/15/23	10:27																
7	MW-38			9/15/23	11:23																
8	MW-36			9/15/23	11:42																
9	MW-35			9/15/23	12:31																
10	MW-29			9/15/23	1:13		3	3		3						GW			X		X

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

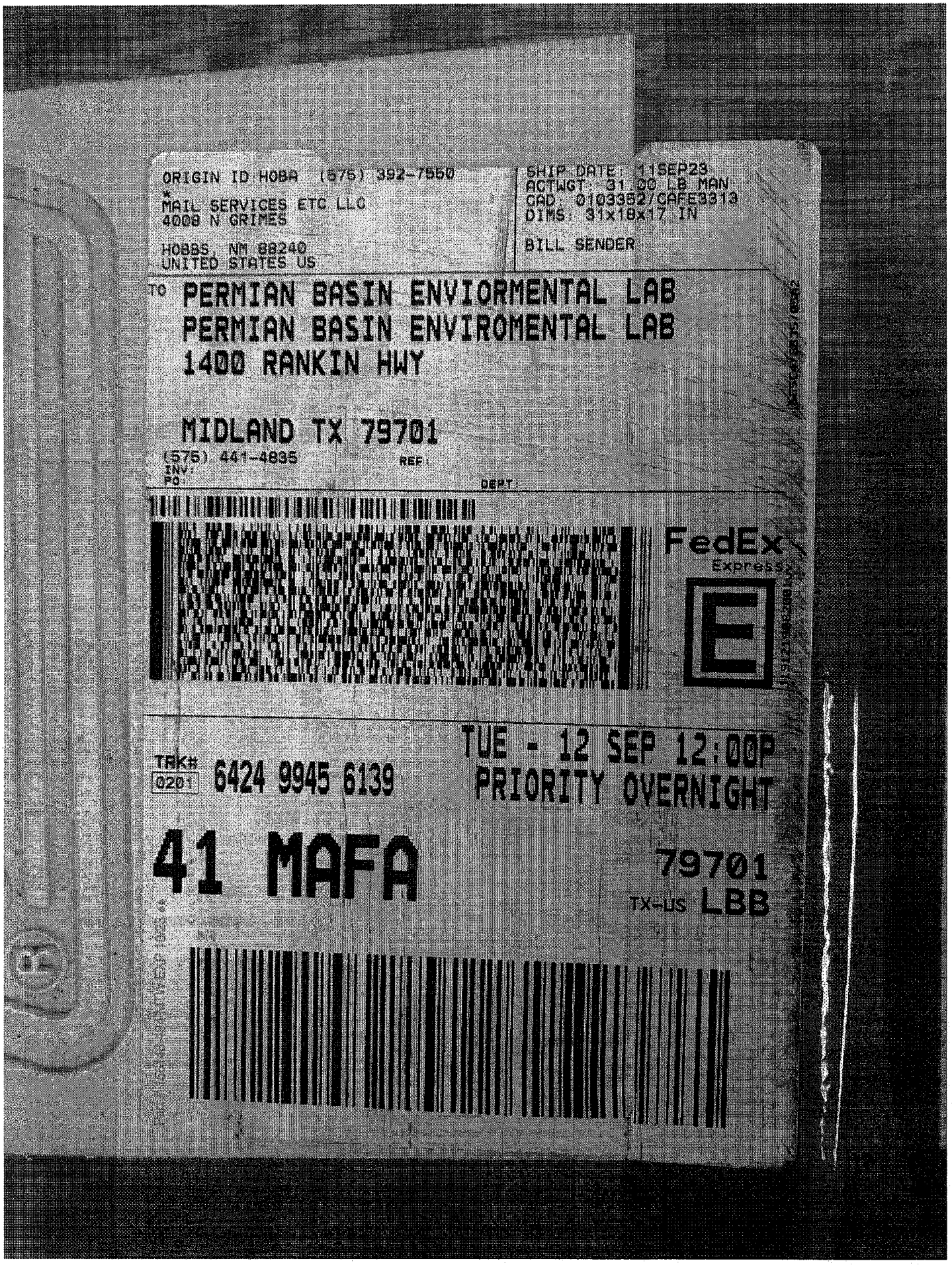
	Relinquished by:	Date	Time	Received by:	Date	Time
	Bartlett Medley	9-15-23	1:20		9-15-23	1:32
	Relinquished by:	Date	Time	Received by:	Date	Time
	Relinquished by:	Date	Time	Received by PBEL:	Date	Time
					9/18/23	9:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL (FedEx) Lone Star

