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TALON LPE

2022 ANNUAL GROUNDWATER MONITORING REPORT

8" MOORE TO JAL #1
LEA COUNTY, NEW MEXICO
SRS #2002—10270
NMOCD REF. # AP-91, nAPP2109526205

Review conducted of the 2022 Annual Groundwater Monitoring Report: **Content Satisfactory**

1. Continue O&M of the total fluid pumps recovery system.

2. Perform groundwater monitoring events in accordance with NMOCD directives.

3. Install additional monitor wells to compensate for declining water levels at proposed locations.
4. Submit 2023 Annual Report by April 1, 2024.

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March 27, 2023

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NMOCD - New Mexico Oil Conservation Division
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TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION AND OBJECTIVES

1.1 Site Background

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

1.2 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands'. The soil in the upper two (2) feet at the site is composed of gravelly loam that consists of sand, clay, silt and abundant, eroded, gravel to cobble size caliche fragments. Below the top soil 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.

1.3 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 of 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.

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.

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.

1.4 Regulatory Framework

Groundwater analytical data collected from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards outlined in the table below:

NMWQCC Groundwater Standards	
Compound	**mg/L**
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]-pyrene)	0.0007

mg/L : milligrams per liter

The sections that follow provide summaries of the four (4) quarterly groundwater monitoring events conducted at the subject site as well as analytical results from each groundwater sampling event conducted in 2022. Analytical results for the four (4) sampling events are summarized in Table 2 in Appendix B - Tables, and Figures 3a through 3d in Appendix A - Figures. Laboratory analytical data reports and chain of custody documentation are included in Appendix C. Historic fluid level measurements are included on Table 1 in Appendix B - Tables and gradient maps are provided as Figures 2a through 2d in Appendix A - Figures.

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and PSH recovery activities conducted at the subject site during 2022. The primary focus of groundwater monitoring activities is to obtain depth to fluid measurements and collect groundwater samples from monitor wells 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 inhibition of plume migration, reduction of the volume of PSH impacting 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 during this twelve-month period: March 2022, June 2022, September 2022, and December 2022.

During the March 2022 groundwater monitoring event, all recovery/monitor wells were gauged. A total of 14 monitor wells (MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41) were purged and sampled. Due to the presence of PSH, 12 monitor wells (MW-4A, MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33) were not sampled. It was noted that 14 monitor wells (MW-1A, MW-2, MW-3, MW-5, MW-7, MW-9, MW-15, MW-17 through 20, MW-23, MW-28, 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 2022 groundwater monitoring event, all recovery/monitor wells were gauged. A total of 14 monitor wells (MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41) were purged and sampled. Due to the presence of PSH, 11 monitor wells (MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33) were not sampled. It was noted that 15 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-5, MW-7, MW-9, MW-15, MW-17 through MW-20, MW-23, MW-28, MW-31) were dry when gauged and monitor well MW-13 had an obstruction; therefore, the aforementioned wells were not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2022 groundwater monitoring event, all recovery/monitor wells were gauged. A total of 14 monitor wells (MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41) were purged and sampled. Due to the presence of PSH, 11 monitor wells (MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33) were not sampled. It was noted that 15 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-5, MW-7, MW-9, MW-15, MW-17 through MW-20, MW-23, MW-28, 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 December 2022 groundwater monitoring event, all recovery/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, 12 monitor wells (MW-6 through MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33) were not sampled. It was noted that 14 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-5, MW-9, MW-15, MW-17 through MW-20, MW-23, MW-28 and MW-31) were dry when gauged and monitor well MW-13 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Two (2) monitor wells (MW-14 and MW-27) had insufficient water to purge or sample. 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.

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 personnel, until they were delivered to Eurofins Laboratories, Inc. in Midland, Texas for analyses. The groundwater samples collected during all four 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 of 2008, Talon installed a pneumatic skimmer system at the site. In October 2017, Talon began conducting MDPE events at the site.

In 2022, 15 monitor wells were pumped for PSH: MW-4A, MW-6, MW-8, MW-10, MW-11, MW-12, MW-13, MW-16, MW-24, MW-25, MW-29, MW-30, MW-31, 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 personnel performed a minimum of weekly maintenance to the remediation system to ensure efficient operation and to minimize down time.

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

- 1st Quarter – 0 bbls crude oil and 0 bbls of groundwater
- 2nd Quarter – 10.20 bbls crude oil and 674 bbls of groundwater
- 3rd Quarter – 7.53 bbls crude oil and 211.61 bbls of groundwater
- 4th Quarter – 4.62 bbls of crude oil and 360.16 bbls of groundwater

The groundwater system was shut in during the 1st Quarter of 2022 due to electrical system repairs, back ordered electrical parts and supply chain delays.

In addition to system recovery, four (4) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2022. The MDPE event recovery totals are as follows:

- March 2022 – 3.16 bbls vapor, 6.60 bbls liquid
- May 2022 – 0.49 bbls vapor, 7.12 bbls liquid
- September 2022 – 3.36 bbls vapor, 11.48 bbls liquid
- December 2022– 3.66 bbls vapor, 4.84 bbls liquid

Approximately 40.71 bbls of PSH were recovered in 2022 and a total of approximately 3,040.41 bbls of PSH have been recovered at the subject site to date.

3.0 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 four (4) groundwater monitoring events conducted during 2022 at the subject site.

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally mirrors the land surface elevation with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven (7) inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically 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 with an average pH of 7.3.

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements were collected during each of the four (4) groundwater monitoring events during the year 2022. The results of the fluid level measurements are summarized in Table 1 – Groundwater Gauging and NAPL Thickness - Historical in Appendix B.

The collected data was used to construct potentiometric surface maps in order to interpret the groundwater gradient and flow direction. The maps, designated Figures 2a through 2d, are presented in Appendix A.

The potentiometric surface maps constructed for each of the four (4) groundwater monitoring events indicate that the groundwater flow direction is to the southeast at an average gradient of 0.00455 feet per foot or approximately 24.02 feet per mile. Groundwater levels at the subject

site have exhibited a steady decrease of an average of 1.62 feet for the year 2022. Average groundwater levels have declined approximately 7.81 feet across the site since 2017.

3.3 Phase Separated Hydrocarbon

An oil/water interface probe was used to determine the thicknesses of PSH during the four (4) groundwater monitoring events in 2022. The following summarizes the status of the observed PSH thicknesses:

- In March 2022, PSH was observed in 12 monitor wells: MW-4A, MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33. PSH thickness ranged from 0.01 feet in MW-11 and MW-30 to 4.60 feet in MW-10.
- In June 2022, PSH was observed in 11 monitor wells: MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33. PSH thickness ranged from 0.01 feet in MW-16 and MW-24 to 4.27 feet in MW-10.
- In September 2022, PSH was observed in 11 monitor wells: MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33. PSH thickness ranged from 0.01 feet in MW-16 and MW-24 to 3.90 feet in MW-10.
- In December 2022, PSH was observed in 12 monitor wells: MW-6 through MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, MW-30, MW-32, and MW-33. PSH thicknesses ranged from 0.01 feet in MW-16, MW-24 and MW-33 to 3.26 feet in MW-10.

In addition to potentiometric surface maps, isopleth maps were prepared depicting the measured PSH thicknesses and PSH plume geometry. PSH plume delineation and thickness maps are presented in Appendix A as Figures 3a through 3d. As Figure 3d illustrates, the PSH plume is currently delineated by the current monitor well array.

3.4 Groundwater Analytical Results

During the March 2022 event, groundwater samples were collected from 14 monitor wells: MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41.

- Benzene concentrations were less than the laboratory Method Detection Limits (MDLs) in all wells with the exception of MW-14, which exhibited a concentration of 0.00165 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells sampled during the quarter.
- Toluene concentrations for all sampled wells were less than the laboratory MDLs. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Ethylbenzene concentrations for all sampled wells were less than the laboratory MDLs. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Xylene concentrations for all sampled wells were less than the laboratory MDLs with the exception of MW-14, which exhibited a concentration of 0.00322 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.

During the June 2022 event, groundwater samples were collected from 14 monitor wells: MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41.

- Benzene concentrations ranged from less than the laboratory MDLs in MW-21, MW-22, MW-26, MW-27, MW-29, MW-34 through MW-39 and MW-41 to 0.106 mg/L in MW-40. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-14 and MW-40 which were 0.0160 mg/L and 0.106 mg/L, respectively
- Toluene concentrations ranged from less than the laboratory MDLs in MW-14, MW-26, MW-27, MW-29, and MW-37 through MW-40 to 0.000742 mg/L in MW-41. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Ethylbenzene concentrations in all sampled wells were less than the laboratory MDLs. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Xylene concentrations were less than the laboratory MDLs in all wells except MW-14, which had a concentration of 0.0178 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.

During the September 2022 event, groundwater samples were collected from 14 monitor wells: MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41.

- Benzene concentrations ranged from less than the laboratory MDLs in MW-21, MW-22, MW-26, MW-29, MW-34, MW-36, MW-37, MW-39, and MW-41 to 3.65 mg/L in MW-14. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor well MW-14.
- Toluene concentrations for all sampled wells were less than the laboratory MDLs. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Ethylbenzene concentrations for all sampled wells were less than the laboratory MDLs with the exception of MW-14, which exhibited a concentration of 0.206 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Xylene concentrations for all sampled wells were less than the laboratory MDLs with the exception of MW-14, which exhibited a concentration of 0.193 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor well sampled this quarter.

During the December 2022 event, groundwater samples were collected from 12 monitor wells: MW-21, MW-22, MW-26, MW-29, and MW-34 through MW-41. Wells MW-14 and MW-27 were not sampled due to insufficient water volume.

- Benzene concentrations for all sampled wells were less than the laboratory MDLs in with the exception of MW-29, which exhibited a concentration of 0.000521 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells sampled during the quarter.
- Toluene concentrations for all sampled wells were less than the laboratory MDLs. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater monitoring wells sampled during the quarter.
- Ethylbenzene concentrations for all sampled wells were less the laboratory MDLs. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Xylene concentrations for all sampled wells were less the laboratory MDLs. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled during the quarter.

Laboratory analyses are summarized in Table 2 - Groundwater Analytical Data - Historical in Appendix B. Laboratory analytical data reports and chain of custody documentation for all samples are provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of findings in regards to the four (4) groundwater monitoring events and provides recommendations for future corrective action.

4.1 Summary of Findings

- The groundwater flow direction is to southeast at an approximate gradient of 0.00455 feet per foot.
- Groundwater levels at the subject site have exhibited a steady decrease of approximately 1.62 feet for the year 2022.
- PSH thicknesses have generally decreased during the year 2022.
- 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 40.71 bbls of PSH during 2022.

4.2 Recommendations

Based upon the results of the four (4) quarterly groundwater monitoring events and PSH recovery efforts, Talon proposes the following actions:

- Continue operation and maintenance of the total fluid pumps recovery system.
- Perform groundwater monitoring events in accordance with NMOCD directives.
- Install additional monitor wells to compensate for declining water levels. Proposed well locations are shown on Figure 4 in Appendix A.

APPENDIX A

Figures

Figure 1 - Site Plan
Figure 2a - Groundwater Gradient Map - 03/08/2022
Figure 2b - Groundwater Gradient Map – 06/13-14/2022
Figure 2c - Groundwater Gradient Map – 09/06/2022
Figure 2d - Groundwater Gradient Map – 12/14/2022
Figure 3a - PSH Thickness & Groundwater Concentration Map - 03/08-09/2022
Figure 3b - PSH Thickness & Groundwater Concentration Map – 06/13-16/2022
Figure 3c - PSH Thickness & Groundwater Concentration Map – 09/06-08/2022
Figure 3d - PSH Thickness & Groundwater Concentration Map – 12/14-16/2022
Figure 4- Proposed Well locations

TALON LPE

Drafted: 2/15/2023
1 in = 150 ft
Drafted By: JAI

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: 2/28/2023
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 2a - Groundwater Gradient Map (03/08/2022)

TALON LPE

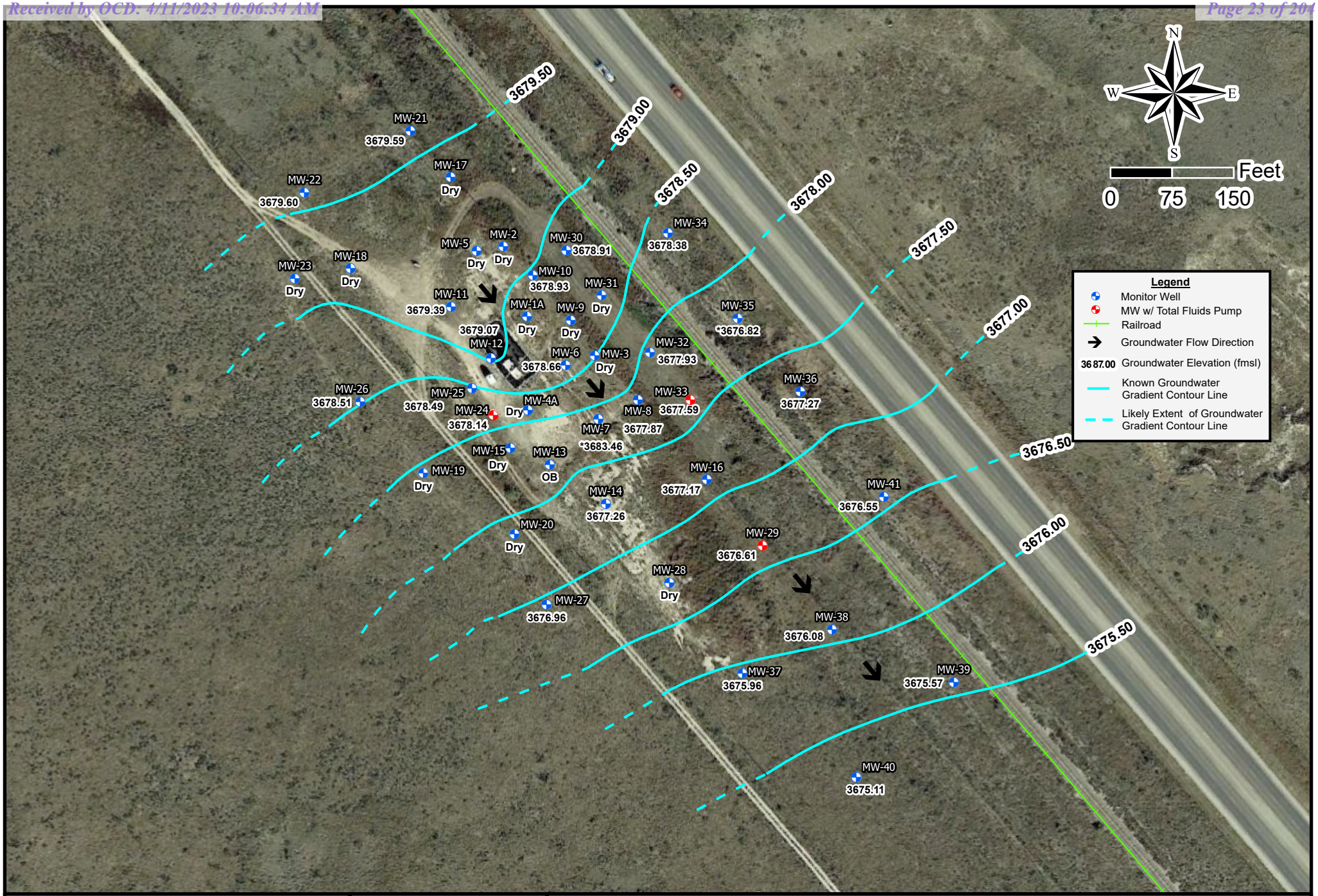
Drafted: 2/28/2023
1 in = 150 ft
Drafted By: IJR

