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TALON LPE

2022 ANNUAL GROUNDWATER MONITORING REPORT
8” MOORE TO JAL #2

LEA COUNTY, NEW MEXICO
SRS #2002—10273
NMOCD REF. # AP-92, nAPP2109527131

Review of the 2022 Annual Groundwater Monitoring Report:
content satisfactory

1. Continue quarterly sampling for wells per report.
2. Submit annual groundwater report for 2023 by April 1, 2024.

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

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March 29, 2023

2022 ANNUAL GROUNDWATER MONITORING REPORT

8" MOORE TO JAL #2
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PLAINS PIPELINE, L.P.
333 CLAY STREET, SUITE 1600
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TALON/LPE PROJECT NO. 700376.045.04

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NEW MEXICO
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March 29, 2023

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

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APPENDICES

1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

The 8" Moore to Jal #2 (site) is located approximately 9.2 miles southeast of Lovington in Unit Letter J, Section 16, Township 17 South and Range 37 East in Lea County, New Mexico, on property owned by the State of New Mexico. The site is located within the West Lovington Oil Field at 32.832391° N, 103.252477° W. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from an EOTT Energy Pipeline (EOTT) steel pipeline on October 22, 2002. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Marketing, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 25 barrels (bbls) of crude oil were released. Approximately 5,794 square feet of surface area was impacted by the release.

On February 5, 2007, Talon/LPE (Talon) was retained by Plains to assume remediation activities at the site. Remediation activities at the site were previously conducted by Environmental Plus, Inc. (EPI).

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 contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleovalley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene, the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.3 Previous Environmental Investigations

Currently, there are a total of 23 groundwater monitor wells existing in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor well (MW-1) was installed in July 2004. Subsequently, groundwater monitor wells (MW-2, MW-3, and MW-4) were installed in October 2004, monitor wells (MW-6 through MW-13) were installed in November 2007, monitor wells (MW-14 through MW-16) were installed in March of 2010 and monitor wells (MW-17 through MW-21) were installed in August

of 2010. Replacement wells (MW-3A and MW-4A), and down-gradient monitor wells (MW-22 and MW-23) were installed in December of 2013. Replacement monitor well (MW-21A) was installed in September of 2020.

Phase-separated hydrocarbon (PSH) recovery operations were performed at the site from 2004 to 2020. Table 1, which summarizes historical groundwater and PSH gauging, is provided in Appendix B.

One (1) air sparge utilized in monitor well (MW-6) from January through September 2022 but was removed during the fourth quarter of 2022 due to the decline of water levels at the site.

All fluids generated during the reporting period are transferred to on-site storage containers prior to transportation, via vacuum truck, to an approved NMOCD disposal facility

1.4 Regulatory Framework

Groundwater analytical data collected from this site is compared 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 subsequent sections of this report provide summaries of the groundwater monitoring activities that were conducted at the subject site during the year 2022, as well as analytical results from each quarterly groundwater sampling event. Cumulative analytical results for the four (4) 2022 sampling events are summarized in (Table 2 and 3), in Appendix B, and Figures 1, 2a through 2d, and 3a through 3d in Appendix A. Laboratory analytical data reports and chain-of-custody documentation are included in Appendix C.

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and air sparging activities conducted at the subject site during the year 2022. The primary function of groundwater monitoring activities was the documentation of depth to fluid measurements and the collection of groundwater samples from monitor wells to be submitted for laboratory analysis. The objective of groundwater monitoring was to evaluate the status of the dissolved-phase plume and verification of the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of dissolved-phase plume impact to the groundwater, and to determine if modifications to the remediation system would improve overall performance and efficiency.

A synopsis of analytical results for the four (4) quarterly groundwater monitoring events is located in Table 2, in Appendix B, and annotated in map form on Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C.

2.1 Groundwater Monitoring Activities

A total of four (4) quarterly groundwater monitoring events were conducted by Talon during the year 2022. The events occurred in March, June, September, and December 2022.

During the March 2022 event, groundwater samples were collected from eight (8) monitor wells: MW-3A, MW-4A, MW-5, MW-10, MW-11, MW-17, MW-20, and MW-21A. Monitor wells (MW-1, MW-2, MW-7, MW-8, MW-9, MW-12 through MW-16, and MW-19) were dry, therefore, these wells were not purged or sampled. Groundwater samples were not collected from monitor wells (MW-6, MW-18, MW-22, MW-23) due to insufficient water to purge or sample. Details of the gauging, purging, and sampling activities for March 2022 are presented in Section 2.2.

During the June 2022 event, groundwater samples were collected from five (5) monitor wells: MW-3A, MW-4A, MW-5, MW-10, and MW-21A. Monitor wells (MW-1, MW-2, MW-7, MW-8, MW-9, MW-12 through MW-16, and MW-19) were dry, therefore, these wells were not purged or sampled. Groundwater samples were not collected from monitor wells (MW-6, MW-22, and MW-23) due to insufficient water to purge or sample. Monitor wells (MW-11, MW-17, MW-18, and MW-20) were not scheduled to be sampled. Details of the gauging, purging, and sampling activities for June 2022 are presented in Section 2.2.

During the September 2022 event, groundwater samples were collected from six (6) monitor wells: MW-3A, MW-4A, MW-5, MW-10, MW-17, and MW-21A. Monitor wells (MW-1, MW-2, MW-7, MW-8, MW-9, MW-11 through MW-16, MW-18, and MW-19) were dry, therefore, these wells were not purged or sampled. Groundwater samples were not collected from monitor wells (MW-6, MW-20, MW-22, and MW-23) due to insufficient water to purge or sample. Details of the gauging, purging, and sampling activities for September 2022 are presented in Section 2.2.

During the December 2022 event, groundwater samples were collected from three (3) monitor wells: MW-3A, MW-4A, and MW-21A. Monitor wells (MW-1, MW-2, MW-6 through MW-9, MW-11 through MW-16, MW-18 and MW-19) were dry; therefore, these wells were not purged or sampled. Groundwater samples were not collected from monitor wells (MW-5, MW-10, MW-22 and MW-23) due to insufficient water to sample. Monitor wells (MW-17 and MW-20) were not scheduled to be sampled. Details of the gauging, purging, and sampling activities for December 2022 are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, monitor wells were measured with an oil/water interface probe to determine static water levels and PSH thickness, if present. The data collected from measurements were used to construct groundwater gradient maps and PSH thickness maps. Table 1 – Groundwater and NAPL Thickness - Historical contains all depth to fluid data collected during 2022.

Subsequent to gauging, all monitor wells were purged using a 12-volt submersible 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. After the groundwater monitoring event, the fluids generated were transferred to on-site storage containers prior to transportation, via vacuum truck, to an approved NMOCD disposal facility.

Groundwater samples were collected from monitor wells that did not exhibit the presence of PSH using dedicated disposable polyethylene bailers. All samples were contained in appropriately preserved laboratory supplied sample vials required for the requested analysis. The samples were maintained on ice, in the custody of Talon personnel, until submittal to Xenco Laboratories in Carlsbad, New Mexico for analysis. The groundwater samples collected during 2022 were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by Environmental Protection Agency (EPA) Method SW-846 8021B. The groundwater samples collected from MW-5, MW-10, MW-11, MW-17, MW-20, and MW-21A during the March 2022 event were analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270C.

2.3 Phase Separated Hydrocarbon Recovery

Prior to October 2008, a mobile recovery trailer equipped with total fluids pumps was mobilized to the site on a weekly basis to recover PSH from monitor wells (MW-1, MW-2, MW-3, MW-5, MW-6, MW-7, and MW-9).

On October 7, 2008, a permanent system was installed utilizing two (2) AP-4 pneumatic total fluid pumps in monitor wells (MW-1 and MW-7) and four (4) skimmer pumps in monitor wells (MW-3, MW-5, MW-6, and MW-9) to recover PSH and to inhibit migration of the PSH plume. In 2013, the skimmer pumps in MW-5 and MW-6 were replaced with total fluids pumps. In 2014, the skimmer pump in MW-9 was replaced with a total fluids pump. The system of total fluids pumps are powered by a single-phase, 230-volt, 7.5 HP two-stage reciprocating air compressor. Fluid

recovered by the pumps is retained in a 6,250-gallon poly tank staged on-site. The tank is equipped with a high level shut off switch to prevent overflow and is located within a secondary containment compound outfitted with a poly-liner. Recovered PSH was periodically removed from the recovery tank with a vacuum truck and reintroduced to the Plains pipeline system at the Plains operated Lea Station. Recovered groundwater was transported to an approved NMOCD disposal facility, via vacuum truck.

Approximately 230.73 bbls of crude oil have been recovered at the subject site since PSH recovery activities were initiated. Currently, there are no active fluid recovery operations at the site.

One (1) air sparge was in use at MW-6 from January through September 2022. It was removed during the fourth quarter of 2022 due to the decline of water levels at the site.

Talon personnel performed a minimum of weekly maintenance to the remediation system to ensure efficient operation.

3.0 GROUNDWATER MONITORING RESULTS

The results of 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 sections that follow present the results from the four (4) groundwater monitoring events conducted at the subject site in 2022.

3.1 Physical Characteristics of the First Water-Bearing Zone

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally mimics the regional topography, with the regional flow direction being 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 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 up to 1.6 inches per year.

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 treatment strategies are often employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

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 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 map for March 16, 2022 is constructed using water level elevations from all wells, with the exception of MW-21A. The water level elevations exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0025 feet/foot.

The potentiometric surface map for June 8, 2022 is constructed using water level elevations from all wells, with the exception of MW-21A. The water level elevations exhibit a general groundwater direction of flow to the south-southeast with an approximate gradient of 0.0025 feet/foot.

The potentiometric surface map for September 9, 2022 is constructed using water level elevations from all wells, with the exception of MW-21A. The water level elevations exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0033 feet/foot.

The potentiometric surface map for December 13, 2022 is constructed using water level elevations from all wells, with the exception of MW-21A. The water level elevations exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0037 feet/foot.

Groundwater elevations at the subject site declined approximately 1.48 feet for the year, which is consistent with the regional declining trend of groundwater levels in the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbon

An oil/water interface probe was used to determine the measured thickness of PSH during the four (4) groundwater monitoring events. This is denoted in Table 1 - Groundwater and NAPL Thickness - Historical in Appendix B.

PSH was not detected in any monitor wells during the four (4) groundwater monitoring events conducted in 2022.

PSH recovery operations have been conducted at the site since 2004. In 2021, active fluid recovery operations were terminated and an air sparge bubbler was installed in MW-6. The air sparge was in use at MW-6 from January through September during 2022. It was removed during the fourth quarter due to declining water levels at the site. A summary of the historical groundwater and PSH gauging results is provided in Table 1 in Appendix B.

3.4 Groundwater Analytical Results

During the March 2022 event, groundwater samples were collected from eight (8) monitor wells: MW-3A, MW-4A, MW-5, MW-10, MW-11, MW-17, MW-20, and MW-21A.