Temperature Upon Receipt:
Received: 4.9 °C Thermometer: NCF13
Adjusted: °C Factor:



ORIGIN ID HOBA (575) 392-7550
*
MAIL SERVICES ETC LLC
4008 N GRIMES

HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 11SEP23
ACTWGT: 31.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 31x18x17 IN

BILL SENDER

TO PERMIAN BASIN ENVIORMENTAL LAB
PERMIAN BASIN ENVIROMENTAL LAB
1400 RANKIN HWY

MIDLAND TX 79701
(575) 441-4835 REF:
INV:
PO: DEPT

FedEx Express

TRK# 0201 6424 9945 6139

TUE - 12 SEP 12:00P
PRIORITY OVERNIGHT

41 MAFA

79701
TX-US LBB

FedEx

September 18, 2023

Dear Customer,

The following is the proof-of-delivery for tracking number: 642499456139

Delivery Information:

Status:	Delivered	**Delivered To:**	Receptionist/Front Desk
Signed for by:	J.BLEDSOE	**Delivery Location:**	
Service type:	FedEx Priority Overnight		
Special Handling:	Deliver Weekday; Non Standard Packaging		MIDLAND, TX,
		Delivery date:	Sep 12, 2023 10:41

Shipping Information:

Tracking number:	642499456139	**Ship Date:**	Sep 11, 2023
		Weight:	31.0 LB/14.07 KG

Recipient:

MIDLAND, TX, US,

Shipper:

Hobbs, NM, US,

Signature image is available. In order to view image and detailed information, the shipper or payor account number of the shipment must be provided.

Thank you for choosing FedEx.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835
Fax No:
Sampler Signature: Matthew Gomez

Project Name: Moore to Jal #1 (MTJ1)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10270
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 3I18008