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 (06/13-14/2022)

TALON LPE

Drafted: 2/28/2023
1 in = 150 ft
Drafted By: JAI

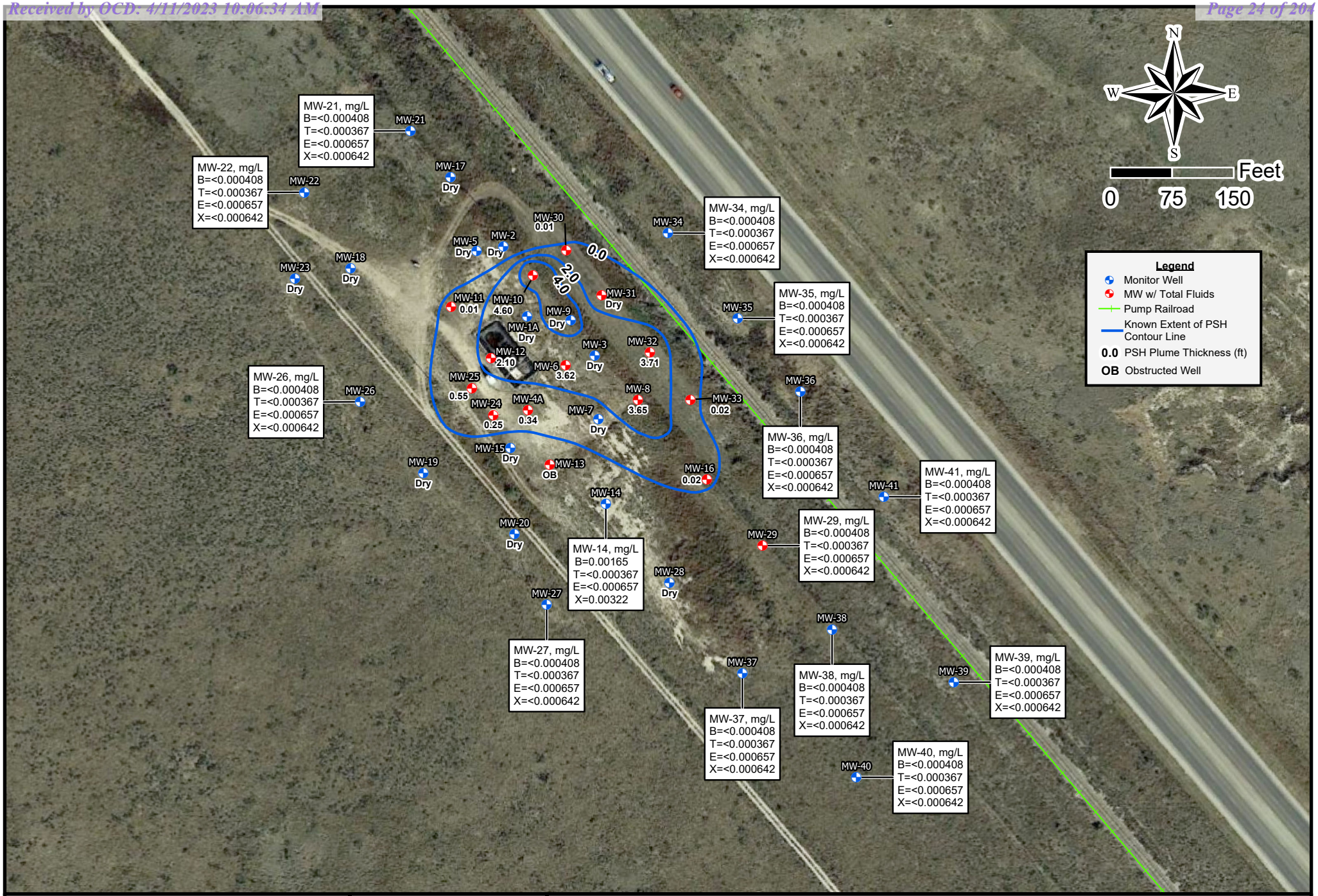
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2c - Groundwater Gradient Map (09/06/2022)



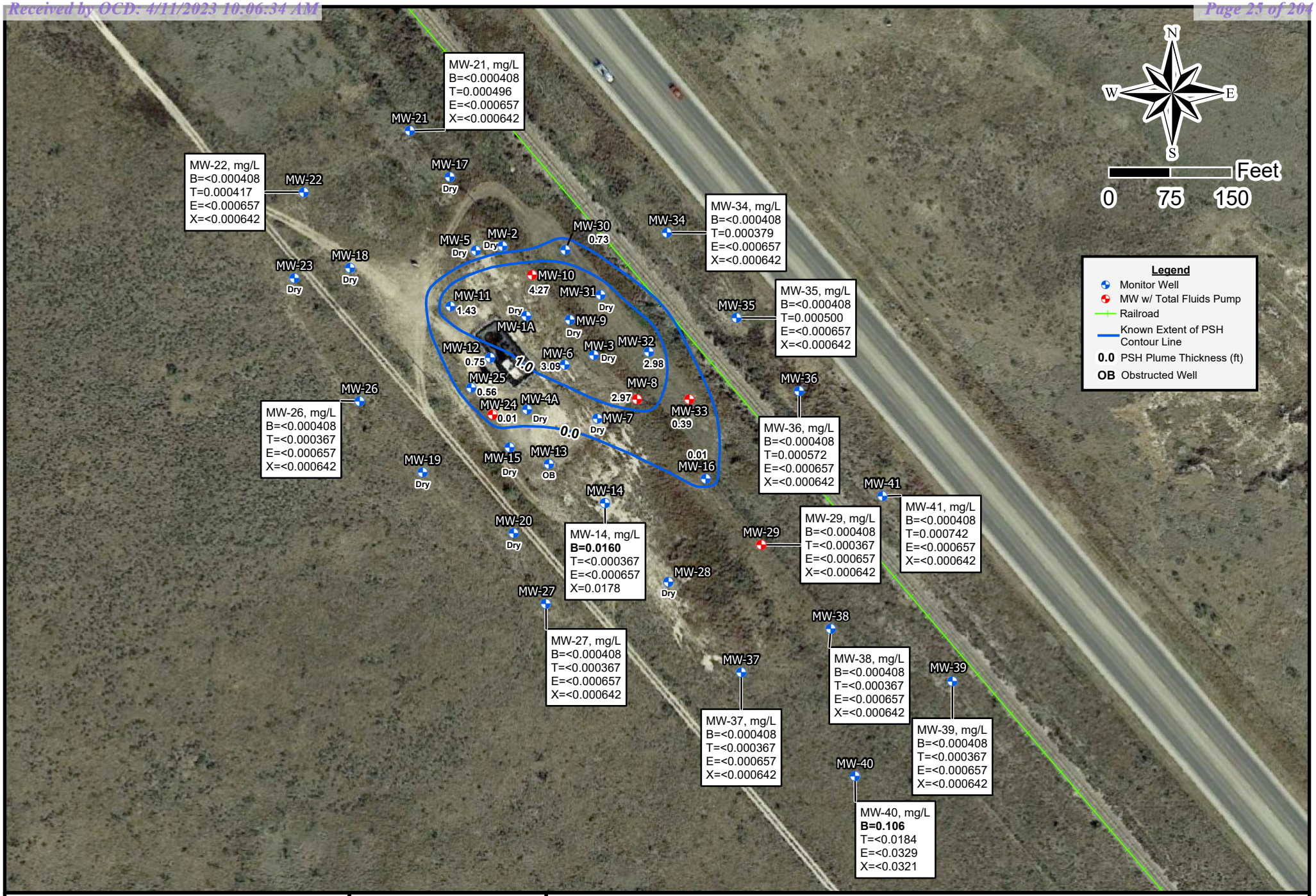
TALON LPE

Drafted: 2/28/2023
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 2d - Groundwater Gradient Map (12/14/2022)



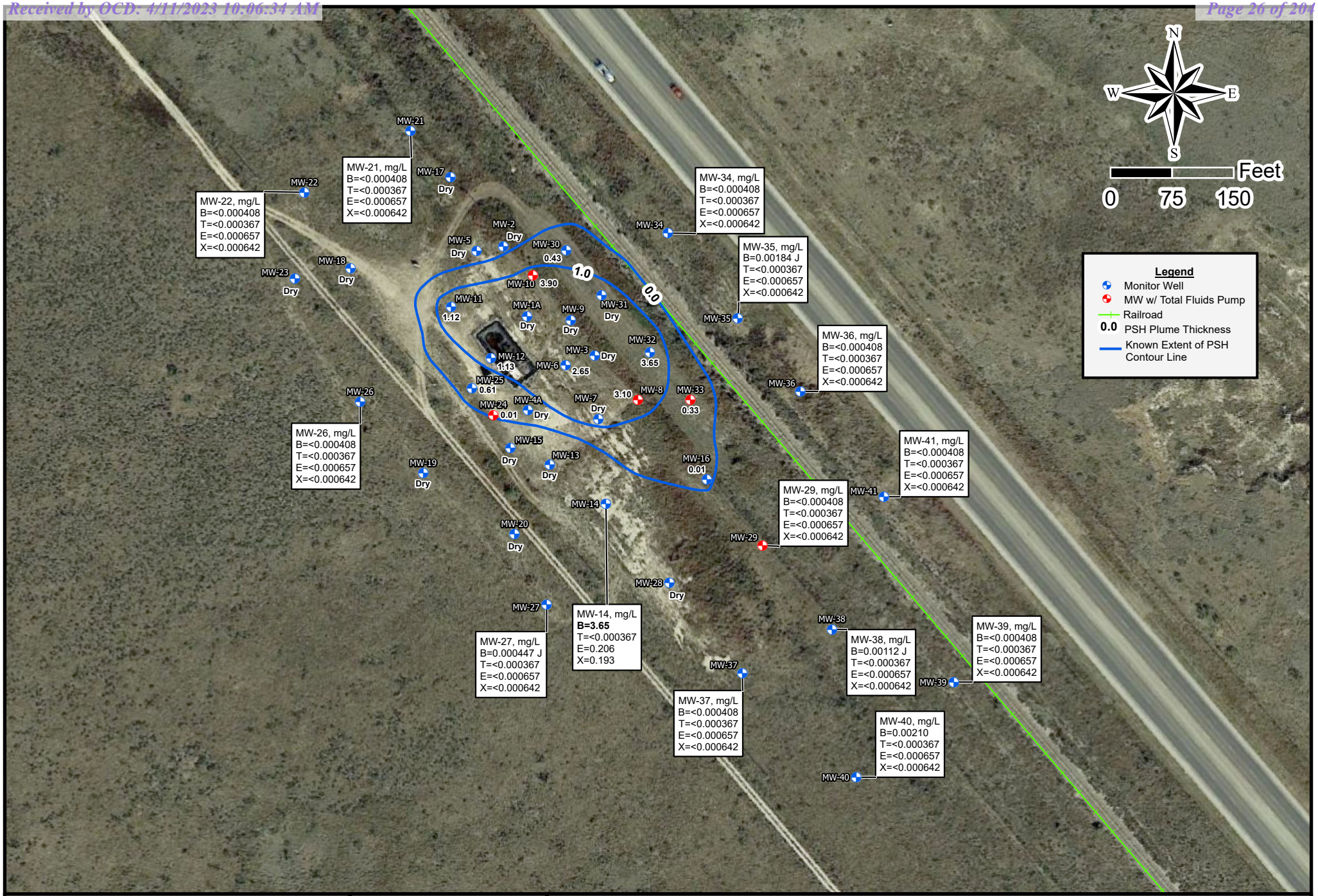
TALON LPE	Drafted: 7/14/2022 1 in = 150 ft Drafted By: IJR	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 3a - PSH Thickness & Groundwater Concentration Map (03/08-09/2022)