Laboratory analytical results of the groundwater samples collected during the March 2022 event exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory method

detection limits (MDLs) in wells (MW-3A, MW-4A, MW-10, MW-11, MW-17, MW-20, and MW-21A) to 0.00382 mg/L in MW-5. Benzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.010 mg/L.

- Toluene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-10, MW-11, MW-17, and MW-20) to 0.00448 mg/L in MW-5. Toluene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.

- Ethylbenzene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, MW-11, MW-17, MW-20, and MW-21A) to 0.000857 mg/L in MW-5. Ethylbenzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.

- Xylene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, MW-11, MW-17, MW-20, and MW-21A) to 0.00262 mg/L in MW-5. Xylene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.620 10 mg/L.

- Naphthalene concentrations were less than the laboratory MDLs in all wells analyzed for PAH (MW-5, MW-10, MW-11, MW-17, MW-20, and MW-21A). The naphthalene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.030 mg/L.

- The benzo(a)pyrene concentrations were less than the laboratory MDLs in all wells analyzed for PAH (MW-5, MW-10, MW-11, MW-17, MW-20, and MW-21A). The benzo(a)pyrene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.0007 mg/L.

During the June 2022 event, groundwater samples were collected from five (5) monitor wells: MW-3A, MW-4A, MW-5, MW-10, and MW-21A.

Laboratory analytical results of the groundwater samples collected during the June 2022 event exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, and MW-21A) to 0.000959 mg/L in MW-5. Benzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.010 mg/L.

- Toluene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, and MW-21A) to 0.000872 mg/L in MW-5. Toluene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.

- Ethylbenzene concentrations were less than the laboratory MDLs in all wells sampled during this event. Ethylbenzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.

- Xylene concentrations ranged from less than the laboratory MDLs in wells

(MW-3A, MW-4A, MW-10, and MW-21A) to 0.00842 mg/L in MW-5. Xylene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.620 mg/L.

During the September 2022 event, groundwater samples were collected from six (6) monitor wells: MW-3A, MW-4A, MW-5, MW-10, MW-17, and MW-21A.

Laboratory analytical results of the groundwater samples collected during the September 2022 event exhibited the following findings:

- Benzene concentrations were below the laboratory MDLs in all wells sampled this event, with the exception of MW-5, which exhibited a benzene concentration of 0.0149 mg/L. Benzene concentrations exceeded the applicable NMWQCC groundwater standard of 0.010 mg/L in well MW-5.
- Toluene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, MW-17, and MW-21A) to 0.00956 mg/L in MW-5. Toluene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.
- Ethylbenzene concentrations were less than the laboratory MDLs in all wells sampled during this event. Ethylbenzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.
- Xylene concentrations ranged from less than the laboratory MDLs in wells (MW-3A, MW-4A, MW-10, MW-17, and MW-21A) to 0.00488 mg/L in MW-5. Xylene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.620 mg/L.

During the December 2022 event, groundwater samples were collected from three (3) monitor wells: MW-3A, MW-4A, and MW-21A.

Laboratory analytical results of the groundwater samples collected during the December 2022 event exhibited the following findings:

- Benzene concentrations were less than the laboratory MDLs in all wells with the exception of MW-4A, which exhibited a benzene concentration of 0.000767 mg/L. Benzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.010 mg/L.
- Toluene concentrations were less than the laboratory MDLs in all wells sampled during this event. Toluene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.
- Ethylbenzene concentrations were less than the laboratory MDLs in all wells sampled during this event. Ethylbenzene concentrations did not exceed the applicable NMWQCC groundwater standard of 0.750 mg/L.
- Xylene concentrations were less than the laboratory MDLs in all wells sampled during this event. Xylene concentrations did not exceed the

applicable NMWQCC groundwater standard of 0.620 mg/L.

The results of the BTEX analyses are summarized in Table 2 – Groundwater Analytical Data - Historical, and results of the PAH analyses are summarized in Table 3 – Groundwater Analytical Data – Historical – PAH Supplement 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 the four (4) groundwater monitoring events conducted at the 8" Moore to Jal #2 site in 2022 and provides recommendations for future corrective actions.

4.1 Summary of Findings

- The groundwater flow direction is generally to the south-southeast at an average gradient of 0.003 feet per foot.
- During 2022, only monitor well MW-5 exhibited a benzene concentration in excess of the applicable NMWQCC groundwater standard during the September sampling event. No other contaminants of concern were identified above applicable groundwater standards in 2022. The BTEX plume is well defined.
- NMOCD has approved termination of all PAH sampling events from wells MW-3A, MW-4A, MW-7, MW-8, MW-9, MW-18, MW-22 and MW-23.
- NMOCD has also approved semi-annual only sampling of monitor wells MW-11, MW-17, MW-18, MW-19 and MW-20.

4.2 Recommendations

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

- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.
- Install additional monitoring 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 – 03/16/2022

Figure 2b – Groundwater Gradient Map – 06/08/2022

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

Figure 2d – Groundwater Gradient Map – 12/13/2022

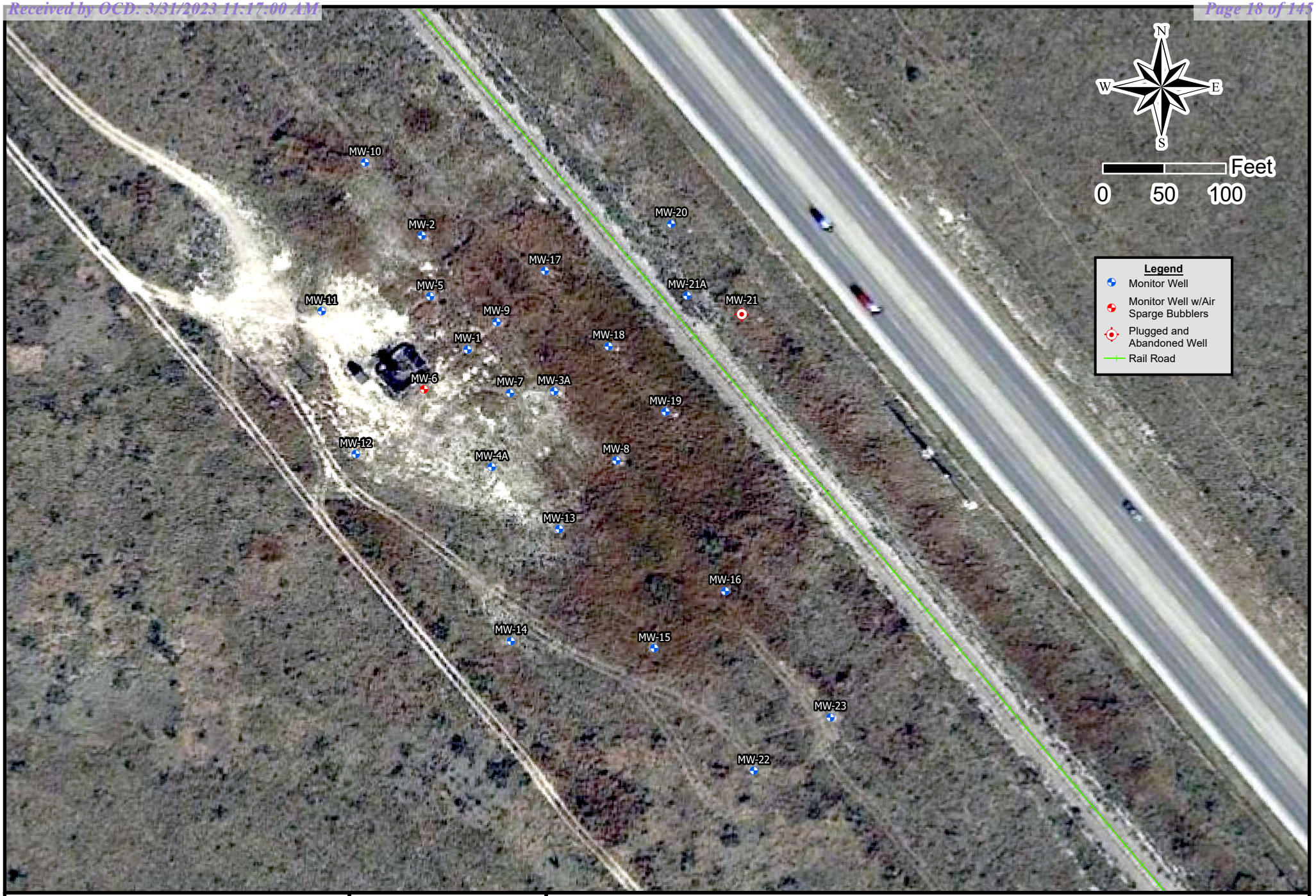
Figure 3a – Groundwater Concentration Map – 03/17/2022

Figure 3b – Groundwater Concentration Map – 06/08/2022

Figure 3c – Groundwater Concentration Map – 09/09,12/2022

Figure 3d – Groundwater Concentration Map – 12/13/2022

Figure 4 – Proposed Well Locations



TALON LPE

Date: 11/23/2022
1 in = 100 ft
Drafted By: JAI

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 1 - Site Map

TALON LPE

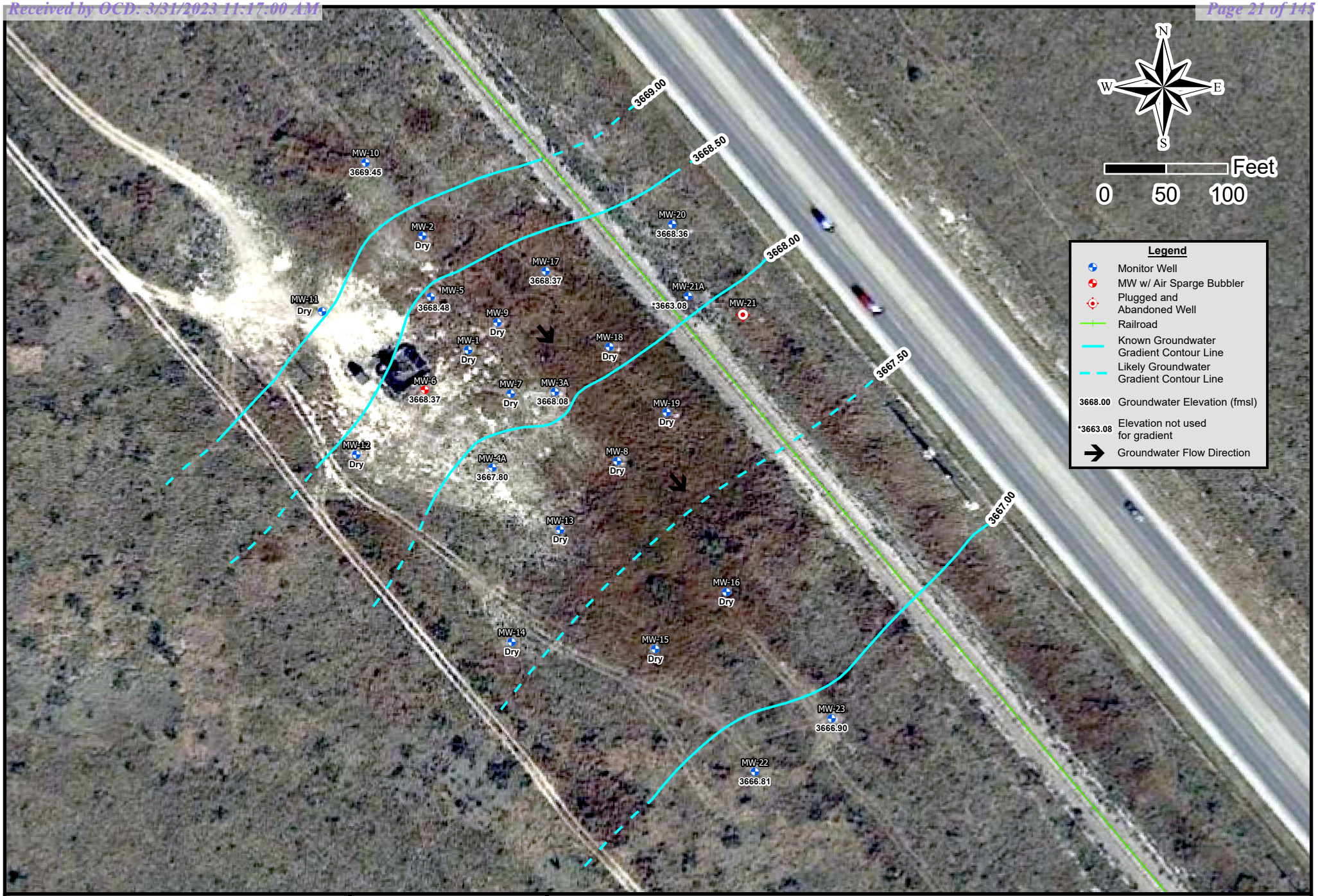
Date: 6/15/2022
1 in = 100 ft
Drafted By: JAI