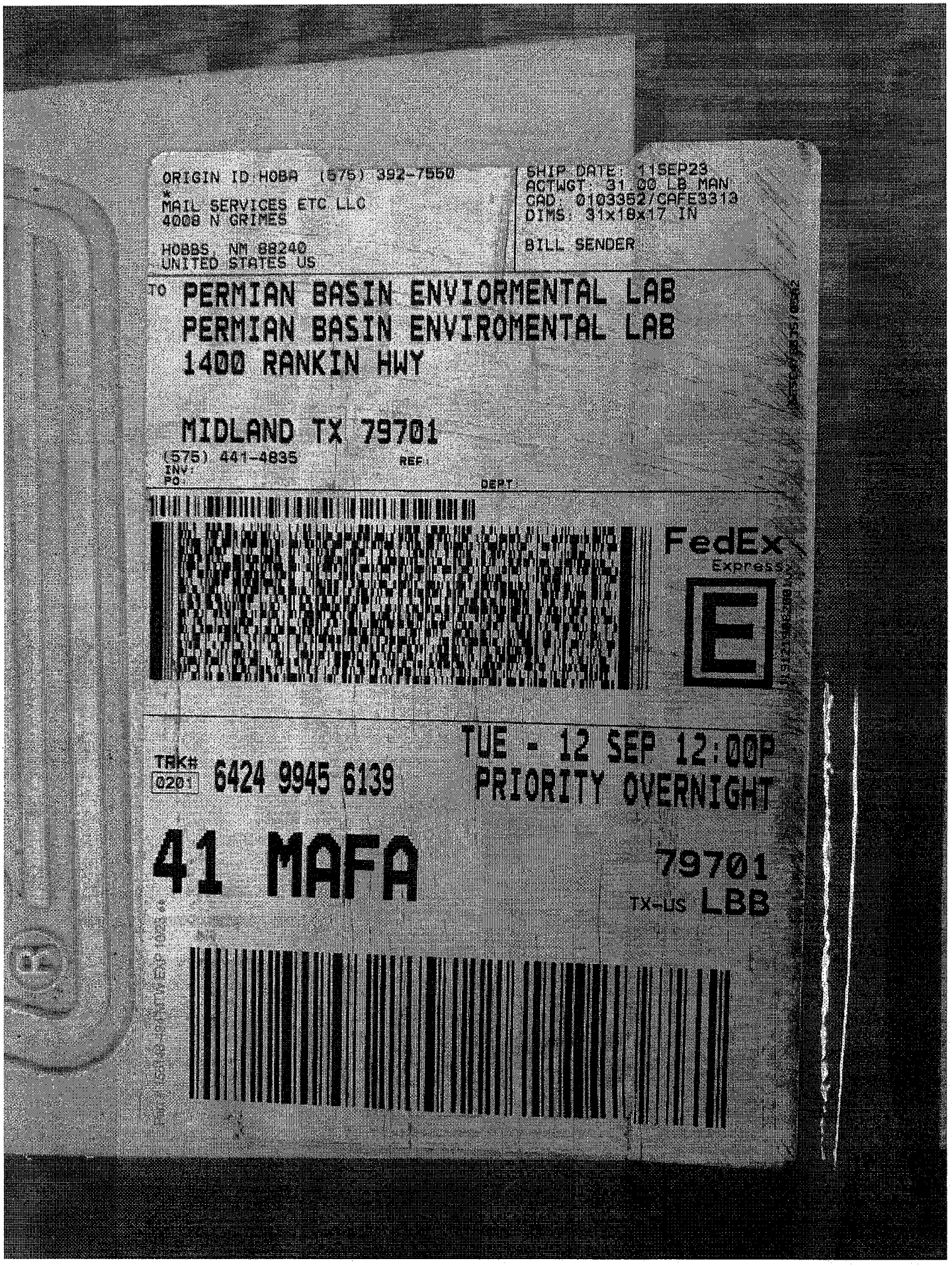
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-39			9/14/23	11:51		3	3		3						GW			X		X
2	MW-41			9/14/23	1:37																
3	MW-21			9/15/23	9:21																
4	MW-40			9/15/23	9:38																
5	MW-26			9/15/23	10:18																
6	MW-37			9/15/23	10:27																
7	MW-38			9/15/23	11:23																
8	MW-36			9/15/23	11:42																
9	MW-35			9/15/23	12:31																
10	MW-29			9/15/23	1:13		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	9-15-23	1:20		9-15-23	1:32
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				9/18/23	9:30

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL (FedEx) Lone Star
Temperature Upon Receipt:
Received: 4.9 °C Thermometer: NCF13
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page 1 of 1


ORIGIN ID HOBA (575) 392-7550
MAIL SERVICES ETC LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US
SHIP DATE: 11SEP23
ACTWGT: 31.00 LB MAN
CAD: 0103352/CAFE3313
DIMS: 31x18x17 IN
BILL SENDER
TO PERMIAN BASIN ENVIORMENTAL LAB
PERMIAN BASIN ENVIROMENTAL LAB
1400 RANKIN HWY
MIDLAND TX 79701
(575) 441-4835
INV:
PO:
REF:
DEPT
FedEx Express
TRK# 0201 6424 9945 6139
TUE - 12 SEP 12:00P
PRIORITY OVERNIGHT
41 MAFA
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TX-US LBB

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September 18, 2023

Dear Customer,

The following is the proof-of-delivery for tracking number: 642499456139

Delivery Information:

Status:	Delivered	**Delivered To:**	Receptionist/Front Desk
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Special Handling:	Deliver Weekday; Non Standard Packaging		MIDLAND, TX,
		Delivery date:	Sep 12, 2023 10:41

Shipping Information:

Tracking number:	642499456139	**Ship Date:**	Sep 11, 2023
		Weight:	31.0 LB/14.07 KG

Recipient:	**Shipper:**
MIDLAND, TX, US,	Hobbs, NM, US,

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Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, TX 79701
432-686-7235

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Certification Current

Project: Moore to Jal #1 (MTJ1)