TALON LPE

Drafted: 2/24/2023
1 in = 150 ft
Drafted By: IJR

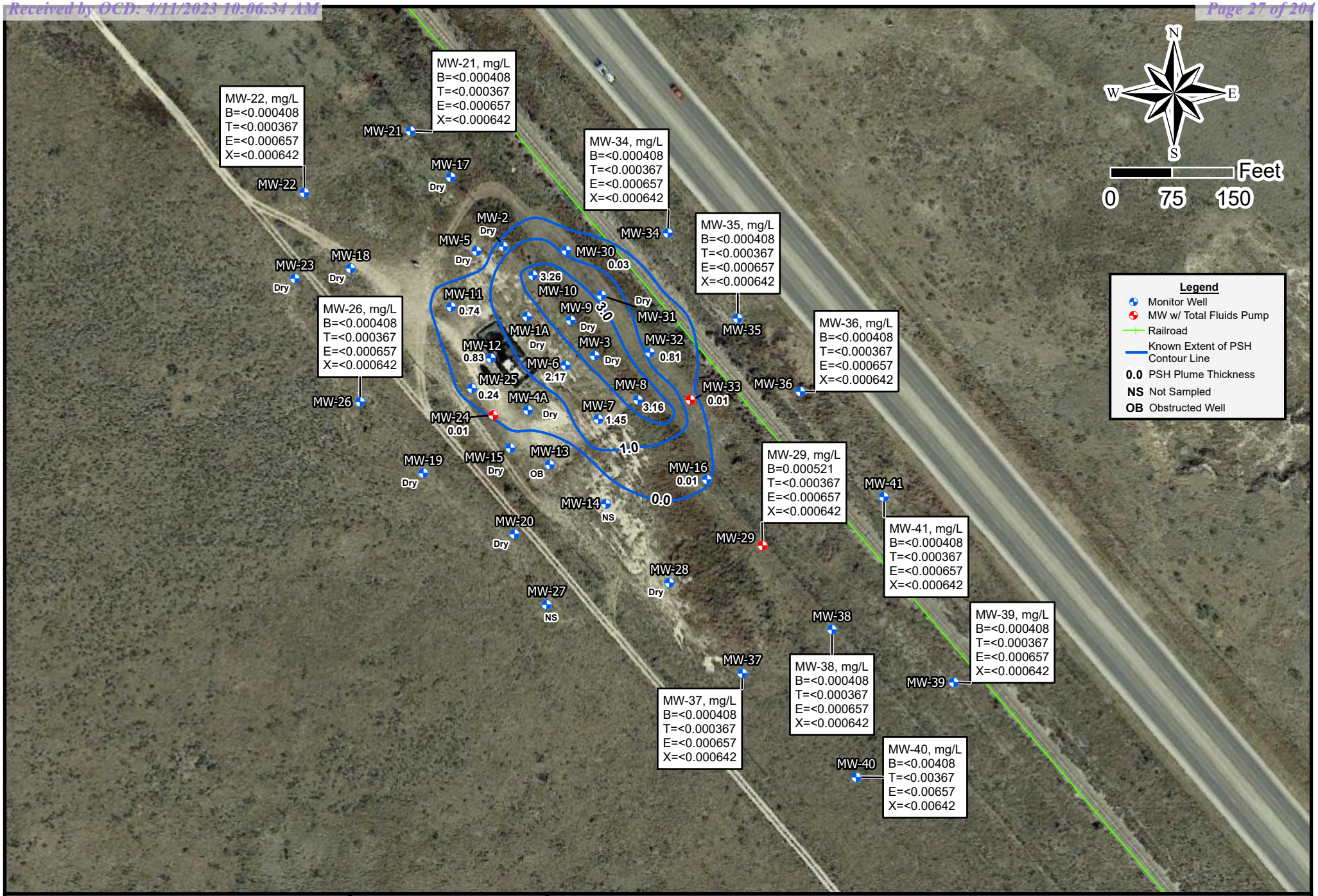
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3b - PSH Thickness & Groundwater Concentration Map (06/13-16/2022)



TALON LPE

Drafted: 12/1/2022
1 in = 150 ft
Drafted By: JAI

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 (09/07-08/2022)



TALON LPE

Drafted: 3/2/2023
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 3d - PSH Thickness & Groundwater Concentration Map (12/14-16/2022)

TALON LPE

Drafted: 2/21/2023

1 in = 150 ft

Drafted By: JAI

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 4 - Proposed Well Locations

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	-	-	-
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	-	-	-

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	-	-	-
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	-	-	-

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	-	-	-
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

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
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

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	-	-	-
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

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
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

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	-	-	-
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

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	-	-	-
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

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	-	-	-
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	-	-	-

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	-	-	-
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	-	-	-

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
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

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	-	-	-
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

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
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

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
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	-	-	-

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
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

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	-	-	-
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

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
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

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
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

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
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

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
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
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

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)
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)
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

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)
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
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

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)
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
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)
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

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)
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
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

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)
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
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

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)
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
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

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)
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
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

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		-	-	-	-	0.007	-	-	-	-	-	-	-	-	-	0.030	-	-
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 America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2060-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #1

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

Attn: David Adkins

JKRAMER

Authorized for release by:
3/21/2022 9:00:36 PM

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

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

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

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

Laboratory Job ID: 890-2060-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-2060-1
SDG: Lea County

Qualifiers

GC VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
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

Job ID: 890-2060-1
SDG: Lea County

Job ID: 890-2060-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2060-1

Receipt

The samples were received on 3/9/2022 3:43 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC VOA

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

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-14

Lab Sample ID: 890-2060-15
Matrix: Water
Date Collected: 03/09/22 09:05
Date Received: 03/09/22 15:43

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00165**	**J**	0.00200	0.000408	mg/L			03/15/22 12:40	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 12:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 12:40	1
m-Xylene & p-Xylene	**0.00322**	**J**	0.00400	0.000629	mg/L			03/15/22 12:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 12:40	1
Xylenes, Total	**0.00322**	**J**	0.00400	0.000642	mg/L			03/15/22 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*		*03/15/22 12:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*03/15/22 12:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00487**		0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-36

Lab Sample ID: 890-2060-16
Matrix: Water
Date Collected: 03/09/22 09:00
Date Received: 03/09/22 15:43

Method: 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			03/15/22 18:50	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 18:50	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 18:50	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 18:50	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 18:50	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*03/15/22 18:50*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/15/22 18:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-41

Lab Sample ID: 890-2060-17
Matrix: Water
Date Collected: 03/09/22 08:30
Date Received: 03/09/22 15:43

Method: 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			03/15/22 19:17	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 19:17	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 19:17	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 19:17	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 19:17	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/15/22 19:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*03/15/22 19:17*	*1*

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-41
Date Collected: 03/09/22 08:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-17
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-35
Date Collected: 03/09/22 09:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-18
Matrix: Water

Method: 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			03/15/22 19:43	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 19:43	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 19:43	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 19:43	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 19:43	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/15/22 19:43*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*03/15/22 19:43*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-37
Date Collected: 03/09/22 09:45
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-19
Matrix: Water

Method: 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			03/15/22 20:09	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 20:09	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 20:09	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 20:09	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 20:09	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*03/15/22 20:09*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/15/22 20:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-34
Date Collected: 03/09/22 10:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-20
Matrix: Water

Method: 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			03/15/22 20:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 20:35	1

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-34

Date Collected: 03/09/22 10:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 20:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 20:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 20:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/15/22 20:35*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*03/15/22 20:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-40

Date Collected: 03/09/22 10:17
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-21
Matrix: Water

Method: 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			03/15/22 21:01	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 21:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 21:01	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 21:01	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 21:01	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*		*03/15/22 21:01*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*		*03/15/22 21:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-39

Date Collected: 03/09/22 10:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-22
Matrix: Water

Method: 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			03/16/22 13:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 13:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 13:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 13:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 13:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*03/16/22 13:44*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*03/16/22 13:44*	*1*

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-39
Date Collected: 03/09/22 10:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-22
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-27
Date Collected: 03/09/22 10:55
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-23
Matrix: Water

Method: 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			03/16/22 14:10	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 14:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 14:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 14:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 14:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*		*03/16/22 14:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/16/22 14:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-29
Date Collected: 03/09/22 11:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-24
Matrix: Water

Method: 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			03/16/22 14:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 14:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 14:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 14:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 14:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*		*03/16/22 14:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/16/22 14:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-38
Date Collected: 03/09/22 11:27
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-25
Matrix: Water

Method: 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			03/16/22 15:03	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 15:03	1

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-38

Date Collected: 03/09/22 11:27
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-25
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 15:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 15:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 15:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*		*03/16/22 15:03*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*		*03/16/22 15:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-26

Date Collected: 03/09/22 11:52
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-26
Matrix: Water

Method: 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			03/16/22 15:30	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 15:30	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 15:30	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 15:30	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 15:30	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*03/16/22 15:30*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*		*03/16/22 15:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-21

Date Collected: 03/09/22 12:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-27
Matrix: Water

Method: 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			03/16/22 15:56	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 15:56	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 15:56	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 15:56	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 15:56	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*03/16/22 15:56*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*		*03/16/22 15:56*	*1*

Client Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-21

Lab Sample ID: 890-2060-27
Date Collected: 03/09/22 12:00
Matrix: Water
Date Received: 03/09/22 15:43

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Client Sample ID: MW-22

Lab Sample ID: 890-2060-28
Date Collected: 03/09/22 12:20
Matrix: Water
Date Received: 03/09/22 15:43

Method: 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			03/16/22 16:23	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 16:23	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 16:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 16:23	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 16:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/16/22 16:23*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*		*03/16/22 16:23*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/15/22 16:36	1

Surrogate Summary

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

Job ID: 890-2060-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-12249-B-1 MS	Matrix Spike	110	71
880-12249-B-1 MSD	Matrix Spike Duplicate	138 S1+	76
890-2060-15	MW-14	144 S1+	99
890-2060-15 MS	MW-14	101	103
890-2060-15 MSD	MW-14	102	96
890-2060-16	MW-36	120	103
890-2060-17	MW-41	114	100
890-2060-18	MW-35	107	90
890-2060-19	MW-37	119	103
890-2060-20	MW-34	108	106
890-2060-21	MW-40	147 S1+	135 S1+
890-2060-22	MW-39	141 S1+	94
890-2060-23	MW-27	153 S1+	102
890-2060-24	MW-29	160 S1+	110
890-2060-25	MW-38	146 S1+	82
890-2060-26	MW-26	121	68 S1-
890-2060-27	MW-21	139 S1+	75
890-2060-28	MW-22	105	62 S1-
LCS 880-21599/3	Lab Control Sample	92	89
LCS 880-21683/3	Lab Control Sample	114	85
LCSD 880-21599/4	Lab Control Sample Dup	104	101
LCSD 880-21683/4	Lab Control Sample Dup	112	79
MB 880-21599/8	Method Blank	61 S1-	94
MB 880-21683/8	Method Blank	64 S1-	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21599/8
Matrix: Water
Analysis Batch: 21599

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			03/15/22 12:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/22 12:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/22 12:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/22 12:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/22 12:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/22 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*		*03/15/22 12:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*03/15/22 12:14*	*1*

Lab Sample ID: LCS 880-21599/3
Matrix: Water
Analysis Batch: 21599

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	0.09287		mg/L		93	70 - 130
Toluene	0.100	0.09555		mg/L		96	70 - 130
Ethylbenzene	0.100	0.09616		mg/L		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1916		mg/L		96	70 - 130
o-Xylene	0.100	0.09661		mg/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-21599/4
Matrix: Water
Analysis Batch: 21599

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	0.1085		mg/L		108	70 - 130	16	20
Toluene	0.100	0.1012		mg/L		101	70 - 130	6	20
Ethylbenzene	0.100	0.1057		mg/L		106	70 - 130	9	20
m-Xylene & p-Xylene	0.200	0.2130		mg/L		106	70 - 130	11	20
o-Xylene	0.100	0.1098		mg/L		110	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-2060-15 MS
Matrix: Water
Analysis Batch: 21599

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00165	J	0.100	0.08739		mg/L		86	70 - 130
Toluene	<0.000367	U	0.100	0.08395		mg/L		84	70 - 130

QC Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

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

Lab Sample ID: 890-2060-15 MS
Matrix: Water
Analysis Batch: 21599

Client Sample ID: MW-14
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	0.08973		mg/L		90	70 - 130
m-Xylene & p-Xylene	0.00322	J	0.200	0.1759		mg/L		86	70 - 130
o-Xylene	<0.000642	U	0.100	0.09008		mg/L		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-2060-15 MSD
Matrix: Water
Analysis Batch: 21599

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00165	J	0.100	0.08585		mg/L		84	70 - 130	2	25
Toluene	<0.000367	U	0.100	0.08689		mg/L		87	70 - 130	3	25
Ethylbenzene	<0.000657	U	0.100	0.09138		mg/L		91	70 - 130	2	25
m-Xylene & p-Xylene	0.00322	J	0.200	0.1780		mg/L		87	70 - 130	1	25
o-Xylene	<0.000642	U	0.100	0.09365		mg/L		94	70 - 130	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-21683/8
Matrix: Water
Analysis Batch: 21683

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			03/16/22 11:57	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/22 11:57	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/22 11:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/22 11:57	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/22 11:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/22 11:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*		*03/16/22 11:57*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*03/16/22 11:57*	*1*

Lab Sample ID: LCS 880-21683/3
Matrix: Water
Analysis Batch: 21683

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	0.1007		mg/L		101	70 - 130
Toluene	0.100	0.08725		mg/L		87	70 - 130
Ethylbenzene	0.100	0.08808		mg/L		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1721		mg/L		86	70 - 130

QC Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

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

Lab Sample ID: LCS 880-21683/3
Matrix: Water
Analysis Batch: 21683

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.09183		mg/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: LCSD 880-21683/4
Matrix: Water
Analysis Batch: 21683

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	0.08326		mg/L		83	70 - 130	19	20
Toluene			0.100	0.09720		mg/L		97	70 - 130	11	20
Ethylbenzene			0.100	0.09386		mg/L		94	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.2060		mg/L		103	70 - 130	18	20
o-Xylene			0.100	0.09950		mg/L		100	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-12249-B-1 MS
Matrix: Water
Analysis Batch: 21683

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 F2	0.100	0.07240		mg/L		72	70 - 130		
Toluene	0.000378	J	0.100	0.08579		mg/L		85	70 - 130		
Ethylbenzene	<0.000657	U	0.100	0.08956		mg/L		90	70 - 130		
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1741		mg/L		87	70 - 130		
o-Xylene	<0.000642	U	0.100	0.08795		mg/L		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: 880-12249-B-1 MSD
Matrix: Water
Analysis Batch: 21683

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 F2	0.100	0.1075	F2	mg/L		108	70 - 130	39	25
Toluene	0.000378	J	0.100	0.1045		mg/L		104	70 - 130	20	25
Ethylbenzene	<0.000657	U	0.100	0.1127		mg/L		113	70 - 130	23	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2194		mg/L		110	70 - 130	23	25
o-Xylene	<0.000642	U	0.100	0.1104		mg/L		110	70 - 130	23	25