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2a - Groundwater Gradient Map (03/16/2022)

TALON LPE

Date: 3/28/2023
1 in = 100 ft
Drafted By: IJR

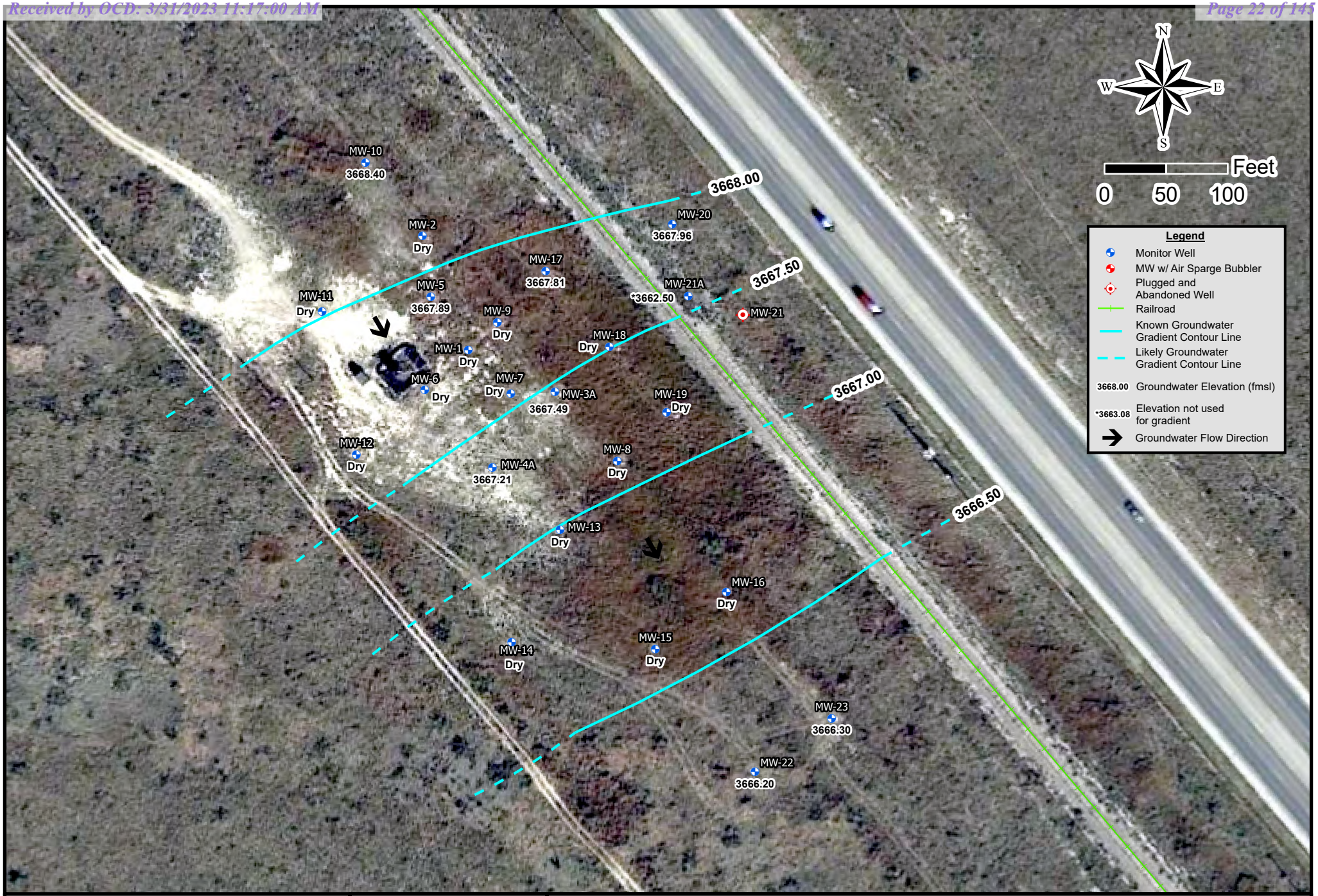
8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2b - Groundwater Gradient Map (06/08/2022)



TALON LPE

Date: 11/30/2022
1 in = 100 ft
Drafted By: JAI

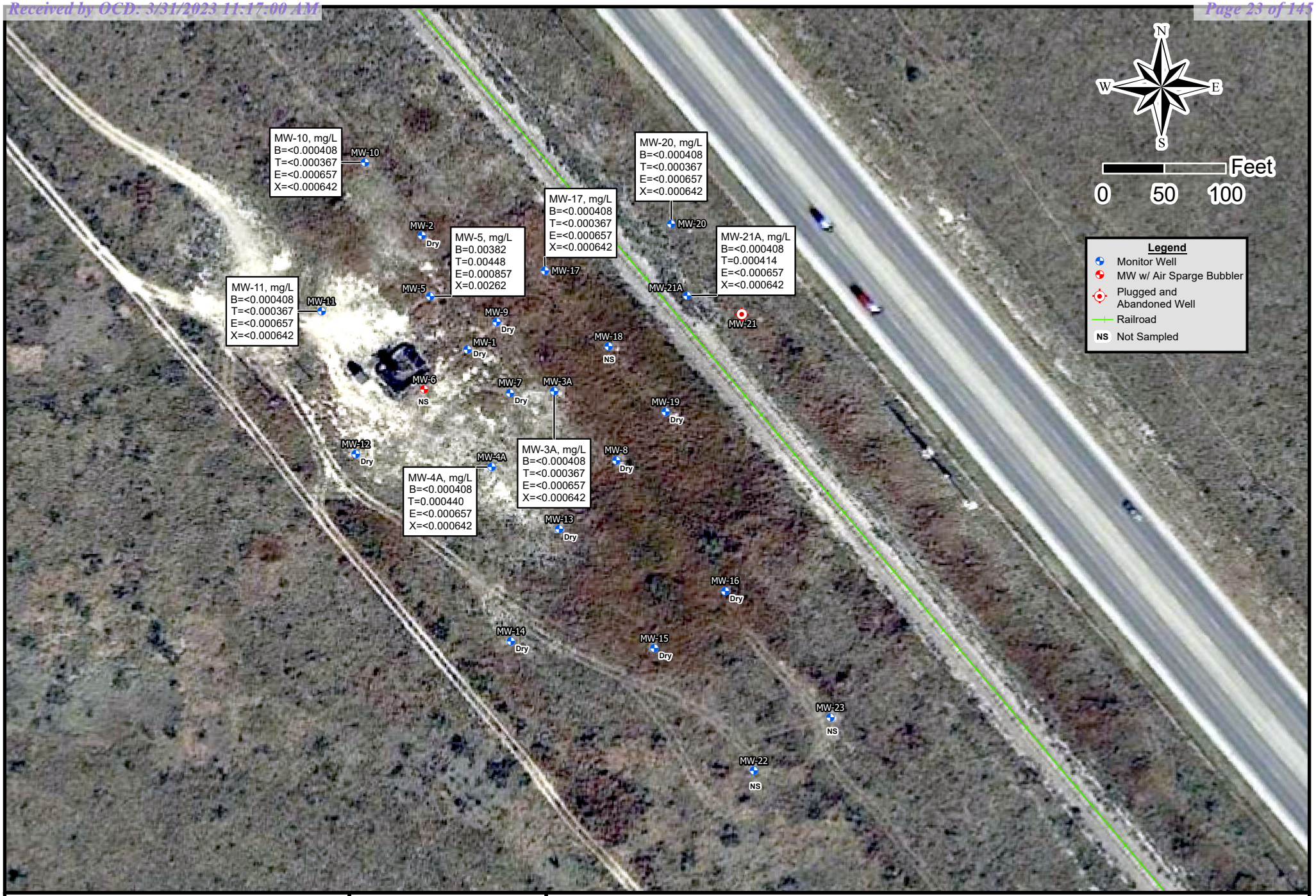
8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2c - Groundwater Gradient Map (09/09/2022)



TALON LPE

Date: 3/6/2023
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2d - Groundwater Gradient Map (12/13/2022)



TALON LPE

Date: 6/15/2022
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3a - Groundwater Concentration Map - (03/16,17/2022)

TALON LPE

Date: 2/24/2023
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3b - Groundwater Concentration Map (06/08/2020)

TALON LPE

Date: 3/6/2023
1 in = 100 ft
Drafted By: JAI

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3c - Groundwater Concentration Map (09/09, 12/2022)

TALON LPE

Date: 2/20/2023
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3d - Groundwater Concentration Map (12/13/2022)