Project Number: SRS#2002-10270

Location: Lea County, NM

Lab Order Number: 3L15009

Report Date: 01/02/24

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-35	3L15009-01	Water	12/13/23 13:00	12-15-2023 13:29
MW-36	3L15009-02	Water	12/13/23 13:09	12-15-2023 13:29
MW-41	3L15009-03	Water	12/15/23 09:27	12-15-2023 13:29
MW-39	3L15009-04	Water	12/15/23 08:56	12-15-2023 13:29
MW-40	3L15009-05	Water	12/13/23 10:50	12-15-2023 13:29
MW-38	3L15009-06	Water	12/13/23 10:57	12-15-2023 13:29
MW-29	3L15009-07	Water	12/13/23 12:15	12-15-2023 13:29
MW-26	3L15009-08	Water	12/13/23 11:13	12-15-2023 13:29
MW-21	3L15009-09	Water	12/13/23 12:00	12-15-2023 13:29

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

BTEX by 8021B

Permian Basin Environmental Lab, L.P.

Analyte	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-35 (3L15009-01) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-36 (3L15009-02) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-41 (3L15009-03) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-39 (3L15009-04) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-40 (3L15009-05) Water										
Total BTEX	**0.0141**	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	**0.0110**	0.000500	0.00100	"	"	"	"	"	"	
MW-38 (3L15009-06) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-29 (3L15009-07) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-26 (3L15009-08) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

BTEX by 8021B

Permian Basin Environmental Lab, L.P.

Analyte	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-21 (3L15009-09) Water										
Total BTEX	<0.000500	0.000500	0.00100	mg/L	1	[CALC]	12/22/23	12/23/23	EPA 8021B	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC

Permian Basin Environmental Lab, L.P.

Analyte	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-35 (3L15009-01) Water										
Benzene	**<0.00100**		0.00100	mg/L	1	P3L2206	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.5 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*87.5 %*	*80-120*		"	"	"	"	
MW-36 (3L15009-02) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2206	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*82.4 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*87.8 %*	*80-120*		"	"	"	"	
MW-41 (3L15009-03) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2206	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.4 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*88.1 %*	*80-120*		"	"	"	"	
MW-39 (3L15009-04) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00200**		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*84.2 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*89.3 %*	*80-120*		"	"	"	"	

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC

Permian Basin Environmental Lab, L.P.

Analyte	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-40 (3L15009-05) Water										
Benzene	**0.00236**		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	**<0.00100**		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	**0.0110**		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*89.3 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*87.9 %*	*80-120*		"	"	"	"	
MW-38 (3L15009-06) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00200**		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*82.4 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*88.3 %*	*80-120*		"	"	"	"	
MW-29 (3L15009-07) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.4 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*88.3 %*	*80-120*		"	"	"	"	
MW-26 (3L15009-08) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.7 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*86.9 %*	*80-120*		"	"	"	"	

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC

Permian Basin Environmental Lab, L.P.

Analyte	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-21 (3L15009-09) Water										
Benzene	<0.00100		0.00100	mg/L	1	P3L2208	12/22/23	12/23/23	EPA 8021B	
Toluene	<0.00100		0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.00100		0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00200		0.00200	"	"	"	"	"	"	
Xylene (o)	<0.00100		0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*83.1 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*87.4 %*	*80-120*		"	"	"	"	