QC Sample Results

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

Job ID: 890-2060-1
SDG: Lea County

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

Lab Sample ID: 880-12249-B-1 MSD
Matrix: Water
Analysis Batch: 21683

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*

QC Association Summary

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

Job ID: 890-2060-1
SDG: Lea County

GC VOA

Analysis Batch: 21599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2060-15	MW-14	Total/NA	Water	8021B	
890-2060-16	MW-36	Total/NA	Water	8021B	
890-2060-17	MW-41	Total/NA	Water	8021B	
890-2060-18	MW-35	Total/NA	Water	8021B	
890-2060-19	MW-37	Total/NA	Water	8021B	
890-2060-20	MW-34	Total/NA	Water	8021B	
890-2060-21	MW-40	Total/NA	Water	8021B	
MB 880-21599/8	Method Blank	Total/NA	Water	8021B	
LCS 880-21599/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-21599/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2060-15 MS	MW-14	Total/NA	Water	8021B	
890-2060-15 MSD	MW-14	Total/NA	Water	8021B	

Analysis Batch: 21667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2060-15	MW-14	Total/NA	Water	Total BTEX	
890-2060-16	MW-36	Total/NA	Water	Total BTEX	
890-2060-17	MW-41	Total/NA	Water	Total BTEX	
890-2060-18	MW-35	Total/NA	Water	Total BTEX	
890-2060-19	MW-37	Total/NA	Water	Total BTEX	
890-2060-20	MW-34	Total/NA	Water	Total BTEX	
890-2060-21	MW-40	Total/NA	Water	Total BTEX	
890-2060-22	MW-39	Total/NA	Water	Total BTEX	
890-2060-23	MW-27	Total/NA	Water	Total BTEX	
890-2060-24	MW-29	Total/NA	Water	Total BTEX	
890-2060-25	MW-38	Total/NA	Water	Total BTEX	
890-2060-26	MW-26	Total/NA	Water	Total BTEX	
890-2060-27	MW-21	Total/NA	Water	Total BTEX	
890-2060-28	MW-22	Total/NA	Water	Total BTEX	

Analysis Batch: 21683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2060-22	MW-39	Total/NA	Water	8021B	
890-2060-23	MW-27	Total/NA	Water	8021B	
890-2060-24	MW-29	Total/NA	Water	8021B	
890-2060-25	MW-38	Total/NA	Water	8021B	
890-2060-26	MW-26	Total/NA	Water	8021B	
890-2060-27	MW-21	Total/NA	Water	8021B	
890-2060-28	MW-22	Total/NA	Water	8021B	
MB 880-21683/8	Method Blank	Total/NA	Water	8021B	
LCS 880-21683/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-21683/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-12249-B-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-12249-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Lab Chronicle

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-14
Date Collected: 03/09/22 09:05
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 12:40	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-36
Date Collected: 03/09/22 09:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 18:50	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-41
Date Collected: 03/09/22 08:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 19:17	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-35
Date Collected: 03/09/22 09:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 19:43	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-37
Date Collected: 03/09/22 09:45
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 20:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-34
Date Collected: 03/09/22 10:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 20:35	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Lab Chronicle

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-40
Date Collected: 03/09/22 10:17
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21599	03/15/22 21:01	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-39
Date Collected: 03/09/22 10:30
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 13:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-27
Date Collected: 03/09/22 10:55
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 14:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-29
Date Collected: 03/09/22 11:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 14:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-38
Date Collected: 03/09/22 11:27
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 15:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-26
Date Collected: 03/09/22 11:52
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 15:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Lab Chronicle

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

Job ID: 890-2060-1
SDG: Lea County

Client Sample ID: MW-21

Date Collected: 03/09/22 12:00
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-27

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 15:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Client Sample ID: MW-22

Date Collected: 03/09/22 12:20
Date Received: 03/09/22 15:43

Lab Sample ID: 890-2060-28

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	21683	03/16/22 16:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21667	03/15/22 16:36	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-2060-1
SDG: Lea County

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

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

Job ID: 890-2060-1
SDG: Lea County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 890-2060-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2060-15	MW-14	Water	03/09/22 09:05	03/09/22 15:43
890-2060-16	MW-36	Water	03/09/22 09:00	03/09/22 15:43
890-2060-17	MW-41	Water	03/09/22 08:30	03/09/22 15:43
890-2060-18	MW-35	Water	03/09/22 09:30	03/09/22 15:43
890-2060-19	MW-37	Water	03/09/22 09:45	03/09/22 15:43
890-2060-20	MW-34	Water	03/09/22 10:00	03/09/22 15:43
890-2060-21	MW-40	Water	03/09/22 10:17	03/09/22 15:43
890-2060-22	MW-39	Water	03/09/22 10:30	03/09/22 15:43
890-2060-23	MW-27	Water	03/09/22 10:55	03/09/22 15:43
890-2060-24	MW-29	Water	03/09/22 11:00	03/09/22 15:43
890-2060-25	MW-38	Water	03/09/22 11:27	03/09/22 15:43
890-2060-26	MW-26	Water	03/09/22 11:52	03/09/22 15:43
890-2060-27	MW-21	Water	03/09/22 12:00	03/09/22 15:43
890-2060-28	MW-22	Water	03/09/22 12:20	03/09/22 15:43

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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 2

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

Work Order Comments

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

Project Name:	Moore to Jal #1 (MTJ1)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	R. Bell / M. Gomez	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:	TWM07	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.2	
Total Containers:		Corrected Temperature:	2.0	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-14	GW	3/9/22	9:05	N/A		3		X
MW-36		3/9/22	9:00					
MW-41			8:30					
MW-35			9:30					
MW-37			9:45					
MW-34			10:00					
MW-40			10:17					
MW-39			10:30					
MW-27			10:55					
MW-29			11:00					

890-2060 Chain of Custody

Preservative Codes

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

Sample Comments

Email 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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Matthew Gomez		3 9 22 1543	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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Chain of Custody

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

www.xenco.com Page 2 of 2

Work Order No: _____

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

Work Order Comments

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

Project Name:	Moore to Jal #1 (MTJ1)	Turn Around	Pres. Code
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	R. Bell / M. Gomez	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:	
Cooler Custody Seals:	Yes No N/A		Correction Factor:	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	
Total Containers:			Corrected Temperature:	

ANALYSIS REQUEST

Parameters: BTEX 8021B

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	Sample Comments
MW-38	GW	3/9/22	11:27	N/A		3	X	Email Analyticals to: CJBryant@paalp.com MaOchoa@paalp.com
MW-26			11:52					
MW-21			12:00					
MW-22			12:20					

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Matthew Gomez	Cue Cup	3 9 22 1543			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2419-1
Client Project/Site: Moore to Jal #1 (MTJ1)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
6/29/2022 8:56:29 PM

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

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

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

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

Laboratory Job ID: 890-2419-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-2419-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2419-1

Receipt
The samples were received on 6/15/2022 4:06 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-2419-A-1 MS) and (890-2419-A-1 MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-39 (890-2419-1) and MW-38 (890-2419-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-40 (890-2419-2), MW-14 (890-2419-6), MW-27 (890-2419-7) and MW-26 (890-2419-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-39
Lab Sample ID: 890-2419-1
Date Collected: 06/15/22 10:00
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 02:49	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 02:49	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 02:49	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 02:49	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 02:49	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*06/21/22 02:49*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*06/21/22 02:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-40
Lab Sample ID: 890-2419-2
Date Collected: 06/15/22 14:15
Matrix: Water
Date Received: 06/15/22 16:06

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.106**		0.100	0.0204	mg/L			06/21/22 05:47	50
Toluene	<0.0184	U	0.100	0.0184	mg/L			06/21/22 05:47	50
Ethylbenzene	<0.0329	U	0.100	0.0329	mg/L			06/21/22 05:47	50
m-Xylene & p-Xylene	<0.0315	U	0.200	0.0315	mg/L			06/21/22 05:47	50
o-Xylene	<0.0321	U	0.100	0.0321	mg/L			06/21/22 05:47	50
Xylenes, Total	<0.0321	U	0.200	0.0321	mg/L			06/21/22 05:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*		*06/21/22 05:47*	*50*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*06/21/22 05:47*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.106**	**J**	0.200	0.0329	mg/L			06/21/22 10:44	1

Client Sample ID: MW-38
Lab Sample ID: 890-2419-3
Date Collected: 06/15/22 13:48
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 03:15	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 03:15	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 03:15	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 03:15	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 03:15	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*		*06/21/22 03:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*06/21/22 03:15*	*1*

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Client Sample Results

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-38
Lab Sample ID: 890-2419-3
Date Collected: 06/15/22 13:48
Matrix: Water
Date Received: 06/15/22 16:06

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-29
Lab Sample ID: 890-2419-4
Date Collected: 06/15/22 12:30
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 03:40	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 03:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 03:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 03:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 03:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*06/21/22 03:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*06/21/22 03:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-37
Lab Sample ID: 890-2419-5
Date Collected: 06/15/22 13:18
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 04:05	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 04:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 04:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 04:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 04:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*06/21/22 04:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*06/21/22 04:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-14
Lab Sample ID: 890-2419-6
Date Collected: 06/15/22 12:50
Matrix: Water
Date Received: 06/15/22 16:06

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0160**		0.00200	0.000408	mg/L			06/21/22 05:22	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 05:22	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-14
Lab Sample ID: 890-2419-6
Date Collected: 06/15/22 12:50
Matrix: Water
Date Received: 06/15/22 16:06

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 05:22	1
m-Xylene & p-Xylene	**0.0178**		0.00400	0.000629	mg/L			06/21/22 05:22	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 05:22	1
Xylenes, Total	**0.0178**		0.00400	0.000642	mg/L			06/21/22 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*		*06/21/22 05:22*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*06/21/22 05:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0338**		0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-27
Lab Sample ID: 890-2419-7
Date Collected: 06/15/22 12:20
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 04:31	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 04:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 04:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 04:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 04:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*06/21/22 04:31*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*06/21/22 04:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-26
Lab Sample ID: 890-2419-8
Date Collected: 06/15/22 11:58
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 04:56	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 04:56	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 04:56	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 04:56	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 04:56	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*		*06/21/22 04:56*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*06/21/22 04:56*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-26
Lab Sample ID: 890-2419-8
Date Collected: 06/15/22 11:58
Matrix: Water
Date Received: 06/15/22 16:06

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-22
Lab Sample ID: 890-2419-9
Date Collected: 06/15/22 11:15
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 12:09	1
Toluene	**0.000417**	**J**	0.00200	0.000367	mg/L			06/21/22 12:09	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 12:09	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 12:09	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 12:09	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/21/22 12:09*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*06/21/22 12:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Client Sample ID: MW-21
Lab Sample ID: 890-2419-10
Date Collected: 06/15/22 11:10
Matrix: Water
Date Received: 06/15/22 16:06

Method: 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			06/21/22 12:29	1
Toluene	**0.000496**	**J**	0.00200	0.000367	mg/L			06/21/22 12:29	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 12:29	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 12:29	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 12:29	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/21/22 12:29*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*06/21/22 12:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 10:44	1

Surrogate Summary

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

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)										
890-2419-1	MW-39	141 S1+	98										
890-2419-1 MS	MW-39	131 S1+	98										
890-2419-1 MSD	MW-39	139 S1+	106										
890-2419-2	MW-40	138 S1+	92										
890-2419-3	MW-38	140 S1+	101										
890-2419-4	MW-29	102	100										
890-2419-5	MW-37	125	93										
890-2419-6	MW-14	149 S1+	95										
890-2419-7	MW-27	131 S1+	91										
890-2419-8	MW-26	133 S1+	93										
890-2419-9	MW-22	105	100										
890-2419-9 MS	MW-22	99	97										
890-2419-9 MSD	MW-22	96	101										
890-2419-10	MW-21	95	97										
LCS 880-27881/34	Lab Control Sample	103	94										
LCS 880-28003/3	Lab Control Sample	95	100										
LCSD 880-27881/35	Lab Control Sample Dup	127	96										
LCSD 880-28003/4	Lab Control Sample Dup	96	98										
MB 880-27836/5-A	Method Blank	93	89										
MB 880-27881/39	Method Blank	97	87										
MB 880-28003/8	Method Blank	94	99										

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: 890-2419-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27836/5-A
Matrix: Water
Analysis Batch: 27881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L		06/17/22 16:16	06/20/22 12:57	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L		06/17/22 16:16	06/20/22 12:57	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L		06/17/22 16:16	06/20/22 12:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L		06/17/22 16:16	06/20/22 12:57	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L		06/17/22 16:16	06/20/22 12:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L		06/17/22 16:16	06/20/22 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/17/22 16:16*	*06/20/22 12:57*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/17/22 16:16*	*06/20/22 12:57*	*1*

Lab Sample ID: MB 880-27881/39
Matrix: Water
Analysis Batch: 27881

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			06/21/22 02:24	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 02:24	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 02:24	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 02:24	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 02:24	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 02:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/21/22 02:24*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*06/21/22 02:24*	*1*

Lab Sample ID: LCS 880-27881/34
Matrix: Water
Analysis Batch: 27881

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	0.08703		mg/L		87	70 - 130
Toluene	0.100	0.08921		mg/L		89	70 - 130
Ethylbenzene	0.100	0.09521		mg/L		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1873		mg/L		94	70 - 130
o-Xylene	0.100	0.09385		mg/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-27881/35
Matrix: Water
Analysis Batch: 27881

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	0.08987		mg/L		90	70 - 130	3	20

QC Sample Results

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

Job ID: 890-2419-1

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

Lab Sample ID: LCSD 880-27881/35
Matrix: Water
Analysis Batch: 27881

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	0.09108		mg/L		91	70 - 130	2	20
Ethylbenzene			0.100	0.09636		mg/L		96	70 - 130	1	20
m-Xylene & p-Xylene			0.200	0.1918		mg/L		96	70 - 130	2	20
o-Xylene			0.100	0.09599		mg/L		96	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-2419-1 MS
Matrix: Water
Analysis Batch: 27881

Client Sample ID: MW-39
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2419-1 MSD
Matrix: Water
Analysis Batch: 27881

Client Sample ID: MW-39
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 880-28003/8
Matrix: Water
Analysis Batch: 28003

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			06/21/22 11:40	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 11:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 11:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 11:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 11:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/21/22 11:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*06/21/22 11:40*	*1*

Lab Sample ID: LCS 880-28003/3
Matrix: Water
Analysis Batch: 28003

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	0.08661		mg/L		87	70 - 130
Toluene			0.100	0.08510		mg/L		85	70 - 130