APPENDIX B

Tables

Table 1 – Groundwater and NAPL Thickness – Historical

Table 2 – Groundwater Analytical Data – Historical

Table 3 – Groundwater Analytical Data – Historical – PAH Supplement

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1 4"	3773.35	63	83	03/15/2016	94.40	93.75	0.65	3679.49
				06/13/2016	94.15	94.14	0.01	3679.21
				09/22/2016	94.82	94.42	0.4	3678.86
				12/01/2016	94.88	94.72	0.16	3678.60
				03/16/2017	DR	-	-	-
				06/01/2017	94.90	94.79	0.11	3678.54
				09/25/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/20/2018	DR	-	-	-
				06/18/2018	DR	-	-	-
				09/24/2018	DR	-	-	-
				12/18/2018	DR	-	-	-
				03/24/2019	DR	-	-	-
				06/19/2019	94.85			3678.50
				09/09/2019	94.85			3678.50
				12/16/2019	94.90	-	-	3678.45
				03/18/2020	94.90	-	-	3678.45
				06/16/2020	94.71	-	-	3678.64
				09/21/2020	DR	-	-	-
				12/02/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-2 4"	3772.07	62.5	82.5	03/15/2016	DR	-	-	-
				06/13/2016	DR	-	-	-
				09/22/2016	DR	-	-	-
				11/30/2016	DR	-	-	-
				03/16/2017	DR	-	-	-
				06/01/2017	DR	-	-	-
				09/25/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/20/2018	DR	-	-	-
				06/18/2018	DR	-	-	-
				09/24/2018	DR	-	-	-
				12/18/2018	DR	-	-	-
				03/24/2019	DR	-	-	-
				06/19/2019	DR	-	-	-
				09/09/2019	DR	-	-	-
				12/16/2019	DR	-	-	-
				03/18/2020	DR	-	-	-
				06/16/2020	DR	-	-	-
				09/21/2020	DR	-	-	-
				12/02/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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-3A 4"	3773.59	82	112	03/15/2016	94.32	-	-	3679.27
				06/13/2016	94.70	-	-	3678.89
				09/23/2016	95.15	-	-	3678.44
				11/30/2016	95.64	-	-	3677.95
				03/16/2017	95.90	-	-	3677.69
				06/01/2017	96.25	-	-	3677.34
				09/25/2017	96.78	-	-	3676.81
				12/13/2017	97.26	-	-	3676.33
				03/20/2018	97.55	-	-	3676.04
				06/18/2018	98.00	-	-	3675.59
				09/24/2018	98.61	-	-	3674.98
				12/18/2018	99.09	-	-	3674.50
				03/24/2019	99.35	-	-	3674.24
				06/19/2019	99.55	-	-	3674.04
				09/09/2019	100.02	-	-	3673.57
				12/16/2019	100.65	-	-	3672.94
				03/19/2020	101.07	-	-	3672.52
				06/16/2020	101.25	-	-	3672.34
				09/21/2020	101.84	-	-	3671.75
				12/02/2020	102.26	-	-	3671.33
				03/10/2021	103.68	-	-	3669.91
				06/15/2021	103.20	-	-	3670.39
				09/09/2021	103.63	-	-	3669.96
				12/01/2021	104.07	-	-	3669.52
				03/16/2022	104.60	-	-	3668.99
				06/08/2022	105.00	-	-	3668.59
				09/09/2022	105.51	-	-	3668.08
				12/13/2022	106.10	-	-	3667.49
MW-4A 4"	3774.27	84	114	03/15/2016	95.26	-	-	3679.01
				06/13/2016	95.60	-	-	3678.67
				09/23/2016	96.07	-	-	3678.20
				11/30/2016	96.57	-	-	3677.70
				03/16/2017	96.81	-	-	3677.46
				06/01/2017	97.17	-	-	3677.10
				09/25/2017	97.68	-	-	3676.59
				12/13/2017	98.18	-	-	3676.09
				03/20/2018	98.47	-	-	3675.80
				06/18/2018	98.94	-	-	3675.33
				09/24/2018	99.56	-	-	3674.71
				12/18/2018	100.05	-	-	3674.22
				03/24/2019	100.29	-	-	3673.98
				06/19/2019	100.56	-	-	3673.71
				09/09/2019	100.95	-	-	3673.32
				12/16/2019	101.59	-	-	3672.68
				03/19/2020	102.00	-	-	3672.27
				06/16/2020	102.17	-	-	3672.10
				09/18/2020	102.70	-	-	3671.57
				12/02/2020	103.19	-	-	3671.08
				03/10/2021	103.62	-	-	3670.65
				06/15/2021	104.14	-	-	3670.13
				09/09/2021	104.54	-	-	3669.73
				12/01/2021	105.01	-	-	3669.26
				03/16/2022	105.55	-	-	3668.72
				06/08/2022	105.94	-	-	3668.33
				09/09/2022	106.47	-	-	3667.80
				12/13/2022	107.06	-	-	3667.21

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3772.08	60	100	03/15/2016	92.44	-	-	3679.64
				06/13/2016	NL	-	-	-
				09/22/2016	NL	-	-	-
				11/30/2016	NL	-	-	-
				03/16/2017	93.95	-	-	3678.13
				06/01/2017	94.31	-	-	3677.77
				09/25/2017	94.77	-	-	3677.31
				12/13/2017	95.36	-	-	3676.72
				03/20/2018	95.64	-	-	3676.44
				06/18/2018	95.09	-	-	3676.99
				09/24/2018	96.71	-	-	3675.37
				12/18/2018	97.20	-	-	3674.88
				03/24/2019	97.40	-	-	3674.68
				06/19/2019	97.70	-	-	3674.38
				09/09/2019	98.13	-	-	3673.95
				12/16/2019	98.77	-	-	3673.31
				03/18/2020	99.04	-	-	3673.04
				06/18/2020	99.35	-	-	3672.73
				09/21/2020	100.92	-	-	3671.16
				12/02/2020	100.36	-	-	3671.72
				03/10/2021	101.80	-	-	3670.28
				06/15/2021	100.30	-	-	3671.78
				09/09/2021	101.74	-	-	3670.34
				12/01/2021	102.14	-	-	3669.94
				03/16/2022	102.70	-	-	3669.38
				06/08/2022	103.08	-	-	3669.00
				09/09/2022	103.60	-	-	3668.48
				12/13/2022	104.19	-	-	3667.89
MW-6 4"	3772.99	60	100	03/15/2016	93.55	-	-	3679.44
				06/13/2016	93.90	-	-	3679.09
				09/23/2016	94.43	-	-	3678.56
				11/30/2016	94.84	-	-	3678.15
				03/16/2017	95.10	-	-	3677.89
				06/01/2017	95.50	-	-	3677.49
				09/25/2017	96.00	-	-	3676.99
				12/13/2017	96.49	-	-	3676.50
				03/20/2018	96.77	-	-	3676.22
				06/18/2018	97.20	-	-	3675.79
				09/24/2018	97.86	-	-	3675.13
				12/18/2018	98.25	-	-	3674.74
				03/24/2019	98.57	-	-	3674.42
				06/19/2019	98.87	-	-	3674.12
				09/09/2019	99.26	-	-	3673.73
				12/16/2019	99.89	-	-	3673.10
				03/19/2020	100.35	-	-	3672.64
				06/16/2020	100.47	-	-	3672.52
				09/18/2020	101.00	-	-	3671.99
				12/02/2020	101.50	-	-	3671.49
				03/10/2021	101.92	-	-	3671.07
				06/15/2021	102.58	-	-	3670.41
				09/09/2021	102.93	-	-	3670.06
				12/01/2021	103.41	-	-	3669.58
				03/16/2022	103.95	-	-	3669.04
				06/08/2022	104.24	-	-	3668.75
				09/09/2022	104.62	-	-	3668.37
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3772.92	60	100	03/15/2016	93.61	93.60	0.01	3679.32
				06/13/2016	93.92	-	-	3679.00
				09/23/2016	94.45	-	-	3678.47
				11/30/2016	94.87	-	-	3678.05
				03/16/2017	95.15	-	-	3677.77
				06/01/2017	95.51	-	-	3677.41
				09/25/2017	96.00	-	-	3676.92
				12/13/2017	96.51	-	-	3676.41
				03/20/2018	96.81	-	-	3676.11
				06/18/2018	97.23	-	-	3675.69
				09/24/2018	97.88	-	-	3675.04
				12/18/2018	98.35	-	-	3674.57
				03/24/2019	98.55	-	-	3674.37
				06/19/2019	98.87	-	-	3674.05
				09/09/2019	99.30	-	-	3673.62
				12/16/2019	100.93	-	-	3671.99
				03/19/2020	100.32	-	-	3672.60
				06/18/2020	100.57	-	-	3672.35
				09/21/2020	101.09	101.07	0.02	3671.85
				12/02/2020	101.41	-	-	3671.51
				03/10/2021	101.96	-	-	3670.96
				06/15/2021	102.46	-	-	3670.46
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-8 4"	3773.80	64	104	03/15/2016	94.78	-	-	3679.02
				06/13/2016	95.15	-	-	3678.65
				09/22/2016	95.60	-	-	3678.20
				11/30/2016	96.10	-	-	3677.70
				03/16/2017	96.36	-	-	3677.44
				06/01/2017	96.68	-	-	3677.12
				09/25/2017	97.22	-	-	3676.58
				12/13/2017	97.71	-	-	3676.09
				03/20/2018	97.99	-	-	3675.81
				06/18/2018	98.42	-	-	3675.38
				09/24/2018	99.06	-	-	3674.74
				12/18/2018	99.55	-	-	3674.25
				03/24/2019	99.80	-	-	3674.00
				06/19/2019	100.07	-	-	3673.73
				09/09/2019	100.48	-	-	3673.32
				12/16/2019	101.11	-	-	3672.69
				03/19/2020	101.50	-	-	3672.30
				06/16/2020	101.72	-	-	3672.08
				09/18/2020	102.20	-	-	3671.60
				12/02/2020	102.71	-	-	3671.09
				03/10/2021	103.15	-	-	3670.65
				06/15/2021	103.67	-	-	3670.13
				09/09/2021	104.10	-	-	3669.70
				12/01/2021	104.52	-	-	3669.28
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3771.79	60	100	03/15/2016	92.22	-	-	3679.57
				06/13/2016	92.55	-	-	3679.24
				09/22/2016	93.08	-	-	3678.71
				11/30/2016	93.51	-	-	3678.28
				03/16/2017	93.80	-	-	3677.99
				06/01/2017	94.15	-	-	3677.64
				09/25/2017	94.66	-	-	3677.13
				12/13/2017	95.14	-	-	3676.65
				03/20/2018	95.44	-	-	3676.35
				06/18/2018	95.87	-	-	3675.92
				09/24/2018	96.51	-	-	3675.28
				12/18/2018	96.99	-	-	3674.80
				03/24/2019	97.20	-	-	3674.59
				06/19/2019	97.50	-	-	3674.29
				09/09/2019	97.92	-	-	3673.87
				12/16/2019	98.55	-	-	3673.24
				03/19/2020	98.94	-	-	3672.85
				06/18/2020	99.16	-	-	3672.63
				09/21/2020	100.73	-	-	3671.06
				12/02/2020	100.15	-	-	3671.64
				03/10/2021	100.51	-	-	3671.28
				06/15/2021	101.17	-	-	3670.62
				09/09/2021	101.60	-	-	3670.19
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-10 4"	3771.90	61	101	03/15/2016	91.81	-	-	3680.09
				06/13/2016	92.15	-	-	3679.75
				09/22/2016	92.66	-	-	3679.24
				11/30/2016	93.12	-	-	3678.78
				03/16/2017	93.38	-	-	3678.52
				06/01/2017	93.76	-	-	3678.14
				09/25/2017	94.26	-	-	3677.64
				12/13/2017	94.75	-	-	3677.15
				03/20/2018	95.00	-	-	3676.90
				06/18/2018	95.49	-	-	3676.41
				09/24/2018	96.11	-	-	3675.79
				12/18/2018	96.58	-	-	3675.32
				03/24/2019	96.83	-	-	3675.07
				06/19/2019	97.09	-	-	3674.81
				09/09/2019	97.52	-	-	3674.38
				12/16/2019	98.16	-	-	3673.74
				03/18/2020	98.43	-	-	3673.47
				06/16/2020	98.70	-	-	3673.20
				09/21/2020	99.30	-	-	3672.60
				12/02/2020	99.74	-	-	3672.16
				03/10/2021	100.16	-	-	3671.74
				06/15/2021	100.69	-	-	3671.21
				09/09/2021	101.10	-	-	3670.80
				12/01/2021	101.55	-	-	3670.35
				03/16/2022	102.00	-	-	3669.90
				06/08/2022	102.42	-	-	3669.48
				09/09/2022	102.45	-	-	3669.45
				12/13/2022	103.50	-	-	3668.40