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2206 - * DEFAULT PREP *** **				Analyst:JLB/BB/SG						
Blank (P3L2206-BLK1)				Prepared & Analyzed: 12/22/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*85.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.4*	*80-120*			
LCS (P3L2206-BS1)				Prepared & Analyzed: 12/22/23						
Benzene	0.0960	0.00100	mg/L	0.100		96.0	80-120			
Toluene	0.0895	0.00100	"	0.100		89.5	80-120			
Ethylbenzene	0.0910	0.00100	"	0.100		91.0	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.3	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*85.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.0*	*80-120*			
LCS Dup (P3L2206-BSD1)				Prepared & Analyzed: 12/22/23						
Benzene	0.0984	0.00100	mg/L	0.100		98.4	80-120	2.47	20	
Toluene	0.0930	0.00100	"	0.100		93.0	80-120	3.81	20	
Ethylbenzene	0.0943	0.00100	"	0.100		94.3	80-120	3.55	20	
Xylene (p/m)	0.184	0.00200	"	0.200		91.9	80-120	2.92	20	
Xylene (o)	0.0808	0.00100	"	0.100		80.8	80-120	0.335	20	
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*84.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
Calibration Blank (P3L2206-CCB1)				Prepared & Analyzed: 12/22/23						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.210		"							
Xylene (p/m)	0.310		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*85.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2206 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Calibration Blank (P3L2206-CCB2)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
Calibration Blank (P3L2206-CCB3)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0977*		*"*	*0.120*		*81.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.1*	*80-120*			
Calibration Check (P3L2206-CCV1)					Prepared & Analyzed: 12/22/23					
Benzene	0.0993	0.00100	mg/L	0.100		99.3	80-120			
Toluene	0.0930	0.00100	"	0.100		93.0	80-120			
Ethylbenzene	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.5	80-120			
Xylene (o)	0.0827	0.00100	"	0.100		82.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.9*	*80-120*			
Calibration Check (P3L2206-CCV2)					Prepared & Analyzed: 12/22/23					
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.0968	0.00100	"	0.100		96.8	80-120			
Ethylbenzene	0.0919	0.00100	"	0.100		91.9	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.2	80-120			
Xylene (o)	0.0847	0.00100	"	0.100		84.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.5*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2206 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Calibration Check (P3L2206-CCV3)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0962	0.00100	"	0.100		96.2	80-120			
Ethylbenzene	0.0909	0.00100	"	0.100		90.9	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		92.8	80-120			
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Matrix Spike (P3L2206-MS1)		**Source: 3L14001-01**			Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0812	0.00100	mg/L	0.100	ND	81.2	80-120			
Toluene	0.0739	0.00100	"	0.100	ND	73.9	80-120			QM-05
Ethylbenzene	0.0753	0.00100	"	0.100	ND	75.3	80-120			QM-05
Xylene (p/m)	0.147	0.00200	"	0.200	ND	73.5	80-120			QM-05
Xylene (o)	0.0636	0.00100	"	0.100	ND	63.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0967*		*"*	*0.120*		*80.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*85.9*	*80-120*			
Matrix Spike Dup (P3L2206-MSD1)		**Source: 3L14001-01**			Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0982	0.00100	mg/L	0.100	ND	98.2	80-120	18.9	20	
Toluene	0.0903	0.00100	"	0.100	ND	90.3	80-120	20.0	20	
Ethylbenzene	0.0920	0.00100	"	0.100	ND	92.0	80-120	20.1	20	QM-05
Xylene (p/m)	0.178	0.00200	"	0.200	ND	88.9	80-120	19.0	20	
Xylene (o)	0.0777	0.00100	"	0.100	ND	77.7	80-120	19.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.0962*		*"*	*0.120*		*80.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.6*	*80-120*			
Batch P3L2208 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Blank (P3L2208-BLK1)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*84.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.5*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2208 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
LCS (P3L2208-BS1)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0970	0.00100	mg/L	0.100		97.0	80-120			
Toluene	0.0900	0.00100	"	0.100		90.0	80-120			
Ethylbenzene	0.0913	0.00100	"	0.100		91.3	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.3	80-120			
Xylene (o)	0.0801	0.00100	"	0.100		80.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.4*	*80-120*			
LCS Dup (P3L2208-BSD1)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	5.53	20	
Toluene	0.0957	0.00100	"	0.100		95.7	80-120	6.16	20	
Ethylbenzene	0.0965	0.00100	"	0.100		96.5	80-120	5.48	20	
Xylene (p/m)	0.186	0.00200	"	0.200		93.0	80-120	5.23	20	
Xylene (o)	0.0824	0.00100	"	0.100		82.4	80-120	2.88	20	
Surrogate: 4-Bromofluorobenzene	*0.0964*		*"*	*0.120*		*80.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Calibration Blank (P3L2208-CCB1)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0977*		*"*	*0.120*		*81.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.1*	*80-120*			
Calibration Blank (P3L2208-CCB2)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.220		"							
Xylene (p/m)	0.260		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0991*		*"*	*0.120*		*82.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.3*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
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Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2208 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Calibration Blank (P3L2208-CCB3)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.100*		*"*	*0.120*		*83.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.3*	*80-120*			
Calibration Check (P3L2208-CCV1)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0962	0.00100	"	0.100		96.2	80-120			
Ethylbenzene	0.0909	0.00100	"	0.100		90.9	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		92.8	80-120			
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.6*	*80-120*			
Calibration Check (P3L2208-CCV2)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0965	0.00100	"	0.100		96.5	80-120			
Ethylbenzene	0.0904	0.00100	"	0.100		90.4	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	80-120			
Xylene (o)	0.0838	0.00100	"	0.100		83.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0967*		*"*	*0.120*		*80.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.9*	*80-120*			
Calibration Check (P3L2208-CCV3)					Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0978	0.00100	mg/L	0.100		97.8	80-120			
Toluene	0.0909	0.00100	"	0.100		90.9	80-120			
Ethylbenzene	0.0859	0.00100	"	0.100		85.9	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.4	80-120			
Xylene (o)	0.0807	0.00100	"	0.100		80.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0989*		*"*	*0.120*		*82.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
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Organics by GC - Quality Control