QC Sample Results

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

Job ID: 890-2419-1

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

Lab Sample ID: LCS 880-28003/3
Matrix: Water
Analysis Batch: 28003

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ethylbenzene			0.100	0.08949		mg/L		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1783		mg/L		89	70 - 130		
o-Xylene			0.100	0.09687		mg/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-28003/4
Matrix: Water
Analysis Batch: 28003

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	0.08549		mg/L		85	70 - 130	1	20
Toluene			0.100	0.08538		mg/L		85	70 - 130	0	20
Ethylbenzene			0.100	0.08866		mg/L		89	70 - 130	1	20
m-Xylene & p-Xylene			0.200	0.1773		mg/L		89	70 - 130	1	20
o-Xylene			0.100	0.09627		mg/L		96	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2419-9 MS
Matrix: Water
Analysis Batch: 28003

Client Sample ID: MW-22
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	0.08460		mg/L		85	70 - 130		
Toluene	0.000417	J	0.100	0.09258		mg/L		92	70 - 130		
Ethylbenzene	<0.000657	U	0.100	0.09712		mg/L		97	70 - 130		
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1958		mg/L		98	70 - 130		
o-Xylene	<0.000642	U	0.100	0.1073		mg/L		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-2419-9 MSD
Matrix: Water
Analysis Batch: 28003

Client Sample ID: MW-22
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	0.08833		mg/L		88	70 - 130	4	25
Toluene	0.000417	J	0.100	0.08480		mg/L		84	70 - 130	9	25
Ethylbenzene	<0.000657	U	0.100	0.08966		mg/L		90	70 - 130	8	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1790		mg/L		90	70 - 130	9	25
o-Xylene	<0.000642	U	0.100	0.09776		mg/L		98	70 - 130	9	25

QC Sample Results

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

QC Association Summary

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

Job ID: 890-2419-1

GC VOA

Prep Batch: 27836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27836/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 27881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2419-1	MW-39	Total/NA	Water	8021B	
890-2419-2	MW-40	Total/NA	Water	8021B	
890-2419-3	MW-38	Total/NA	Water	8021B	
890-2419-4	MW-29	Total/NA	Water	8021B	
890-2419-5	MW-37	Total/NA	Water	8021B	
890-2419-6	MW-14	Total/NA	Water	8021B	
890-2419-7	MW-27	Total/NA	Water	8021B	
890-2419-8	MW-26	Total/NA	Water	8021B	
MB 880-27836/5-A	Method Blank	Total/NA	Water	8021B	27836
MB 880-27881/39	Method Blank	Total/NA	Water	8021B	
LCS 880-27881/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-27881/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2419-1 MS	MW-39	Total/NA	Water	8021B	
890-2419-1 MSD	MW-39	Total/NA	Water	8021B	

Analysis Batch: 28003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2419-9	MW-22	Total/NA	Water	8021B	
890-2419-10	MW-21	Total/NA	Water	8021B	
MB 880-28003/8	Method Blank	Total/NA	Water	8021B	
LCS 880-28003/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-28003/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2419-9 MS	MW-22	Total/NA	Water	8021B	
890-2419-9 MSD	MW-22	Total/NA	Water	8021B	

Analysis Batch: 28038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2419-1	MW-39	Total/NA	Water	Total BTEX	
890-2419-2	MW-40	Total/NA	Water	Total BTEX	
890-2419-3	MW-38	Total/NA	Water	Total BTEX	
890-2419-4	MW-29	Total/NA	Water	Total BTEX	
890-2419-5	MW-37	Total/NA	Water	Total BTEX	
890-2419-6	MW-14	Total/NA	Water	Total BTEX	
890-2419-7	MW-27	Total/NA	Water	Total BTEX	
890-2419-8	MW-26	Total/NA	Water	Total BTEX	
890-2419-9	MW-22	Total/NA	Water	Total BTEX	
890-2419-10	MW-21	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-39
Lab Sample ID: 890-2419-1
Date Collected: 06/15/22 10:00
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 02:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-40
Lab Sample ID: 890-2419-2
Date Collected: 06/15/22 14:15
Matrix: Water
Date Received: 06/15/22 16:06

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		50			27881	06/21/22 05:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-38
Lab Sample ID: 890-2419-3
Date Collected: 06/15/22 13:48
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 03:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-29
Lab Sample ID: 890-2419-4
Date Collected: 06/15/22 12:30
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 03:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-37
Lab Sample ID: 890-2419-5
Date Collected: 06/15/22 13:18
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 04:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-14
Lab Sample ID: 890-2419-6
Date Collected: 06/15/22 12:50
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 05:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-2419-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-27
Lab Sample ID: 890-2419-7
Date Collected: 06/15/22 12:20
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 04:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-26
Lab Sample ID: 890-2419-8
Date Collected: 06/15/22 11:58
Matrix: Water
Date Received: 06/15/22 16:06

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			27881	06/21/22 04:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-22
Lab Sample ID: 890-2419-9
Date Collected: 06/15/22 11:15
Matrix: Water
Date Received: 06/15/22 16:06

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	28003	06/21/22 12:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Client Sample ID: MW-21
Lab Sample ID: 890-2419-10
Date Collected: 06/15/22 11:10
Matrix: Water
Date Received: 06/15/22 16:06

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	28003	06/21/22 12:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28038	06/21/22 10:44	SM	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2419-1
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	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE

Job ID: 890-2419-1

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

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 890-2419-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2419-1	MW-39	Water	06/15/22 10:00	06/15/22 16:06
890-2419-2	MW-40	Water	06/15/22 14:15	06/15/22 16:06
890-2419-3	MW-38	Water	06/15/22 13:48	06/15/22 16:06
890-2419-4	MW-29	Water	06/15/22 12:30	06/15/22 16:06
890-2419-5	MW-37	Water	06/15/22 13:18	06/15/22 16:06
890-2419-6	MW-14	Water	06/15/22 12:50	06/15/22 16:06
890-2419-7	MW-27	Water	06/15/22 12:20	06/15/22 16:06
890-2419-8	MW-26	Water	06/15/22 11:58	06/15/22 16:06
890-2419-9	MW-22	Water	06/15/22 11:15	06/15/22 16:06
890-2419-10	MW-21	Water	06/15/22 11:10	06/15/22 16:06

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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

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	Pres. Code
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, K Taylor	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:	TMH-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.2
Total Containers:		Corrected Temperature:	2.0

ANALYSIS REQUEST

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	6/15/22	10:00	N/A		3	X
MW-40			2:15				
MW-38			1:48				
MW-29			12:30				
MW-37			1:18				
MW-14			12:50				
MW-27			12:20				
MW-26			11:58				
MW-22			11:15				
MW-21			11:10				

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	Amanda Stuff	6/15/22 1602			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-796 1
Client Contact: Shipping/Receiving	Phone.	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2419-1
Address: 1211 W Florida Ave	Due Date Requested: 6/21/2022			
City: Midland	TAT Requested (days)			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1 (MTJ1)	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-39 (890-2419-1)	6/15/22	10 00 Mountain		Water			X	X	3	
MW-40 (890-2419-2)	6/15/22	14 15 Mountain		Water			X	X	3	
MW-38 (890-2419-3)	6/15/22	13 48 Mountain		Water			X	X	3	
MW-29 (890-2419-4)	6/15/22	12 30 Mountain		Water			X	X	3	
MW-37 (890-2419-5)	6/15/22	13 18 Mountain		Water			X	X	3	
MW-14 (890-2419-6)	6/15/22	12 50 Mountain		Water			X	X	3	
MW-27 (890-2419-7)	6/15/22	12 20 Mountain		Water			X	X	3	
MW-26 (890-2419-8)	6/15/22	11 58 Mountain		Water			X	X	3	
MW-22 (890-2419-9)	6/15/22	11 15 Mountain		Water			X	X	3	

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

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

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver: 06/08/2021

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-796 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2419-1
Address: 1211 W Florida Ave	Due Date Requested: 6/21/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1 (MTJ1)	Project #: 89000047			
Site	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6030B BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note
			Preservation Code:							
MW-21 (890-2419-10)	6/15/22	11 10 Mountain		Water			X	X	3	

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

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

Empty Kit Relinquished by	Date	Time	Method of Shipment.

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Clare					
2						
3						

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

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2419-1

Login Number: 2419 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Stutzman, Amanda

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2419-1

Login Number: 2419 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 06/17/22 11:01 AM**
Creator: Teel, Brianna

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2424-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore to Jal #1 (MTJ1)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
6/29/2022 8:57:54 PM

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

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

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

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

Laboratory Job ID: 890-2424-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-2424-1
SDG: Lea County NM

Qualifiers

GC VOA

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

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: 890-2424-1
SDG: Lea County NM

Job ID: 890-2424-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2424-1

Receipt

The samples were received on 6/16/2022 3:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°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
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-2424-1
SDG: Lea County NM

Client Sample ID: MW-34

Lab Sample ID: 890-2424-1
Matrix: Water
Date Collected: 06/16/22 11:00
Date Received: 06/16/22 15:23

Method: 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			06/21/22 13:31	1
Toluene	**0.000379**	**J**	0.00200	0.000367	mg/L			06/21/22 13:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 13:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 13:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 13:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/21/22 13:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*06/21/22 13:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 16:54	1

Client Sample ID: MW-35

Lab Sample ID: 890-2424-2
Matrix: Water
Date Collected: 06/16/22 12:00
Date Received: 06/16/22 15:23

Method: 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			06/21/22 13:51	1
Toluene	**0.000500**	**J**	0.00200	0.000367	mg/L			06/21/22 13:51	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 13:51	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 13:51	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 13:51	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/21/22 13:51*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*06/21/22 13:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 16:54	1

Client Sample ID: MW-36

Lab Sample ID: 890-2424-3
Matrix: Water
Date Collected: 06/16/22 13:00
Date Received: 06/16/22 15:23

Method: 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			06/21/22 14:12	1
Toluene	**0.000572**	**J**	0.00200	0.000367	mg/L			06/21/22 14:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 14:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 14:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 14:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/21/22 14:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*06/21/22 14:12*	*1*

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-2424-1
SDG: Lea County NM

Client Sample ID: MW-36

Date Collected: 06/16/22 13:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-3
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			06/21/22 16:54	1

Client Sample ID: MW-41

Date Collected: 06/16/22 14:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-4
Matrix: Water

Method: 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			06/21/22 17:04	1
Toluene	**0.000742**	**J**	0.00200	0.000367	mg/L			06/21/22 17:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 17:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 17:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 17:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*06/21/22 17:04*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*06/21/22 17:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000742**	**J**	0.00400	0.000657	mg/L			06/21/22 16:54	1

Surrogate Summary

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

Job ID: 890-2424-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-2424-1	MW-34	95	100								
890-2424-2	MW-35	95	96								
890-2424-3	MW-36	97	100								
890-2424-4	MW-41	106	102								
LCS 880-28003/3	Lab Control Sample	95	100								
LCSD 880-28003/4	Lab Control Sample Dup	96	98								
MB 880-28003/8	Method Blank	94	99								

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: 890-2424-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28003/8
Matrix: Water
Analysis Batch: 28003

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			06/21/22 11:40	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/21/22 11:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/21/22 11:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/21/22 11:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/21/22 11:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/21/22 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*06/21/22 11:40*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*06/21/22 11:40*	*1*

Lab Sample ID: LCS 880-28003/3
Matrix: Water
Analysis Batch: 28003

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	0.08661		mg/L		87	70 - 130		
Toluene			0.100	0.08510		mg/L		85	70 - 130		
Ethylbenzene			0.100	0.08949		mg/L		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1783		mg/L		89	70 - 130		
o-Xylene			0.100	0.09687		mg/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-28003/4
Matrix: Water
Analysis Batch: 28003

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	0.08549		mg/L		85	70 - 130	1	20
Toluene			0.100	0.08538		mg/L		85	70 - 130	0	20
Ethylbenzene			0.100	0.08866		mg/L		89	70 - 130	1	20
m-Xylene & p-Xylene			0.200	0.1773		mg/L		89	70 - 130	1	20
o-Xylene			0.100	0.09627		mg/L		96	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Association Summary

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

Job ID: 890-2424-1
SDG: Lea County NM

GC VOA

Analysis Batch: 28003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2424-1	MW-34	Total/NA	Water	8021B	
890-2424-2	MW-35	Total/NA	Water	8021B	
890-2424-3	MW-36	Total/NA	Water	8021B	
890-2424-4	MW-41	Total/NA	Water	8021B	
MB 880-28003/8	Method Blank	Total/NA	Water	8021B	
LCS 880-28003/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-28003/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 28081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2424-1	MW-34	Total/NA	Water	Total BTEX	
890-2424-2	MW-35	Total/NA	Water	Total BTEX	
890-2424-3	MW-36	Total/NA	Water	Total BTEX	
890-2424-4	MW-41	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 890-2424-1
SDG: Lea County NM

Client Sample ID: MW-34
Date Collected: 06/16/22 11:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28003	06/21/22 13:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28081	06/21/22 16:54	SM	XEN MID

Client Sample ID: MW-35
Date Collected: 06/16/22 12:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28003	06/21/22 13:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28081	06/21/22 16:54	SM	XEN MID

Client Sample ID: MW-36
Date Collected: 06/16/22 13:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28003	06/21/22 14:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28081	06/21/22 16:54	SM	XEN MID

Client Sample ID: MW-41
Date Collected: 06/16/22 14:00
Date Received: 06/16/22 15:23

Lab Sample ID: 890-2424-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	28003	06/21/22 17:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28081	06/21/22 16:54	SM	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-2424-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

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

Job ID: 890-2424-1
SDG: Lea County NM

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins 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: 890-2424-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2424-1	MW-34	Water	06/16/22 11:00	06/16/22 15:23
890-2424-2	MW-35	Water	06/16/22 12:00	06/16/22 15:23
890-2424-3	MW-36	Water	06/16/22 13:00	06/16/22 15:23
890-2424-4	MW-41	Water	06/16/22 14:00	06/16/22 15:23

Chain of Custody

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

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

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	☑ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:	Lea, County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	M. Gomez		
PO #:	SRS# 2002-10270		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.6
Total Containers:		Corrected Temperature:	1.4

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_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-34	GW	6/16/22	11:00	N/A		3	X
MW-35	"	"	12:00	"		"	"
MW-36	"	"	1:00	"		"	"
MW-41	"	"	2:00	"		"	"

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	Amanda Estuf	6/16/22 15:23			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2424-1
SDG Number: Lea County NM

Login Number: 2424
List Number: 1
Creator: Stutzman, Amanda

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: 890-2424-1
SDG Number: Lea County NM

Login Number: 2424
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/20/22 08:19 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2890-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #1 (MTJ1)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
9/19/2022 11:49:33 AM

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

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

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

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

Laboratory Job ID: 890-2890-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-2890-1
SDG: Lea County

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

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

Job ID: 890-2890-1
SDG: Lea County

Job ID: 890-2890-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2890-1

Receipt
The samples were received on 9/7/2022 2:57 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-14 (890-2890-1). Evidence of matrix interferences is not obvious.