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3772.97	65	105	03/15/2016	93.25	-	-	3679.72
				06/13/2016	93.61	-	-	3679.36
				09/23/2016	94.11	-	-	3678.86
				11/30/2016	94.55	-	-	3678.42
				03/16/2017	94.81	-	-	3678.16
				06/01/2017	95.18	-	-	3677.79
				09/25/2017	95.74	-	-	3677.23
				12/13/2017	96.19	-	-	3676.78
				03/20/2018	96.45	-	-	3676.52
				06/18/2018	96.90	-	-	3676.07
				09/24/2018	97.58	-	-	3675.39
				12/18/2018	98.02	-	-	3674.95
				03/24/2019	98.23	-	-	3674.74
				06/19/2019	98.58	-	-	3674.39
				09/09/2019	98.96	-	-	3674.01
				12/16/2019	99.60	-	-	3673.37
				03/19/2020	99.95	-	-	3673.02
				06/16/2020	100.13	-	-	3672.84
				09/21/2020	100.77	-	-	3672.20
				12/02/2020	101.20	-	-	3671.77
				03/10/2021	101.60	-	-	3671.37
				06/15/2021	102.10	-	-	3670.87
				09/09/2021	102.55	-	-	3670.42
				12/01/2021	103.00	-	-	3669.97
				03/16/2022	103.55	-	-	3669.42
				06/08/2022	103.93	-	-	3669.04
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-12 4"	3773.80	65	105	03/15/2016	95.50	-	-	3678.30
				06/13/2016	94.83	-	-	3678.97
				09/22/2016	95.34	-	-	3678.46
				11/30/2016	95.79	-	-	3678.01
				03/16/2017	96.05	-	-	3677.75
				06/01/2017	96.40	-	-	3677.40
				09/25/2017	96.96	-	-	3676.84
				12/13/2017	97.44	-	-	3676.36
				03/20/2018	97.67	-	-	3676.13
				06/18/2018	98.14	-	-	3675.66
				09/24/2018	98.80	-	-	3675.00
				12/18/2018	99.31	-	-	3674.49
				03/24/2019	99.50	-	-	3674.30
				06/19/2019	99.77	-	-	3674.03
				09/09/2019	100.20	-	-	3673.60
				12/16/2019	100.85	-	-	3672.95
				03/19/2020	101.18	-	-	3672.62
				06/16/2020	101.37	-	-	3672.43
				09/18/2020	101.92	-	-	3671.88
				12/02/2020	102.45	-	-	3671.35
				03/10/2021	102.85	-	-	3670.95
				06/15/2021	103.38	-	-	3670.42
				09/09/2021	104.00	-	-	3669.80
				12/01/2021	104.26	-	-	3669.54
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3774.36	65	105	03/15/2016	95.48	-	-	3678.88
				06/13/2016	95.80	-	-	3678.56
				09/22/2016	96.30	-	-	3678.06
				11/30/2016	96.70	-	-	3677.66
				03/16/2017	97.05	-	-	3677.31
				06/01/2017	97.36	-	-	3677.00
				09/25/2017	97.88	-	-	3676.48
				12/13/2017	98.38	-	-	3675.98
				03/20/2018	98.68	-	-	3675.68
				06/18/2018	99.11	-	-	3675.25
				09/24/2018	99.71	-	-	3674.65
				12/18/2018	100.24	-	-	3674.12
				03/24/2019	100.45	-	-	3673.91
				06/19/2019	100.75	-	-	3673.61
				09/09/2019	101.16	-	-	3673.20
				12/16/2019	101.80	-	-	3672.56
				03/19/2020	102.20	-	-	3672.16
				06/16/2020	102.39	-	-	3671.97
				09/21/2020	102.60	-	-	3671.76
				12/02/2020	103.41	-	-	3670.95
				03/10/2021	103.83	-	-	3670.53
				06/15/2021	104.35	-	-	3670.01
				09/09/2021	104.77	-	-	3669.59
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-14 4"	3774.40	66	106	03/15/2016	95.85	-	-	3678.55
				06/13/2016	96.16	-	-	3678.24
				09/23/2016	96.61	-	-	3677.79
				11/30/2016	97.07	-	-	3677.33
				03/16/2017	93.75	-	-	3680.65
				06/01/2017	97.70	-	-	3676.70
				09/25/2017	NL	-	-	-
				12/13/2017	NL	-	-	-
				03/20/2018	NL	-	-	-
				06/18/2018	NL	-	-	-
				09/24/2018	DR	-	-	-
				12/18/2018	DR	-	-	-
				03/24/2019	DR	-	-	-
				06/19/2019	DR	-	-	-
				09/09/2019	DR	-	-	-
				12/16/2019	DR	-	-	-
				03/19/2020	DR	-	-	-
				06/16/2020	DR	-	-	-
				09/18/2020	DR	-	-	-
				12/02/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3774.03	67	107	03/15/2016	95.62	-	-	3678.41
				06/13/2016	95.92	-	-	3678.11
				09/23/2016	96.38	-	-	3677.65
				11/30/2016	96.81	-	-	3677.22
				03/16/2017	97.17	-	-	3676.86
				06/01/2017	NL	-	-	-
				09/25/2017	NL	-	-	-
				12/13/2017	NL	-	-	-
				03/20/2018	NL	-	-	-
				06/18/2018	NL	-	-	-
				09/24/2018	DR	-	-	-
				12/18/2018	DR	-	-	-
				03/24/2019	DR	-	-	-
				06/19/2019	DR	-	-	-
				09/09/2019	DR	-	-	-
				12/16/2019	DR	-	-	-
				03/19/2020	DR	-	-	-
				06/16/2020	DR	-	-	-
				09/18/2020	DR	-	-	-
				12/02/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/09/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-16 4"	3773.95	67	107	03/15/2016	95.41	-	-	3678.54
				06/13/2016	95.74	-	-	3678.21
				09/22/2016	96.23	-	-	3677.72
				11/30/2016	96.63	-	-	3677.32
				03/16/2017	97.00	-	-	3676.95
				06/01/2017	NL	-	-	-
				09/25/2017	NL	-	-	-
				12/13/2017	NL	-	-	-
				03/20/2018	NL	-	-	-
				06/18/2018	NL	-	-	-
				09/24/2018	DR	-	-	-
				12/18/2018	DR	-	-	-
				03/24/2019	DR	-	-	-
				06/19/2019	DR	-	-	-
				09/09/2019	DR	-	-	-
				12/16/2019	DR	-	-	-
				03/19/2020	DR	-	-	-
				06/16/2020	DR	-	-	-
				09/18/2020	DR	-	-	-
				12/02/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/08/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3771.26	64	104	03/15/2016	91.47	-	-	3679.79
				06/13/2016	92.08	-	-	3679.18
				09/22/2016	92.57	-	-	3678.69
				11/30/2016	92.97	-	-	3678.29
				03/16/2017	93.29	-	-	3677.97
				06/01/2017	93.63	-	-	3677.63
				09/25/2017	94.15	-	-	3677.11
				12/13/2017	94.64	-	-	3676.62
				03/20/2018	94.64	-	-	3676.62
				06/18/2018	95.39	-	-	3675.87
				09/24/2018	96.00	-	-	3675.26
				12/18/2018	96.50	-	-	3674.76
				03/24/2019	96.71	-	-	3674.55
				06/19/2019	97.00	-	-	3674.26
				09/09/2019	97.40	-	-	3673.86
				12/16/2019	98.04	-	-	3673.22
				03/18/2020	98.85	-	-	3672.41
				06/16/2020	98.67	-	-	3672.59
				09/21/2020	99.20	-	-	3672.06
				12/02/2020	99.61	-	-	3671.65
				03/10/2021	100.07	-	-	3671.19
				06/15/2021	100.61	-	-	3670.65
				09/08/2021	101.00	-	-	3670.26
				12/01/2021	101.44	-	-	3669.82
				03/16/2022	102.00	-	-	3669.26
				06/08/2022	102.38	-	-	3668.88
				09/09/2022	102.89	-	-	3668.37
				12/13/2022	103.45	-	-	3667.81
MW-18 4"	3772.41	64	104	03/15/2016	93.11	-	-	3679.30
				06/13/2016	93.45	-	-	3678.96
				09/22/2016	93.96	-	-	3678.45
				11/30/2016	94.35	-	-	3678.06
				03/16/2017	94.68	-	-	3677.73
				06/01/2017	95.01	-	-	3677.40
				09/25/2017	95.53	-	-	3676.88
				12/13/2017	96.02	-	-	3676.39
				03/20/2018	96.31	-	-	3676.10
				06/18/2018	96.74	-	-	3675.67
				09/24/2018	97.36	-	-	3675.05
				12/18/2018	97.78	-	-	3674.63
				03/24/2019	98.12	-	-	3674.29
				06/19/2019	98.39	-	-	3674.02
				09/09/2019	98.81	-	-	3673.60
				12/16/2019	99.43	-	-	3672.98
				03/18/2020	99.70	-	-	3672.71
				06/16/2020	100.07	-	-	3672.34
				09/21/2020	100.62	-	-	3671.79
				12/02/2020	100.99	-	-	3671.42
				03/10/2021	101.46	-	-	3670.95
				06/15/2021	102.00	-	-	3670.41
				09/08/2021	102.40	-	-	3670.01
				12/01/2021	102.85	-	-	3669.56
				03/16/2022	103.40	-	-	3669.01
				06/08/2022	103.80	-	-	3668.61
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3773.63	65	105	03/15/2016	94.57	-	-	3679.06
				06/13/2016	94.91	-	-	3678.72
				09/22/2016	95.42	-	-	3678.21
				11/30/2016	95.79	-	-	3677.84
				03/16/2017	96.14	-	-	3677.49
				06/01/2017	96.47	-	-	3677.16
				09/25/2017	96.98	-	-	3676.65
				12/13/2017	97.50	-	-	3676.13
				03/20/2018	97.77	-	-	3675.86
				06/18/2018	98.20	-	-	3675.43
				09/24/2018	98.82	-	-	3674.81
				12/18/2018	99.34	-	-	3674.29
				03/24/2019	99.61	-	-	3674.02
				06/19/2019	99.86	-	-	3673.77
				09/09/2019	100.27	-	-	3673.36
				12/16/2019	100.89	-	-	3672.74
				03/18/2020	101.22	-	-	3672.41
				06/16/2020	101.55	-	-	3672.08
				09/21/2020	102.10	-	-	3671.53
				12/02/2020	102.47	-	-	3671.16
				03/10/2021	102.95	-	-	3670.68
				06/15/2021	103.47	-	-	3670.16
				09/08/2021	103.87	-	-	3669.76
				12/01/2021	DR	-	-	-
				03/16/2022	DR	-	-	-
				06/08/2022	DR	-	-	-
				09/09/2022	DR	-	-	-
				12/13/2022	DR	-	-	-
MW-20 4"	3770.92	63	103	03/15/2016	91.42	-	-	3679.50
				06/13/2016	91.73	-	-	3679.19
				09/22/2016	92.25	-	-	3678.67
				11/30/2016	92.66	-	-	3678.26
				03/16/2017	93.00	-	-	3677.92
				06/01/2017	93.29	-	-	3677.63
				09/25/2017	93.82	-	-	3677.10
				12/13/2017	94.29	-	-	3676.63
				03/20/2018	94.60	-	-	3676.32
				06/18/2018	95.02	-	-	3675.90
				09/24/2018	95.63	-	-	3675.29
				12/18/2018	96.15	-	-	3674.77
				03/24/2019	96.41	-	-	3674.51
				06/19/2019	96.67	-	-	3674.25
				09/09/2019	97.09	-	-	3673.83
				12/16/2019	97.68	-	-	3673.24
				03/18/2020	98.00	-	-	3672.92
				06/16/2020	98.35	-	-	3672.57
				09/21/2020	98.90	-	-	3672.02
				12/02/2020	99.28	-	-	3671.64
				03/10/2021	99.78	-	-	3671.14
				06/15/2021	100.19	-	-	3670.73
				09/08/2021	100.67	-	-	3670.25
				12/01/2021	101.14	-	-	3669.78
				03/16/2022	101.70	-	-	3669.22
				06/08/2022	102.07	-	-	3668.85
				09/09/2022	102.56	-	-	3668.36
				12/13/2022	102.96	-	-	3667.96