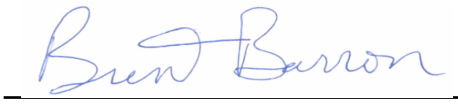
Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L2208 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Matrix Spike (P3L2208-MS1)		**Source: 3L15009-04**			Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0926	0.00100	mg/L	0.100	ND	92.6	80-120			
Toluene	0.0838	0.00100	"	0.100	ND	83.8	80-120			
Ethylbenzene	0.0833	0.00100	"	0.100	ND	83.3	80-120			
Xylene (p/m)	0.159	0.00200	"	0.200	ND	79.4	80-120			QM-05
Xylene (o)	0.0704	0.00100	"	0.100	ND	70.4	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.0997*		"	*0.120*		*83.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.9*	*80-120*			
Matrix Spike Dup (P3L2208-MSD1)		**Source: 3L15009-04**			Prepared: 12/22/23 Analyzed: 12/23/23					
Benzene	0.0885	0.00100	mg/L	0.100	ND	88.5	80-120	4.45	20	
Toluene	0.0803	0.00100	"	0.100	ND	80.3	80-120	4.24	20	
Ethylbenzene	0.0802	0.00100	"	0.100	ND	80.2	80-120	3.84	20	
Xylene (p/m)	0.154	0.00200	"	0.200	ND	76.8	80-120	3.42	20	QM-05
Xylene (o)	0.0676	0.00100	"	0.100	ND	67.6	80-120	4.14	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.0999*		"	*0.120*		*83.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.8*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
MQL	Method Quantitation Limit
SQL	Sample Quantitation Limit
UMQL	Unadjusted MQL = MQL / Dilution
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
MS	Matrix Spike
Dup	Duplicate

Report Approved By:  Date: 1/2/2024

Brent Barron, Laboratory Director/Corp. Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835 **Fax No:**
Sampler Signature: Bartlett Malloy

Project Name: Moore to Jal #1 (MTJ1)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10270
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only) **ORDER #:** 3L15009

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Othe	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-35			12-13-23	1:00		3	3		3						GW			X		X
2	MW-36			12-13-23	1:09		3	3		3						GW			X		X
3	MW-41			12-15-23	9:27		3	3		3						GW			X		X
4	MW-39			12-15-23	8:56		3	3		3						GW			X		X
5	MW-40			12-13-23	10:50		3	3		3						GW			X		X
6	MW-38			12-13-23	10:57		3	3		3						GW			X		X
7	MW-29			12-13-23	12:15		3	3		3						GW			X		X
8	MW-26			12-13-23	11:13		3	3		3						GW			X		X
9	MW-21			12-13-23	12:00		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Bennett	12/15/23	1:29			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Tina Bledsoe	12/15/23	13:29

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 4.7 °C Thermometer: NA
Adjusted: °C Factor: 1.0

Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
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Talon LPE	Project: Moore to Jal #1 (MTJ1)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2002-10270	
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2901 S. State Hwy 349	Project Number: SRS#2002-10270	
Midland TX, 79706	Project Manager: David Adkins	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 350197

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 350197
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 8" Moore to Jal #1 for Plains Pipeline, L.P: content satisfactory 1. Please proceed to install additional monitoring wells and update the site map accordingly with the additional wells. 2. Continue the O&M as scheduled for the recovery system in place. 3. Perform quarterly monitoring as scheduled for BTEX and PAH analyses by EPA methods 8260 and 8270. 4. Submit the 2024 annual groundwater report to OCD by April 1, 2025.	8/22/2024