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

Client Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

Client Sample ID: MW-14

Lab Sample ID: 890-2890-1
Matrix: Water
Date Collected: 09/07/22 10:05
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3.65**		1.00	0.204	mg/L			09/16/22 17:29	500
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 17:55	1
Ethylbenzene	**0.206**		0.00200	0.000657	mg/L			09/14/22 17:55	1
m-Xylene & p-Xylene	**0.193**		0.00400	0.000629	mg/L			09/14/22 17:55	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 17:55	1
Xylenes, Total	**0.193**		0.00400	0.000642	mg/L			09/14/22 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*		*09/14/22 17:55*	*1*
1,4-Difluorobenzene (Surr)	*329*	*S1+*	*70 - 130*		*09/14/22 17:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**4.05**		0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-37

Lab Sample ID: 890-2890-2
Matrix: Water
Date Collected: 09/07/22 10:49
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 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			09/16/22 13:40	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/16/22 13:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/16/22 13:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/16/22 13:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/16/22 13:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/16/22 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*09/16/22 13:40*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*		*09/16/22 13:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-35

Lab Sample ID: 890-2890-3
Matrix: Water
Date Collected: 09/07/22 10:28
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00184**	**J**	0.00200	0.000408	mg/L			09/14/22 18:47	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 18:47	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 18:47	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 18:47	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 18:47	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 18:47	1

Eurofins Carlsbad

Client Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

Client Sample ID: MW-35

Lab Sample ID: 890-2890-3
Matrix: Water
Date Collected: 09/07/22 10:28
Date Received: 09/07/22 14:57
Sample Depth: N/A

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		09/14/22 18:47	1
1,4-Difluorobenzene (Surr)	104		70 - 130		09/14/22 18:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00184	J	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-38

Lab Sample ID: 890-2890-4
Matrix: Water
Date Collected: 09/07/22 11:45
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00112	J	0.00200	0.000408	mg/L			09/14/22 19:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 19:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 19:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 19:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 19:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130		09/14/22 19:12	1
1,4-Difluorobenzene (Surr)	115		70 - 130		09/14/22 19:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00112	J	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-27

Lab Sample ID: 890-2890-5
Matrix: Water
Date Collected: 09/07/22 12:24
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000447	J	0.00200	0.000408	mg/L			09/14/22 19:38	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 19:38	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 19:38	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 19:38	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 19:38	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		09/14/22 19:38	1
1,4-Difluorobenzene (Surr)	117		70 - 130		09/14/22 19:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

Client Sample ID: MW-22

Lab Sample ID: 890-2890-6
Matrix: Water
Date Collected: 09/07/22 13:15
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 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			09/14/22 20:03	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 20:03	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 20:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 20:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 20:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*09/14/22 20:03*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*09/14/22 20:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-34

Lab Sample ID: 890-2890-7
Matrix: Water
Date Collected: 09/07/22 13:20
Date Received: 09/07/22 14:57
Sample Depth: N/A

Method: 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			09/14/22 20:29	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 20:29	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 20:29	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 20:29	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 20:29	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*09/14/22 20:29*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*09/14/22 20:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Surrogate Summary

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

Job ID: 890-2890-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2890-1	MW-14	149 S1+	329 S1+
890-2890-2	MW-37	103	82
890-2890-2 MS	MW-37	101	95
890-2890-2 MSD	MW-37	128	99
890-2890-3	MW-35	93	104
890-2890-3 MS	MW-35	92	102
890-2890-3 MSD	MW-35	94	109
890-2890-4	MW-38	112	115
890-2890-5	MW-27	105	117
890-2890-6	MW-22	89	108
890-2890-7	MW-34	88	105
LCS 880-34492/3	Lab Control Sample	98	112
LCS 880-34643/3	Lab Control Sample	119	103
LCSD 880-34643/4	Lab Control Sample Dup	103	98
MB 880-34492/8	Method Blank	66 S1-	92
MB 880-34643/8	Method Blank	74	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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		
LCSD 880-34492/4	Lab Control Sample Dup		

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: 890-2890-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34492/8
Matrix: Water
Analysis Batch: 34492

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			09/14/22 17:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 17:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 17:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 17:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 17:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 17:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*		*09/14/22 17:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*09/14/22 17:04*	*1*

Lab Sample ID: LCS 880-34492/3
Matrix: Water
Analysis Batch: 34492

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	0.09661		mg/L		97	70 - 130		
Toluene			0.100	0.09243		mg/L		92	70 - 130		
Ethylbenzene			0.100	0.08895		mg/L		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1831		mg/L		92	70 - 130		
o-Xylene			0.100	0.08946		mg/L		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-34492/4
Matrix: Water
Analysis Batch: 34492

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	0.08593		mg/L					
Toluene			0.100	0.08169		mg/L					
Ethylbenzene			0.100	0.08309		mg/L					
m-Xylene & p-Xylene			0.200	0.1710		mg/L					
o-Xylene			0.100	0.08415		mg/L					

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

Lab Sample ID: 890-2890-3 MS
Matrix: Water
Analysis Batch: 34492

Client Sample ID: MW-35
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.00184	J	0.100	0.08668		mg/L		85	70 - 130		
Toluene	<0.000367	U	0.100	0.08088		mg/L		81	70 - 130		

QC Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

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

Lab Sample ID: 890-2890-3 MS
Matrix: Water
Analysis Batch: 34492

Client Sample ID: MW-35
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	0.07467		mg/L		75	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1623		mg/L		81	70 - 130
o-Xylene	<0.000642	U	0.100	0.08102		mg/L		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-2890-3 MSD
Matrix: Water
Analysis Batch: 34492

Client Sample ID: MW-35
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00184	J	0.100	0.08621		mg/L		84	70 - 130	1	25
Toluene	<0.000367	U	0.100	0.07884		mg/L		79	70 - 130	3	25
Ethylbenzene	<0.000657	U	0.100	0.07597		mg/L		76	70 - 130	2	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1551		mg/L		78	70 - 130	5	25
o-Xylene	<0.000642	U	0.100	0.07904		mg/L		79	70 - 130	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: MB 880-34643/8
Matrix: Water
Analysis Batch: 34643

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			09/16/22 13:14	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/16/22 13:14	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/16/22 13:14	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/16/22 13:14	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/16/22 13:14	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/16/22 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*		*09/16/22 13:14*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*09/16/22 13:14*	*1*

Lab Sample ID: LCS 880-34643/3
Matrix: Water
Analysis Batch: 34643

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	0.08968		mg/L		90	70 - 130
Toluene	0.100	0.09012		mg/L		90	70 - 130
Ethylbenzene	0.100	0.1105		mg/L		110	70 - 130
m-Xylene & p-Xylene	0.200	0.1796		mg/L		90	70 - 130

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QC Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

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

Lab Sample ID: LCS 880-34643/3
Matrix: Water
Analysis Batch: 34643

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.08973		mg/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-34643/4
Matrix: Water
Analysis Batch: 34643

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	0.09118		mg/L		91	70 - 130	2	20
Toluene			0.100	0.08927		mg/L		89	70 - 130	1	20
Ethylbenzene			0.100	0.1071		mg/L		107	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.1714		mg/L		86	70 - 130	5	20
o-Xylene			0.100	0.08652		mg/L		87	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2890-2 MS
Matrix: Water
Analysis Batch: 34643

Client Sample ID: MW-37
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	0.08737		mg/L		87	70 - 130		
Toluene	<0.000367	U	0.100	0.08567		mg/L		86	70 - 130		
Ethylbenzene	<0.000657	U	0.100	0.1039		mg/L		104	70 - 130		
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1662		mg/L		83	70 - 130		
o-Xylene	<0.000642	U	0.100	0.08470		mg/L		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-2890-2 MSD
Matrix: Water
Analysis Batch: 34643

Client Sample ID: MW-37
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	0.09709		mg/L		97	70 - 130	11	25
Toluene	<0.000367	U	0.100	0.1020		mg/L		102	70 - 130	17	25
Ethylbenzene	<0.000657	U	0.100	0.1240		mg/L		124	70 - 130	18	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2042		mg/L		102	70 - 130	21	25
o-Xylene	<0.000642	U	0.100	0.1018		mg/L		102	70 - 130	18	25

QC Sample Results

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

Job ID: 890-2890-1
SDG: Lea County

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

Lab Sample ID: 890-2890-2 MSD
Matrix: Water
Analysis Batch: 34643

Client Sample ID: MW-37
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Association Summary

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

Job ID: 890-2890-1
SDG: Lea County

GC VOA

Analysis Batch: 34492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2890-1	MW-14	Total/NA	Water	8021B	
890-2890-3	MW-35	Total/NA	Water	8021B	
890-2890-4	MW-38	Total/NA	Water	8021B	
890-2890-5	MW-27	Total/NA	Water	8021B	
890-2890-6	MW-22	Total/NA	Water	8021B	
890-2890-7	MW-34	Total/NA	Water	8021B	
MB 880-34492/8	Method Blank	Total/NA	Water	8021B	
LCS 880-34492/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-34492/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2890-3 MS	MW-35	Total/NA	Water	8021B	
890-2890-3 MSD	MW-35	Total/NA	Water	8021B	

Analysis Batch: 34564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2890-1	MW-14	Total/NA	Water	Total BTEX	
890-2890-2	MW-37	Total/NA	Water	Total BTEX	
890-2890-3	MW-35	Total/NA	Water	Total BTEX	
890-2890-4	MW-38	Total/NA	Water	Total BTEX	
890-2890-5	MW-27	Total/NA	Water	Total BTEX	
890-2890-6	MW-22	Total/NA	Water	Total BTEX	
890-2890-7	MW-34	Total/NA	Water	Total BTEX	

Analysis Batch: 34643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2890-1	MW-14	Total/NA	Water	8021B	
890-2890-2	MW-37	Total/NA	Water	8021B	
MB 880-34643/8	Method Blank	Total/NA	Water	8021B	
LCS 880-34643/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-34643/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2890-2 MS	MW-37	Total/NA	Water	8021B	
890-2890-2 MSD	MW-37	Total/NA	Water	8021B	

Lab Chronicle

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

Job ID: 890-2890-1
SDG: Lea County

Client Sample ID: MW-14
Date Collected: 09/07/22 10:05
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 17:55	MR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	34643	09/16/22 17:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-37
Date Collected: 09/07/22 10:49
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34643	09/16/22 13:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-35
Date Collected: 09/07/22 10:28
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 18:47	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-38
Date Collected: 09/07/22 11:45
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 19:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-27
Date Collected: 09/07/22 12:24
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 19:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-22
Date Collected: 09/07/22 13:15
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 20:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	AJ	EET MID

Lab Chronicle

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

Job ID: 890-2890-1
SDG: Lea County

Client Sample ID: MW-34
Date Collected: 09/07/22 13:20
Date Received: 09/07/22 14:57

Lab Sample ID: 890-2890-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 20:29	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34564	09/15/22 09:59	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
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-2890-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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: 890-2890-1
SDG: Lea County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 890-2890-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2890-1	MW-14	Water	09/07/22 10:05	09/07/22 14:57	N/A
890-2890-2	MW-37	Water	09/07/22 10:49	09/07/22 14:57	N/A
890-2890-3	MW-35	Water	09/07/22 10:28	09/07/22 14:57	N/A
890-2890-4	MW-38	Water	09/07/22 11:45	09/07/22 14:57	N/A
890-2890-5	MW-27	Water	09/07/22 12:24	09/07/22 14:57	N/A
890-2890-6	MW-22	Water	09/07/22 13:15	09/07/22 14:57	N/A
890-2890-7	MW-34	Water	09/07/22 13:20	09/07/22 14:57	N/A

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American 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

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, K. Taylor	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:	TNM-001
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.0
Total Containers:		Corrected Temperature:	4.8

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-14	GW	9/7/22	10:05	N/A		3	X
MW-37			10:49				
MW-35			10:28				
MW-38			11:45				
MW-27			12:24				
MW-22			1:15				
MW-34			1:20				

Parameters

890-2890 Chain of Custody

Preservative Codes

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

Sample Comments

Email 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	Amanda Stuff	9/7/22 1457	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2890-1
SDG Number: Lea County

Login Number: 2890
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: 890-2890-1
SDG Number: Lea County

Login Number: 2890
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/09/22 11:06 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2905-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #1 (MTJ1)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
9/15/2022 12:02:28 PM

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

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

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

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

Laboratory Job ID: 890-2905-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-2905-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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: 890-2905-1
SDG: Lea County

Job ID: 890-2905-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2905-1

Receipt

The samples were received on 9/8/2022 2:24 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C

GC VOA

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

Client Sample Results

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

Job ID: 890-2905-1
SDG: Lea County

Client Sample ID: MW-36

Lab Sample ID: 890-2905-1
Matrix: Water
Date Collected: 09/08/22 09:15
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/14/22 20:55	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 20:55	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 20:55	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 20:55	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 20:55	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*09/14/22 20:55*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*09/14/22 20:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-41

Lab Sample ID: 890-2905-2
Matrix: Water
Date Collected: 09/08/22 09:30
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/14/22 21:20	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 21:20	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 21:20	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 21:20	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 21:20	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/14/22 21:20*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*		*09/14/22 21:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-21

Lab Sample ID: 890-2905-3
Matrix: Water
Date Collected: 09/08/22 10:10
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/14/22 23:03	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 23:03	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 23:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 23:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 23:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 23:03	1

Client Sample Results

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

Job ID: 890-2905-1
SDG: Lea County

Client Sample ID: MW-21

Lab Sample ID: 890-2905-3
Matrix: Water
Date Collected: 09/08/22 10:10
Date Received: 09/08/22 14:24
Sample Depth: n/a