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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"	3773.30	64	104	03/15/2016	91.06	-	-	3682.24
				06/13/2016	94.38	-	-	3678.92
				09/22/2016	94.90	-	-	3678.40
				11/30/2016	95.30	-	-	3678.00
				03/16/2017	95.60	-	-	3677.70
				06/01/2017	95.95	-	-	3677.35
				09/25/2017	96.45	-	-	3676.85
				12/13/2017	96.94	-	-	3676.36
				03/20/2018	97.25	-	-	3676.05
				06/18/2018	97.70	-	-	3675.60
				09/24/2018	98.30	-	-	3675.00
				12/18/2018	98.80	-	-	3674.50
				03/24/2019	99.07	-	-	3674.23
				06/19/2019	99.33	-	-	3673.97
				09/09/2019	99.73	-	-	3673.57
				12/16/2019	100.34	-	-	3672.96
				03/18/2020	100.69	-	-	3672.61
				06/16/2020	DS	-	-	-
MW-21A	3768.44	95	115	09/21/2020	101.70	-	-	3666.74
				12/02/2020	102.04	-	-	3666.40
				03/10/2021	102.56	-	-	3665.88
				06/15/2021	103.03	-	-	3665.41
				09/08/2021	103.50	-	-	3664.94
				12/01/2021	103.93	-	-	3664.51
				03/16/2022	104.50	-	-	3663.94
				06/08/2022	104.87	-	-	3663.57
				09/09/2022	105.36	-	-	3663.08
				12/13/2022	105.94	-	-	3662.50
MW-22 2"	3772.92	80	110	03/15/2016	94.90	-	-	3678.02
				06/13/2016	95.19	-	-	3677.73
				09/22/2016	95.67	-	-	3677.25
				11/30/2016	96.06	-	-	3676.86
				03/16/2017	96.41	-	-	3676.51
				06/01/2017	96.73	-	-	3676.19
				09/25/2017	97.26	-	-	3675.66
				12/13/2017	97.46	-	-	3675.46
				03/20/2018	98.02	-	-	3674.90
				06/18/2018	98.51	-	-	3674.41
				09/24/2018	98.91	-	-	3674.01
				12/18/2018	99.66	-	-	3673.26
				03/24/2019	99.91	-	-	3673.01
				06/19/2019	102.10	-	-	3670.82
				09/09/2019	100.57	-	-	3672.35
				12/16/2019	101.18	-	-	3671.74
				03/19/2020	101.61	-	-	3671.31
				06/16/2020	101.81	-	-	3671.11
				09/18/2020	102.35	-	-	3670.57
				12/02/2020	102.79	-	-	3670.13
				03/10/2021	103.31	-	-	3669.61
				06/15/2021	103.82	-	-	3669.10
				09/08/2021	104.30	-	-	3668.62
				12/01/2021	104.66	-	-	3668.26
				03/16/2022	105.25	-	-	3667.67
				06/08/2022	105.63	-	-	3667.29
				09/09/2022	106.11	-	-	3666.81
				12/13/2022	106.72	-	-	3666.20

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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 2"	3773.87	84	114	03/15/2016	95.75	-	-	3678.12
				06/13/2016	96.03	-	-	3677.84
				09/22/2016	96.50	-	-	3677.37
				11/30/2016	96.94	-	-	3676.93
				03/16/2017	97.29	-	-	3676.58
				06/01/2017	97.60	-	-	3676.27
				09/25/2017	98.11	-	-	3675.76
				12/13/2017	98.61	-	-	3675.26
				03/20/2018	98.93	-	-	3674.94
				06/18/2018	99.35	-	-	3674.52
				09/24/2018	99.95	-	-	3673.92
				12/18/2018	100.51	-	-	3673.36
				03/24/2019	109.77	-	-	3664.10
				06/19/2019	101.05	-	-	3672.82
				09/09/2019	101.46	-	-	3672.41
				12/16/2019	102.01	-	-	3671.86
				03/19/2020	102.43	-	-	3671.44
				06/16/2020	102.68	-	-	3671.19
				09/18/2020	103.22	-	-	3670.65
				12/02/2020	103.65	-	-	3670.22
				03/10/2021	104.14	-	-	3669.73
				06/15/2021	104.65	-	-	3669.22
				09/08/2021	105.05	-	-	3668.82
				12/01/2021	105.51	-	-	3668.36
				03/16/2022	106.10	-	-	3667.77
				06/08/2022	106.50	-	-	3667.37
				09/09/2022	106.97	-	-	3666.90
				12/13/2022	107.57	-	-	3666.30

Specific Gravity: 0.75
Notes:
DR = Well dry
DS = Well destroyed
NG = Well not gauged
NL = Well not located
NSA = No access
OB = Obstruction in well
PA = Well plugged and abandoned
FMSL = Feet above mean sea level

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-1	09/24/2018	-	-	-	-	-	-	DR
	12/20/2018	-	-	-	-	-	-	DR
	06/19/2019	-	-	-	-	-	-	DR
	09/09/2019	-	-	-	-	-	-	DR
MW-2	09/24/2018	-	-	-	-	-	-	DR
	12/20/2018	-	-	-	-	-	-	DR
MW-3A	03/15/2016	<0.00022	0.00110	<0.00024	<0.00024	-	-	-
	06/15/2016	0.00100	0.00130	<0.000763	0.00110	-	-	-
	09/23/2016	0.00510	0.00810	<0.000238	0.00380	-	-	-
	12/02/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	**0.0145**	0.0218	<0.000657	0.0124	-	-	-
	06/01/2017	<0.000408	0.00297	0.00134 J	0.00293	0.00724	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	0.00924	0.00973	<0.000657	0.00838	0.0274	-	-
	03/21/2018	<0.000408	0.000670 J	<0.000657	<0.000630	0.000670 J	-	-
	06/18/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J	-	-
	09/26/2018	<0.000408	0.0210	<0.000657	<0.000630	0.0210	-	-
	12/20/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J	-	-
	03/25/2019	0.000790	<0.0005	<0.0005	<0.000500	0.000790	-	-
	06/19/2019	**0.0224**	0.0428	0.0235	0.0208	0.110	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/20/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	09/21/2020	0.00858	<0.000367	<0.000657	<0.000630	0.00858	-	-
	12/04/2020	0.00110 J	0.00102 J	<0.002000	0.001040 J	0.003160	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000705 J B	<0.00200	<0.00400	0.000705 J B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	06/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	09/12/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	12/13/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
MW-4A	03/15/2016	**0.206**	0.00150	0.0124	0.00120	-	-	-
	06/15/2016	**0.0740**	0.0265	0.00280	0.00680	-	-	-
	09/23/2016	**0.0302**	0.0118	0.00250	0.00430	-	-	-
	12/02/2016	0.00255	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	0.00273	0.00201	<0.000657	0.000970 J	0.00571	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/27/2018	<0.000408	0.00715	<0.000657	<0.000630	0.00715	-	-
	12/20/2018	0.00100 J	<0.000512	<0.000616	<0.000270	0.00100 J	-	-
	03/25/2019	0.00704	<0.0005	0.00123	<0.000500	0.00827	-	-
	06/19/2019	0.00600	0.00400	<0.00308	<0.00135	0.0100	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/20/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	09/18/2020	0.00675	<0.000367	<0.000657	<0.000630	0.00675	-	-
	12/04/2020	0.00102 J	0.000660 J	<0.002000	0.0009600 J	0.002640	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/16/2021	0.00156 J	0.00319 B	<0.00200	0.00218 J	0.00693 B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	0.000440 J	<0.000657	<0.000642	<0.000657	-	-
	06/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	09/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	12/13/2022	0.000767 J	<0.000367	<0.000657	<0.000642	0.000767 J	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-5	03/17/2016	**0.0362**	0.0315	0.00430	0.0222	-	-	-
	03/23/2017	**0.0525**	0.0315	0.0217	0.0510	-	-	-
	06/02/2017	**0.282**	0.123	0.0567	0.210	0.672	-	-
	09/26/2017	**0.284**	0.0656	0.0195	0.0676	0.437	-	-
	12/21/2017	**0.0396**	0.0154	0.00589	0.0114	0.0723	-	-
	03/21/2018	0.00312	0.00214	<0.000657	0.00308	0.00834	-	-
	06/18/2018	0.00880	0.00830	0.000700 J	0.00470	0.0225	-	-
	09/27/2018	**0.0334**	0.0200	0.00141 J	0.00914	0.0640	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	0.000900 J	0.000900 J	-	-
	03/26/2019	**0.0183**	0.00408	0.00182	0.00681	0.0310	-	-
	06/20/2019	**0.0440**	0.0414	0.00270	0.0168	0.105	-	-
	09/14/2019	0.00259	0.00384	<0.000657	<0.00063	0.00643	-	-
	12/19/2019	0.00391	0.00110	<0.000657	0.000690	0.00570	-	-
	03/21/2020	0.00450	0.00140	0.00140	0.00420	0.0115	-	-
	06/18/2020	0.00315	0.00206	<0.000657	<0.000630	0.00521	-	-
	09/22/2020	0.00558	0.00268	<0.000657	<0.000630	0.00826	-	-
	12/05/2020	0.00589	0.00904	0.00160 J	0.005810	0.02234	-	-
	03/10/2021	0.000606 J H	0.000742 J H	<0.00200 H	<0.00400 H	0.00135 J H	-	-
	06/16/2021	0.000702 J	0.00199 J B	<0.00200	0.00590	0.00859 B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	0.00126 J	0.00239	<0.00200	0.00193 J	0.00558	-	-
	03/17/2022	0.00382	0.00448	0.000857 J	0.00262 J	0.0118	-	-
	06/08/2022	0.000959 J	0.000872 J	<0.000657	0.000842 J	0.00267 J	-	-
	09/09/2022	**0.0149**	0.00956	<0.000657	0.00488	0.0293	-	-
MW-6	03/17/2016	**0.453**	0.118	0.0703	0.182	-	-	-
	06/15/2016	**0.574**	0.418	0.0912	0.358	-	-	-
	09/23/2016	**0.424**	0.240	0.200	0.384	-	-	-
	12/02/2016	**1.66**	0.141	0.0412	0.139	-	-	-
	03/23/2017	**1.50**	0.228	0.0532	0.235	-	-	-
	06/02/2017	**0.0507**	0.00523	0.00116 J	0.00699	0.0641	-	-
	09/26/2017	**0.0531**	0.0189	0.0235	0.0563	0.152	-	-
	12/21/2017	**1.02**	0.467	0.179	0.494	2.16	-	-
	03/21/2018	**0.836**	0.0318	0.0141 J	0.0967	0.979	-	-
	06/18/2018	**1.82**	0.322	0.0570	0.158	2.36	-	-
	09/27/2018	**0.619 D**	0.0592	0.0104	0.0415	0.730	-	-
	12/27/2018	**0.185**	0.00598	0.00131 J	0.0257	0.218	-	-
	03/24/2019	**0.645**	0.106	0.0194	0.0926	0.863	-	-
	06/20/2019	**0.170**	0.00290	0.00330	0.0115	0.188	-	-
	09/15/2019	**0.173**	0.0116	0.00404	0.0374	0.226	-	-
	12/19/2019	**0.119**	0.000670	0.00226	0.00546	0.127	-	-
	03/19/2020	**0.0130**	0.00230	<0.000616	0.00320	0.0185	-	-
	06/18/2020	0.00781	0.00376	<0.000657	<0.000630	0.0116	-	-
	09/18/2020	0.00873	0.00215	<0.000657	<0.000630	0.0109	-	-
	12/05/2020	0.0656	0.0217	0.00288	0.02890	0.1191	-	-
	03/11/2021	**0.151**	<0.00200	<0.00200	0.0168	0.168	-	-
	06/16/2021	<0.00200	0.000816 J B	<0.00200	<0.00400	0.000816 J B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	0.00713	0.00356	0.000959 J	0.00329 J	0.0149	-	-
MW-7	06/15/2016	**0.278**	0.203	0.0100	0.0598	-	-	-
	09/23/2016	**0.0760**	0.0652	0.00610	0.0227	-	-	-
	12/02/2016	**1.86**	0.0540	0.390	0.588	-	-	-
	03/23/2017	**2.27**	0.391	0.223	0.402	-	-	-
	06/02/2017	**0.115**	0.00556	0.0110	0.0132	0.145	-	-
	09/26/2017	**3.59 D**	0.141	0.200	0.224	4.15	-	-
	12/21/2017	**0.169**	0.0167	0.00907	0.0120	0.207	-	-
	03/21/2018	**0.354**	0.00755	0.0177	0.0137	0.393	-	-
	06/18/2018	**0.254**	0.00740	0.00940	0.00630	0.277	-	-
	09/27/2018	**0.315**	0.0161	0.00551	0.00827	0.345	-	-
	12/20/2018	**0.108**	0.00380	0.00100 J	0.00290	0.116	-	-
	03/25/2019	**0.0513**	0.00539	0.00148	0.00450	0.0627	-	-
	06/21/2019	**0.323**	<0.00256	<0.00308	0.0150	0.338	-	-
	09/14/2019	**0.335**	0.0154	0.00755	0.0102	0.368	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/20/2020	**0.0557**	0.00730	0.00170	0.00700	0.0717	-	-
	06/18/2020	**0.0973**	0.00183 J	0.0288	0.0496	0.178	-	-
	12/04/2020	0.00675	0.00382	0.000810 J	0.003320	0.01470	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-8	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	0.000700 J	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/01/2017	0.00159 J	<0.00100	<0.000657	<0.000642	0.00159 J	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	0.00110	<0.000512	<0.000616	<0.000270	0.00110	-	-
	09/26/2018	<0.000408	0.339	<0.000657	<0.000630	0.339	-	-
	12/20/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J	-	-
	03/25/2019	0.00342	<0.0005	0.000890	<0.000500	0.00431	-	-
	06/19/2019	0.00600	<0.000512	<0.000616	<0.000270	0.00600	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/20/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	0.000660 J	<0.000367	<0.000657	<0.000630	0.000660 J	-	-
	09/18/2020	0.00825	<0.000367	<0.000657	<0.000630	0.00825	-	-
	12/02/2020	0.00121 J	0.00125 J	0.000890 J	0.002820	0.006170	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000834 J B	<0.00200	<0.00400	0.000834 J B	-	-
MW-9	03/17/2016	**0.259**	0.269	0.0770	0.139	-	-	-
	06/15/2016	**0.220**	0.247	0.0176	0.0882	-	-	-
	09/22/2016	**0.253**	0.283	0.0830	0.186	-	-	-
	12/02/2016	**0.171**	0.116	0.0476	0.124	-	-	-
	03/23/2017	**0.370**	0.111	0.0819	0.201	-	-	-
	06/02/2017	**0.0359**	0.0214	0.00718	0.0192	0.0836	-	-
	09/26/2017	**4.95**	**2.31**	**0.902**	**2.32**	10.5	-	-
	12/21/2017	**1.29**	0.0543	0.0157	0.0958	1.46	-	-
	03/21/2018	**0.386**	0.0102	0.219	0.359	0.974	-	-
	06/18/2018	**0.136**	0.0100	0.0290	0.0700	0.245	-	-
	09/27/2018	**0.110**	0.0163	0.0204	0.0345	0.181	-	-
	12/20/2018	0.00610	<0.000512	0.000700 J	0.00310	0.00990	-	-
	03/25/2019	**0.0788**	0.00283	0.0378	0.0103	0.130	-	-
	06/20/2019	**0.384**	0.0153	0.0654	0.109	0.573	-	-
	09/15/2019	**0.478**	0.0406	0.0513	0.221	0.791	-	-
	12/19/2019	**0.224**	0.00580	0.0616	0.138	0.430	-	-
	03/20/2020	**0.246**	0.00110	0.0718	0.137	0.456	-	-
	06/18/2020	**0.158**	<0.000367	0.0493	0.0856	0.293	-	-
	09/21/2020	**0.0726**	0.00124 J	0.0139	0.0270	0.115	-	-
	12/04/2020	0.154	0.00175 J	0.0359	0.04010	0.2318	-	-
	03/10/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200		
	06/16/2021	0.00229	0.00587 B	<0.00200	0.00365 J	0.0118 B	-	-
MW-10	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	0.000400 J	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/01/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	<0.000408	0.00204	<0.000657	<0.000630	0.00204	-	-
	12/20/2018	0.00130	<0.000512	<0.000616	<0.000270	0.00130	-	-
	03/26/2019	0.00203	<0.0005	<0.0005	<0.000500	0.00203	-	-
	06/20/2019	<0.000480	0.00130	<0.000616	<0.000270	0.00130	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/18/2019	0.000780	<0.000367	<0.000657	<0.000630	0.000780	-	-
	03/20/2020	0.00430	<0.000512	0.00390	0.00700	0.0152	-	-
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	09/21/2020	**0.0138**	<0.000367	<0.000657	<0.000630	0.0138	-	-
	12/04/2020	0.000590 J	0.000720 JF	<0.002000	0.0008700 J	0.002180	-	-
	03/10/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000955 J B	<0.00200	<0.00400	0.000955 J B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	06/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	09/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-11	03/15/2016	**0.722**	<0.0119	<0.0119	<0.0122	-	-	-
	06/15/2016	**0.371**	<0.0310	<0.0382	<0.0128	-	-	-
	09/23/2016	**0.0200**	0.00160	<0.000238	0.000900 J	-	-	-
	12/02/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/01/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	0.00123 J	0.00808	<0.000657	<0.000630	0.00931	-	-
	12/20/2018	0.000700 J	<0.000512	<0.000616	<0.000270	0.000700 J	-	-
	03/26/2019	0.000560	<0.0005	<0.0005	<0.000500	0.000560	-	-
	06/21/2019	0.00300	<0.000512	<0.000616	<0.000270	0.00300	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/18/2019	0.00105	<0.000367	<0.000657	<0.000630	0.00105	-	-
	03/19/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	09/21/2020	0.00471	<0.000367	<0.000657	<0.000630	0.00471	-	-
	12/02/2020	0.00133 J	0.00101 J	<0.002000	0.0007400 J	0.003080	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000780 J B	<0.00200	<0.00400	0.000780 J B	-	-
	09/09/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
MW-12	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/01/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/27/2018	<0.000408	0.0365	<0.000657	<0.000630	0.0365	-	-
	12/20/2018	0.00110	<0.000512	<0.000616	<0.000270	0.00110	-	-
	03/24/2019	0.00602	<0.0005	0.000990	<0.000500	0.00701	-	-
	06/20/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/19/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/18/2020	0.00130 J	<0.000367	<0.000657	<0.000630	0.00130 J	-	-
	09/18/2020	**0.0142**	<0.000367	0.00196 J	0.000850 J	0.0170	-	-
	12/02/2020	0.000910 J	0.00158 J	<0.002000	0.0008400 J	0.003330	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000680 J B	<0.00200	<0.00400	0.000680 J B	-	-
MW-13	03/15/2016	0.00120	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	<0.000504	<0.000621	0.00580	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	0.000900 J	<0.000243	-	-	-
	11/30/2016	0.00230	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	<0.000408	0.00530	<0.000657	<0.000630	0.00530	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	03/25/2019	0.00583	<0.0005	0.00136	<0.000500	0.00719	-	-
	06/19/2019	0.00380	<0.000512	<0.000616	<0.000270	0.00380	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/20/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	0.00119 J	<0.000367	<0.000657	<0.000630	0.00119 J	-	-
	09/21/2020	**0.0111**	<0.000367	<0.000657	<0.000630	0.0111	-	-
	12/02/2020	0.00119 J	0.00103 J	0.00109 J	<0.0020000	0.003310	-	-
	03/11/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000909 J B	<0.00200	<0.00400	0.000909 J B	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-14	03/15/2016	**0.0410**	<0.00024	<0.00024	0.00280	-	-	-
	06/15/2016	**0.253**	<0.000621	<0.000763	0.00540	-	-	-
	09/23/2016	**0.462**	<0.00119	<0.00119	0.00580	-	-	-
	12/02/2016	**0.195**	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	**0.0238**	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	0.00247	<0.00100	<0.000657	<0.000642	0.00247	-	-
	09/24/2018	-	-	-	-	-	-	DR
	12/20/2018	-	-	-	-	-	-	DR
MW-15	03/15/2016	**0.983**	<0.0024	<0.0024	<0.0024	-	-	-
	06/15/2016	**1.64**	<0.0310	<0.0382	<0.0128	-	-	-
	09/23/2016	**3.47**	<0.0119	<0.0119	<0.0122	-	-	-
	12/02/2016	0.00464	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	**1.11**	<0.00918	<0.0164	<0.0157	-	-	-
	09/24/2018	-	-	-	-	-	-	DR
	12/20/2018	-	-	-	-	-	-	DR
MW-16	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/13/2016	0.000700 J	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	09/24/2018	-	-	-	-	-	-	DR
	12/20/2018	-	-	-	-	-	-	DR
MW-17	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	0.000620 J	<0.000657	<0.000630	0.000620 J	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	<0.000408	0.00234	<0.000657	<0.000630	0.00234	-	-
	12/20/2018	0.00240	<0.000512	<0.000616	<0.000270	0.00240	-	-
	03/26/2019	0.000740	<0.0005	<0.0005	<0.000500	0.000740	-	-
	06/20/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/19/2019	0.000740	<0.000367	<0.000657	<0.000630	0.000740	-	-
	03/21/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/19/2020	0.00284	0.000500 J	<0.000657	<0.000630	0.00334	-	-
	09/22/2020	0.00594	<0.000367	<0.000657	<0.000630	0.00594	-	-
	12/02/2020	0.00123 J	0.00123 J	0.000670 J	0.0009000 J	0.004030	-	-
	03/10/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.000966 J B	<0.00200	<0.00400	0.000966 J B	-	-
	09/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	09/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
MW-18	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	0.000640 J	<0.000657	<0.000630	0.000640 J	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	0.000660 J	0.00564	<0.000657	<0.000630	0.00630	-	-
	12/20/2018	0.00100 J	<0.000512	<0.000616	<0.000270	0.00100 J	-	-
	03/26/2019	0.000800	<0.0005	<0.0005	<0.000500	0.000800	-	-
	06/20/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/19/2019	0.000880	<0.000367	<0.000657	<0.000630	0.000880	-	-
	03/21/2020	<0.000480	<0.000512	0.000900 J	0.000800 J	0.00170	-	-
	06/19/2020	0.00136 J	<0.000367	<0.000657	<0.000630	0.00136 J	-	-
	09/22/2020	0.00496	<0.000367	<0.000657	<0.000630	0.00496	-	-
	12/02/2020	0.000630 J	0.00138 J	0.000810 J	0.002060	0.004880	-	-
	03/10/2021	<0.00200 H	<0.00200 H	<0.00200 H	<0.00400 H	<0.00400 H	-	-
	06/15/2021	<0.00200	0.00108 J B	<0.00200	<0.00400	0.00108 J B	-	-
	09/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-19	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	0.000730 J	<0.000657	<0.000630	0.000730 J	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/26/2018	<0.000408	0.00208	<0.000657	<0.000630	0.00208	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	03/26/2019	0.00466	0.000730	0.00122	<0.000500	0.00661	-	-
	06/20/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/19/2019	0.000990	<0.000367	<0.000657	<0.000630	0.000990	-	-
	03/21/2020	0.00110	<0.000512	0.000700 J	<0.000270	0.00180	-	-
	06/16/2020	0.00127 J	<0.000367	<0.000657	<0.000630	0.00127 J	-	-
	09/22/2020	0.00585	<0.000367	<0.000657	<0.000630	0.00585	-	-
	12/02/2020	0.00143 J	<0.002000	<0.002000	0.0008600 J	0.002290	-	-
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-	-
	06/15/2021	<0.00200	0.00113 J B	<0.00200	<0.00400	0.00113 J B	-	-
MW-20	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	0.00268	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/27/2018	<0.000408	0.0197	<0.000657	<0.000630	0.0197	-	-
	12/20/2018	0.00100 J	<0.000512	<0.000616	<0.000270	0.00100 J	-	-
	03/26/2019	<0.0005	<0.0005	<0.0005	<0.000500	<0.000500	-	-
	06/21/2019	0.00680	<0.000512	<0.000616	<0.000270	0.00680	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2020	0.00490	0.00160	0.00120	0.00360	0.0113	-	-
	06/16/2020	0.00153 J	<0.000367	<0.000657	<0.000630	0.00153 J	-	-
	09/22/2020	0.00876	<0.000367	<0.000657	<0.000630	0.00876	-	-
	12/02/2020	0.00105 J	0.00131 J	<0.002000	0.001090 J	0.003450	-	-
	03/10/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	-	-
	06/15/2021	<0.00200	0.00160 J B	<0.00200	0.000889 J	0.00249 J B	-	-
	09/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
MW-21	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/23/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/02/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/27/2018	<0.000408	0.0260	<0.000657	<0.000630	0.0260	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	03/26/2019	0.00360	<0.0005	0.00115	<0.000500	0.00475	-	-
	06/21/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2020	0.00140	0.000900 J	0.000800 J	0.00110	0.00420	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	MTBE (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-	-
MW-21A	09/22/2020	0.00468	<0.000367	<0.000657	<0.000630	0.00468	-	-
	12/02/2020	0.00137 J	0.000920 J	0.000730 J	0.001480 J	0.004500	-	-
	03/10/2021	<0.00200 H	<0.00200 H	<0.00200 H	<0.00400 H	<0.00400 H	-	-
	06/15/2021	<0.00200	0.00137 J B	<0.00200	<0.00400	0.00137 J B	-	-
	09/08/2021	<0.00200	<0.00200	0.000677 J	<0.00400	0.000677 J	-	-
	12/02/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-	-
	03/17/2022	<0.000408	0.000414 J	<0.000657	<0.000642	<0.000657	-	-
	06/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	09/12/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
	12/13/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-	-
MW-22	03/15/2016	0.00340	<0.00024	<0.00024	<0.00024	-	-	-
	06/15/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-	-	-
	09/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-	-
	03/24/2017	<0.000408	<0.000367	<0.000657	<0.000630	-	-	-
	06/01/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-	-
	09/26/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	0.00281	0.00281	-	-
	06/18/2018	0.00370	<0.000512	<0.000616	<0.000270	0.00370	-	-
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	03/24/2019	<0.0005	<0.0005	<0.0005	<0.000500	<0.000500	-	-
	06/21/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/14/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-	-
	12/18/2019	0.00155	<0.000367	<0.000657	<0.000630	0.00155	-	-
	03/19/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	0.00187 J	<0.000367	<0.000657	<0.000630	0.00187 J	-	-
	09/18/2020	**0.0465**	0.000570 JX	0.00296	<0.000630	0.0500	-	-
	12/04/2020	0.00149 J	0.00128 J	<0.002000	0.0006800 J	0.003450	-	-
	06/15/2021	<0.00200	0.000979 J B	<0.00200	<0.00400	0.000979 J B	-	-
	09/08/2021	<0.00200	<0.00200	0.000967 J	<0.00400	0.000967 J	-	-
MW-23	03/15/2016	<0.00022	<0.00024	<0.00024	<0.00024	-	-	-
	06/13/2016	0.00400	<0.000621	<0.000763	0.00070 J	-	-	-
	09/22/2016	**0.0134**	<0.000238	<0.000238	<0.000243	-	-	-
	11/30/2016	**0.0694**	<0.0200	<0.0131	<0.0128	-	-	-
	03/23/2017	**0.209**	0.00223	<0.000657	0.0124	-	-	-
	06/02/2017	**0.0538**	<0.00100	<0.000657	0.0109	0.0647	-	-
	09/26/2017	0.00199 J	0.00127 J	0.00255	0.0238	0.0296	-	-
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/21/2018	<0.000408	<0.000367	<0.000657	0.00628	0.00628	-	-
	06/18/2018	<0.000480	<0.000512	<0.000616	0.00420	0.00420	-	-
	09/26/2018	0.00279	<0.000367	<0.000657	0.00652	0.00931	-	-
	12/20/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	03/24/2019	<0.0005	<0.0005	<0.0005	<0.000500	<0.000500	-	-
	06/21/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	09/10/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	<0.00258	-
	12/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-	-
	03/19/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-	-
	06/17/2020	0.00138 J	<0.000367	<0.000657	<0.000630	0.00138 J	-	-
	09/18/2020	**0.0137**	<0.000367	0.00178 J	<0.000630	0.0155	-	-
	12/04/2020	0.00172 J	0.00160 J	0.000960 J	0.002090	0.006370	-	-
	06/15/2021	<0.00200	0.000794 J B	<0.00200	<0.00400	0.000794 J B	-	-
	09/08/2021	<0.00200	<0.00200	0.000805 J	<0.00400	0.000805 J	-	-