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130		09/14/22 23:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130		09/14/22 23:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-26

Lab Sample ID: 890-2905-4
Matrix: Water
Date Collected: 09/08/22 10:50
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/14/22 23:29	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 23:29	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 23:29	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 23:29	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 23:29	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130		09/14/22 23:29	1
1,4-Difluorobenzene (Surr)	110		70 - 130		09/14/22 23:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-39

Lab Sample ID: 890-2905-5
Matrix: Water
Date Collected: 09/08/22 11:34
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/14/22 23:54	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 23:54	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 23:54	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 23:54	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 23:54	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		09/14/22 23:54	1
1,4-Difluorobenzene (Surr)	121		70 - 130		09/14/22 23:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample Results

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

Job ID: 890-2905-1
SDG: Lea County

Client Sample ID: MW-40

Lab Sample ID: 890-2905-6
Matrix: Water
Date Collected: 09/08/22 11:49
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00210**		0.00200	0.000408	mg/L			09/15/22 00:19	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/15/22 00:19	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 00:19	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/15/22 00:19	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 00:19	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/15/22 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*09/15/22 00:19*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*09/15/22 00:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00210**	**J**	0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-29

Lab Sample ID: 890-2905-7
Matrix: Water
Date Collected: 09/08/22 12:45
Date Received: 09/08/22 14:24
Sample Depth: n/a

Method: 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			09/15/22 00:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/15/22 00:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 00:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/15/22 00:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 00:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/15/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*09/15/22 00:44*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*09/15/22 00:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/15/22 09:59	1

Surrogate Summary

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

Job ID: 890-2905-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		BFB1	DFBZ1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
890-2890-A-3 MS	Matrix Spike	92	102								
890-2890-A-3 MSD	Matrix Spike Duplicate	94	109								
890-2905-1	MW-36	96	108								
890-2905-2	MW-41	100	118								
890-2905-3	MW-21	114	99								
890-2905-4	MW-26	89	110								
890-2905-5	MW-39	98	121								
890-2905-6	MW-40	127	95								
890-2905-7	MW-29	112	99								
LCS 880-34492/3	Lab Control Sample	98	112								
MB 880-34492/8	Method Blank	66 S1-	92								

Surrogate Legend

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

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										
LCSD 880-34492/4	Lab Control Sample Dup										

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: 890-2905-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34492/8
Matrix: Water
Analysis Batch: 34492

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			09/14/22 17:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/14/22 17:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/14/22 17:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/14/22 17:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/14/22 17:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/14/22 17:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*		*09/14/22 17:04*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*09/14/22 17:04*	*1*

Lab Sample ID: LCS 880-34492/3
Matrix: Water
Analysis Batch: 34492

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	0.09661		mg/L		97	70 - 130		
Toluene			0.100	0.09243		mg/L		92	70 - 130		
Ethylbenzene			0.100	0.08895		mg/L		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1831		mg/L		92	70 - 130		
o-Xylene			0.100	0.08946		mg/L		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-34492/4
Matrix: Water
Analysis Batch: 34492

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	0.08593		mg/L					
Toluene			0.100	0.08169		mg/L					
Ethylbenzene			0.100	0.08309		mg/L					
m-Xylene & p-Xylene			0.200	0.1710		mg/L					
o-Xylene			0.100	0.08415		mg/L					

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

Lab Sample ID: 890-2890-A-3 MS
Matrix: Water
Analysis Batch: 34492

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	0.00184	J	0.100	0.08668		mg/L		85	70 - 130		
Toluene	<0.000367	U	0.100	0.08088		mg/L		81	70 - 130		

QC Sample Results

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

Job ID: 890-2905-1
SDG: Lea County

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

Lab Sample ID: 890-2890-A-3 MS
Matrix: Water
Analysis Batch: 34492

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	0.07467		mg/L		75	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1623		mg/L		81	70 - 130
o-Xylene	<0.000642	U	0.100	0.08102		mg/L		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-2890-A-3 MSD
Matrix: Water
Analysis Batch: 34492

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	0.00184	J	0.100	0.08621		mg/L		84	70 - 130	1	25
Toluene	<0.000367	U	0.100	0.07884		mg/L		79	70 - 130	3	25
Ethylbenzene	<0.000657	U	0.100	0.07597		mg/L		76	70 - 130	2	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1551		mg/L		78	70 - 130	5	25
o-Xylene	<0.000642	U	0.100	0.07904		mg/L		79	70 - 130	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

QC Association Summary

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

Job ID: 890-2905-1
SDG: Lea County

GC VOA

Analysis Batch: 34492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2905-1	MW-36	Total/NA	Water	8021B	
890-2905-2	MW-41	Total/NA	Water	8021B	
890-2905-3	MW-21	Total/NA	Water	8021B	
890-2905-4	MW-26	Total/NA	Water	8021B	
890-2905-5	MW-39	Total/NA	Water	8021B	
890-2905-6	MW-40	Total/NA	Water	8021B	
890-2905-7	MW-29	Total/NA	Water	8021B	
MB 880-34492/8	Method Blank	Total/NA	Water	8021B	
LCS 880-34492/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-34492/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2890-A-3 MS	Matrix Spike	Total/NA	Water	8021B	
890-2890-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 34565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2905-1	MW-36	Total/NA	Water	Total BTEX	
890-2905-2	MW-41	Total/NA	Water	Total BTEX	
890-2905-3	MW-21	Total/NA	Water	Total BTEX	
890-2905-4	MW-26	Total/NA	Water	Total BTEX	
890-2905-5	MW-39	Total/NA	Water	Total BTEX	
890-2905-6	MW-40	Total/NA	Water	Total BTEX	
890-2905-7	MW-29	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 890-2905-1
SDG: Lea County

Client Sample ID: MW-36
Date Collected: 09/08/22 09:15
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 20:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-41
Date Collected: 09/08/22 09:30
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 21:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-21
Date Collected: 09/08/22 10:10
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 23:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-26
Date Collected: 09/08/22 10:50
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 23:29	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-39
Date Collected: 09/08/22 11:34
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/14/22 23:54	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-40
Date Collected: 09/08/22 11:49
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/15/22 00:19	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	AJ	EET MID

Lab Chronicle

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

Job ID: 890-2905-1
SDG: Lea County

Client Sample ID: MW-29
Date Collected: 09/08/22 12:45
Date Received: 09/08/22 14:24

Lab Sample ID: 890-2905-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	34492	09/15/22 00:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34565	09/15/22 09:59	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
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 890-2905-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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: 890-2905-1
SDG: Lea County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 890-2905-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2905-1	MW-36	Water	09/08/22 09:15	09/08/22 14:24	n/a
890-2905-2	MW-41	Water	09/08/22 09:30	09/08/22 14:24	n/a
890-2905-3	MW-21	Water	09/08/22 10:10	09/08/22 14:24	n/a
890-2905-4	MW-26	Water	09/08/22 10:50	09/08/22 14:24	n/a
890-2905-5	MW-39	Water	09/08/22 11:34	09/08/22 14:24	n/a
890-2905-6	MW-40	Water	09/08/22 11:49	09/08/22 14:24	n/a
890-2905-7	MW-29	Water	09/08/22 12:45	09/08/22 14:24	n/a

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American 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

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, K. Taylor	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:	TNM007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.0		
Total Containers:		Corrected Temperature:	2.8		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-36	GW	9/8/22	9:15	N/A		3	X
MW-41			9:30				
MW-21			10:10				
MW-26			10:50				
MW-39			11:34				
MW-40			11:49				
MW-29			12:45				

ANALYSIS REQUEST — Parameters

Preservative Codes

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

Sample 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	Cleve Cisp	9.8.22 1424			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2905-1
SDG Number: Lea County

Login Number: 2905
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: 890-2905-1
SDG Number: Lea County

Login Number: 2905
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/12/22 09:12 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/27/2022 8:53:18 AM

JOB DESCRIPTION

Moore to Jal #1 (MTJ1)

JOB NUMBER

890-3664-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

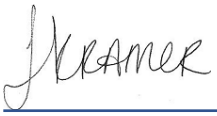
See page two for job notes and contact information.

Eurofins Carlsbad

Job Notes

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

Authorization



Generated
12/27/2022 8:53:18 AM

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: 890-3664-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

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

Job ID: 890-3664-1

Job ID: 890-3664-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3664-1

Receipt
The samples were received on 12/15/2022 3:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-26 (890-3664-3), MW-35 (890-3664-4), MW-37 (890-3664-5), MW-41 (890-3664-6), MW-36 (890-3664-7), MW-21 (890-3664-8), MW-39 (890-3664-9), (LCSD 880-42571/35), (890-3664-A-1 MS) and (890-3664-A-1 MSD). Evidence of matrix interferences is not obvious.

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: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-22
Lab Sample ID: 890-3664-1
Date Collected: 12/15/22 09:35
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 10:31	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 10:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 10:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 10:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 10:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*		*12/24/22 10:31*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*12/24/22 10:31*	*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			12/26/22 16:34	1

Client Sample ID: MW-38
Lab Sample ID: 890-3664-2
Date Collected: 12/15/22 11:05
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 10:58	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 10:58	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 10:58	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 10:58	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 10:58	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 10:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*12/24/22 10:58*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*12/24/22 10:58*	*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			12/26/22 16:34	1

Client Sample ID: MW-26
Lab Sample ID: 890-3664-3
Date Collected: 12/15/22 10:15
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 11:25	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 11:25	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 11:25	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 11:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 11:25	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 11:25	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-26
Lab Sample ID: 890-3664-3
Date Collected: 12/15/22 10:15
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*12/24/22 11:25*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*12/24/22 11:25*	*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			12/26/22 16:34	1

Client Sample ID: MW-35
Lab Sample ID: 890-3664-4
Date Collected: 12/15/22 11:35
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 11:52	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 11:52	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 11:52	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 11:52	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 11:52	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*154*	*S1+*	*70 - 130*		*12/24/22 11:52*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*12/24/22 11:52*	*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			12/26/22 16:34	1

Client Sample ID: MW-37
Lab Sample ID: 890-3664-5
Date Collected: 12/15/22 10:42
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 12:19	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 12:19	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 12:19	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 12:19	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 12:19	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*		*12/24/22 12:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*12/24/22 12:19*	*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			12/26/22 16:34	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-41
Lab Sample ID: 890-3664-6
Date Collected: 12/15/22 08:30
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 12:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 12:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 12:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 12:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 12:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*		*12/24/22 12:45*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*12/24/22 12:45*	*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			12/26/22 16:34	1

Client Sample ID: MW-36
Lab Sample ID: 890-3664-7
Date Collected: 12/15/22 08:00
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 13:12	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 13:12	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 13:12	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 13:12	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 13:12	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*12/24/22 13:12*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*12/24/22 13:12*	*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			12/26/22 16:34	1

Client Sample ID: MW-21
Lab Sample ID: 890-3664-8
Date Collected: 12/15/22 09:00
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 13:39	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 13:39	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 13:39	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 13:39	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 13:39	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 13:39	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-21
Lab Sample ID: 890-3664-8
Date Collected: 12/15/22 09:00
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*		*12/24/22 13:39*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*12/24/22 13:39*	*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			12/26/22 16:34	1

Client Sample ID: MW-39
Lab Sample ID: 890-3664-9
Date Collected: 12/15/22 07:45
Matrix: Water
Date Received: 12/15/22 15:13
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			12/24/22 14:05	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 14:05	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 14:05	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 14:05	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 14:05	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*		*12/24/22 14:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*12/24/22 14:05*	*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			12/26/22 16:34	1

Surrogate Summary

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

Job ID: 890-3664-1

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)										
890-3664-1	MW-22	130	86										
890-3664-1 MS	MW-22	145 S1+	89										
890-3664-1 MSD	MW-22	150 S1+	93										
890-3664-2	MW-38	125	81										
890-3664-3	MW-26	131 S1+	88										
890-3664-4	MW-35	154 S1+	89										
890-3664-5	MW-37	165 S1+	92										
890-3664-6	MW-41	160 S1+	90										
890-3664-7	MW-36	141 S1+	87										
890-3664-8	MW-21	159 S1+	92										
890-3664-9	MW-39	147 S1+	93										
LCS 880-42571/34	Lab Control Sample	127	87										
LCSD 880-42571/35	Lab Control Sample Dup	133 S1+	92										
MB 880-42571/39	Method Blank	92	83										
MB 880-42571/8	Method Blank	22798 S1+	29498 S1+										

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: 890-3664-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42571/39
Matrix: Water
Analysis Batch: 42571

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			12/24/22 10:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 10:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 10:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 10:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 10:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*12/24/22 10:04*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*		*12/24/22 10:04*	*1*

Lab Sample ID: MB 880-42571/8
Matrix: Water
Analysis Batch: 42571

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			12/23/22 20:10	1
Toluene	0.0005936	J	0.00200	0.000367	mg/L			12/23/22 20:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/23/22 20:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/23/22 20:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/23/22 20:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/23/22 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*22798*	*S1+*	*70 - 130*		*12/23/22 20:10*	*1*
1,4-Difluorobenzene (Surr)	*29498*	*S1+*	*70 - 130*		*12/23/22 20:10*	*1*

Lab Sample ID: LCS 880-42571/34
Matrix: Water
Analysis Batch: 42571

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	0.08691		mg/L		87	70 - 130
Toluene	0.100	0.07592		mg/L		76	70 - 130
Ethylbenzene	0.100	0.08811		mg/L		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1779		mg/L		89	70 - 130
o-Xylene	0.100	0.09271		mg/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-42571/35
Matrix: Water
Analysis Batch: 42571

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	0.1012		mg/L		101	70 - 130	15	20

QC Sample Results

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

Job ID: 890-3664-1

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

Lab Sample ID: LCSD 880-42571/35
Matrix: Water
Analysis Batch: 42571

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	0.08564		mg/L		86	70 - 130	12	20
Ethylbenzene			0.100	0.1004		mg/L		100	70 - 130	13	20
m-Xylene & p-Xylene			0.200	0.2014		mg/L		101	70 - 130	12	20
o-Xylene			0.100	0.1009		mg/L		101	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-3664-1 MS
Matrix: Water
Analysis Batch: 42571

Client Sample ID: MW-22
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	0.09519		mg/L		95	70 - 130
Toluene	<0.000367	U	0.100	0.09238		mg/L		92	70 - 130
Ethylbenzene	<0.000657	U	0.100	0.1118		mg/L		112	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2256		mg/L		113	70 - 130
o-Xylene	<0.000642	U	0.100	0.1156		mg/L		116	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-3664-1 MSD
Matrix: Water
Analysis Batch: 42571

Client Sample ID: MW-22
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	0.08893		mg/L		89	70 - 130	7	25
Toluene	<0.000367	U	0.100	0.08357		mg/L		84	70 - 130	10	25
Ethylbenzene	<0.000657	U	0.100	0.09848		mg/L		98	70 - 130	13	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2076		mg/L		104	70 - 130	8	25
o-Xylene	<0.000642	U	0.100	0.1066		mg/L		107	70 - 130	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

GC VOA

Analysis Batch: 42571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3664-1	MW-22	Total/NA	Water	8021B	
890-3664-2	MW-38	Total/NA	Water	8021B	
890-3664-3	MW-26	Total/NA	Water	8021B	
890-3664-4	MW-35	Total/NA	Water	8021B	
890-3664-5	MW-37	Total/NA	Water	8021B	
890-3664-6	MW-41	Total/NA	Water	8021B	
890-3664-7	MW-36	Total/NA	Water	8021B	
890-3664-8	MW-21	Total/NA	Water	8021B	
890-3664-9	MW-39	Total/NA	Water	8021B	
MB 880-42571/39	Method Blank	Total/NA	Water	8021B	
MB 880-42571/8	Method Blank	Total/NA	Water	8021B	
LCS 880-42571/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-42571/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-3664-1 MS	MW-22	Total/NA	Water	8021B	
890-3664-1 MSD	MW-22	Total/NA	Water	8021B	

Analysis Batch: 42612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3664-1	MW-22	Total/NA	Water	Total BTEX	
890-3664-2	MW-38	Total/NA	Water	Total BTEX	
890-3664-3	MW-26	Total/NA	Water	Total BTEX	
890-3664-4	MW-35	Total/NA	Water	Total BTEX	
890-3664-5	MW-37	Total/NA	Water	Total BTEX	
890-3664-6	MW-41	Total/NA	Water	Total BTEX	
890-3664-7	MW-36	Total/NA	Water	Total BTEX	
890-3664-8	MW-21	Total/NA	Water	Total BTEX	
890-3664-9	MW-39	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-22
Lab Sample ID: 890-3664-1
Date Collected: 12/15/22 09:35
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 10:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-38
Lab Sample ID: 890-3664-2
Date Collected: 12/15/22 11:05
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 10:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-26
Lab Sample ID: 890-3664-3
Date Collected: 12/15/22 10:15
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 11:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-35
Lab Sample ID: 890-3664-4
Date Collected: 12/15/22 11:35
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 11:52	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-37
Lab Sample ID: 890-3664-5
Date Collected: 12/15/22 10:42
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 12:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-41
Lab Sample ID: 890-3664-6
Date Collected: 12/15/22 08:30
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 12:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-3664-1
Project/Site: Moore to Jal #1 (MTJ1)

Client Sample ID: MW-36
Lab Sample ID: 890-3664-7
Date Collected: 12/15/22 08:00
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 13:12	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-21
Lab Sample ID: 890-3664-8
Date Collected: 12/15/22 09:00
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 13:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-39
Lab Sample ID: 890-3664-9
Date Collected: 12/15/22 07:45
Matrix: Water
Date Received: 12/15/22 15:13

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	42571	12/24/22 14:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42612	12/26/22 16:34	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: 890-3664-1
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: 890-3664-1

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

Job ID: 890-3664-1

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3664-1	MW-22	Water	12/15/22 09:35	12/15/22 15:13	N/A
890-3664-2	MW-38	Water	12/15/22 11:05	12/15/22 15:13	N/A
890-3664-3	MW-26	Water	12/15/22 10:15	12/15/22 15:13	N/A
890-3664-4	MW-35	Water	12/15/22 11:35	12/15/22 15:13	N/A
890-3664-5	MW-37	Water	12/15/22 10:42	12/15/22 15:13	N/A
890-3664-6	MW-41	Water	12/15/22 08:30	12/15/22 15:13	N/A
890-3664-7	MW-36	Water	12/15/22 08:00	12/15/22 15:13	N/A
890-3664-8	MW-21	Water	12/15/22 09:00	12/15/22 15:13	N/A
890-3664-9	MW-39	Water	12/15/22 07:45	12/15/22 15:13	N/A

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American 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:

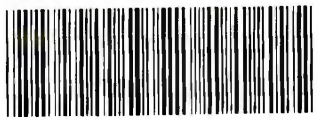
Project Name:	Moore to Jal #1 (MTJ1)	Turn Around	Pres. Code
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10270		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Tom-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.4
Total Containers:		Corrected Temperature:	4.2

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
	GW			N/A			X
MW-22	GW	12-15	09:35				
MW-38	GW	12-15	11:05				
MW-24	GW	12-15	16:45				
MW-35	GW	12-15	11:35				
MW-37	GW	12-15	10:47				
MW-41	GW	12-15	8:30				
MW-36	GW	12-15	8:00				
MW-21	GW	12-15	9:00				
MW-39	GW	12-15	7:45				



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	Amanda Luff	12/15/22 15:13	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3664-1
SDG Number:

Login Number: 3664
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: 890-3664-1
SDG Number:

Login Number: 3664
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 12/19/22 09:07 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/27/2022 8:58:25 AM

JOB DESCRIPTION

Moore to Jal #1 (MTJ1)
SDG NUMBER Lea, County

JOB NUMBER

880-22840-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

Generated
12/27/2022 8:58:25 AM

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: 880-22840-1
SDG: Lea, County

Table of Contents

Definitions/Glossary

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

Job ID: 880-22840-1
SDG: Lea, County

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

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

Job ID: 880-22840-1
SDG: Lea, County

Job ID: 880-22840-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-22840-1

Receipt
The samples were received on 12/16/2022 3:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-34 (880-22840-1), MW-29 (880-22840-2), MW-40 (880-22840-3), (LCSD 880-42571/35), (890-3664-A-1 MS) and (890-3664-A-1 MSD). Evidence of matrix interferences is not obvious.

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

Client Sample Results

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

Job ID: 880-22840-1
SDG: Lea, County

Client Sample ID: MW-34

Lab Sample ID: 880-22840-1
Matrix: Water
Date Collected: 12/16/22 09:00
Date Received: 12/16/22 15:52

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			12/24/22 16:19	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 16:19	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 16:19	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 16:19	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 16:19	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*12/24/22 16:19*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*		*12/24/22 16:19*	*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			12/26/22 16:34	1

Client Sample ID: MW-29

Lab Sample ID: 880-22840-2
Matrix: Water
Date Collected: 12/16/22 11:00
Date Received: 12/16/22 15:52

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000521**	**J**	0.00200	0.000408	mg/L			12/24/22 16:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 16:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 16:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 16:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 16:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*12/24/22 16:45*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*12/24/22 16:45*	*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			12/26/22 16:34	1

Client Sample ID: MW-40

Lab Sample ID: 880-22840-3
Matrix: Water
Date Collected: 12/16/22 11:30
Date Received: 12/16/22 15:52

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			12/24/22 19:26	10
Toluene	<0.00367	U	0.0200	0.00367	mg/L			12/24/22 19:26	10
Ethylbenzene	<0.00657	U	0.0200	0.00657	mg/L			12/24/22 19:26	10
m-Xylene & p-Xylene	<0.00629	U	0.0400	0.00629	mg/L			12/24/22 19:26	10
o-Xylene	<0.00642	U	0.0200	0.00642	mg/L			12/24/22 19:26	10
Xylenes, Total	<0.00642	U	0.0400	0.00642	mg/L			12/24/22 19:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*		*12/24/22 19:26*	*10*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*		*12/24/22 19:26*	*10*

Client Sample Results

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

Job ID: 880-22840-1
SDG: Lea, County

Client Sample ID: MW-40
Date Collected: 12/16/22 11:30
Date Received: 12/16/22 15:52

Lab Sample ID: 880-22840-3
Matrix: Water

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			12/26/22 16:34	1

Surrogate Summary

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

Job ID: 880-22840-1
SDG: Lea, County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-22840-1	MW-34	131 S1+	78
880-22840-2	MW-29	141 S1+	87
880-22840-3	MW-40	136 S1+	80
890-3664-A-1 MS	Matrix Spike	145 S1+	89
890-3664-A-1 MSD	Matrix Spike Duplicate	150 S1+	93
LCS 880-42571/34	Lab Control Sample	127	87
LCSD 880-42571/35	Lab Control Sample Dup	133 S1+	92
MB 880-42571/39	Method Blank	92	83
MB 880-42571/8	Method Blank	22798 S1+	29498 S1+

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: 880-22840-1
SDG: Lea, County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42571/39
Matrix: Water
Analysis Batch: 42571

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			12/24/22 10:04	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 10:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 10:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 10:04	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 10:04	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 10:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*12/24/22 10:04*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*		*12/24/22 10:04*	*1*

Lab Sample ID: MB 880-42571/8
Matrix: Water
Analysis Batch: 42571

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			12/23/22 20:10	1
Toluene	0.0005936	J	0.00200	0.000367	mg/L			12/23/22 20:10	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/23/22 20:10	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/23/22 20:10	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/23/22 20:10	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/23/22 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*22798*	*S1+*	*70 - 130*		*12/23/22 20:10*	*1*
1,4-Difluorobenzene (Surr)	*29498*	*S1+*	*70 - 130*		*12/23/22 20:10*	*1*

Lab Sample ID: LCS 880-42571/34
Matrix: Water
Analysis Batch: 42571

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	0.08691		mg/L		87	70 - 130		
Toluene			0.100	0.07592		mg/L		76	70 - 130		
Ethylbenzene			0.100	0.08811		mg/L		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1779		mg/L		89	70 - 130		
o-Xylene			0.100	0.09271		mg/L		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: LCSD 880-42571/35
Matrix: Water
Analysis Batch: 42571

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	0.1012		mg/L		101	70 - 130	15	20

QC Sample Results

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

Job ID: 880-22840-1
SDG: Lea, County

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

Lab Sample ID: LCSD 880-42571/35
Matrix: Water
Analysis Batch: 42571

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	0.08564		mg/L		86	70 - 130	12	20
Ethylbenzene			0.100	0.1004		mg/L		100	70 - 130	13	20
m-Xylene & p-Xylene			0.200	0.2014		mg/L		101	70 - 130	12	20
o-Xylene			0.100	0.1009		mg/L		101	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 890-3664-A-1 MS
Matrix: Water
Analysis Batch: 42571

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	0.09519		mg/L		95	70 - 130
Toluene	<0.000367	U	0.100	0.09238		mg/L		92	70 - 130
Ethylbenzene	<0.000657	U	0.100	0.1118		mg/L		112	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2256		mg/L		113	70 - 130
o-Xylene	<0.000642	U	0.100	0.1156		mg/L		116	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 890-3664-A-1 MSD
Matrix: Water
Analysis Batch: 42571

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	0.08893		mg/L		89	70 - 130	7	25
Toluene	<0.000367	U	0.100	0.08357		mg/L		84	70 - 130	10	25
Ethylbenzene	<0.000657	U	0.100	0.09848		mg/L		98	70 - 130	13	25
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2076		mg/L		104	70 - 130	8	25
o-Xylene	<0.000642	U	0.100	0.1066		mg/L		107	70 - 130	8	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

QC Association Summary

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

Job ID: 880-22840-1
SDG: Lea, County

GC VOA

Analysis Batch: 42571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22840-1	MW-34	Total/NA	Water	8021B	
880-22840-2	MW-29	Total/NA	Water	8021B	
880-22840-3	MW-40	Total/NA	Water	8021B	
MB 880-42571/39	Method Blank	Total/NA	Water	8021B	
MB 880-42571/8	Method Blank	Total/NA	Water	8021B	
LCS 880-42571/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-42571/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-3664-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-3664-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 42614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22840-1	MW-34	Total/NA	Water	Total BTEX	
880-22840-2	MW-29	Total/NA	Water	Total BTEX	
880-22840-3	MW-40	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 880-22840-1
SDG: Lea, County

Client Sample ID: MW-34

Date Collected: 12/16/22 09:00
Date Received: 12/16/22 15:52

Lab Sample ID: 880-22840-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	42571	12/24/22 16:19	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42614	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-29

Date Collected: 12/16/22 11:00
Date Received: 12/16/22 15:52

Lab Sample ID: 880-22840-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	42571	12/24/22 16:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42614	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-40

Date Collected: 12/16/22 11:30
Date Received: 12/16/22 15:52

Lab Sample ID: 880-22840-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	42571	12/24/22 19:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42614	12/26/22 16:34	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
Project/Site: Moore to Jal #1 (MTJ1)

Job ID: 880-22840-1
SDG: Lea, County

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

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

Job ID: 880-22840-1
SDG: Lea, County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 880-22840-1
SDG: Lea, County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22840-1	MW-34	Water	12/16/22 09:00	12/16/22 15:52
880-22840-2	MW-29	Water	12/16/22 11:00	12/16/22 15:52
880-22840-3	MW-40	Water	12/16/22 11:30	12/16/22 15:52

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: 22840

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	☑ Routine ☐ Rush
Project Number		Due Date	
Project Location	Lea, County	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name			
PO #	SRS# 2002-10270		

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Samples Received Intact	(Yes) No	Thermometer ID	TPE	
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.30	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	5.2	
Total Containers		Corrected Temperature	4.9	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-34	GW	12-16-22	0900	N/A		3		X
MW-29		↓	1106			3		X
MW-40		↓	1130			3		X

Preservative Codes

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

Sample Comments

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

880-22840 Chain of Custody

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

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

	Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1	Kayla Gaylor		12/16/22	2		
3			1552	4		
5				6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 880-22840-1
SDG Number: Lea, County

Login Number: 22840
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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 206197

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 206197
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	1. Continue O&M of the total fluid pumps recovery system. 2. Perform groundwater monitoring events in accordance with NMOCD directives. 3. Install additional monitor wells to compensate for declining water levels at proposed locations. 4. Submit 2023 Annual Report by April 1, 2024.	5/25/2023