Notes:
mg/L = milligrams per Liter
DR = Dry
Lab Flags noted next to vales. See lab report for description.

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standards

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
Moore to Jal #2
Lea County, NM
SRS#: 2002-10273

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 Standards		-	-	-	-	0.0007	-	-	-	-	-	-	-	-	-	0.030	-	-
MW-3A	03/15/2016	<0.000033	<0.000058	<0.000032	<0.000072	<0.000042	<0.000071	<0.000052	<0.000056	<0.000081	<0.000056	<0.000061	<0.000064	<0.000079	<0.000054	<0.000066	<0.000052	<0.000041
	03/21/2018	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109
	03/25/2019	<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
MW-4A	03/15/2016	<0.000033	<0.000058	<0.000032	<0.000072	<0.000042	<0.000071	<0.000052	<0.000056	<0.000081	<0.000056	<0.000061	<0.000064	<0.000079	<0.000054	<0.000066	<0.000052	<0.000041
	03/21/2018	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108
	03/25/2019	<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
MW-5	03/17/2022	<0.0000998	<0.0000840	<0.0000898	<0.000134	<0.0000570	<0.0000699	<0.000113	<0.000116	<0.000156	<0.0000759	<0.0000998	<0.000157	<0.000101	<0.0000911	<0.0000970	<0.0000848	<0.000130
MW-6	12/02/2016	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.000150	<0.0000250	0.000833	<0.0000250	0.000996	<0.0000250	0.00458	0.000795	<0.0000250
	03/21/2018	<0.000107	0.000172 J	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	0.000466	<0.000107	0.000461	<0.000107	0.00517	0.000523	<0.000107
	03/24/2019	<0.0000042	<0.0000075	<0.0000078	<0.0000065	**0.000786**	<0.0000094	<0.0000082	<0.0000080	0.000270	<0.0000051	<0.0000055	0.0000623	<0.0000056	<0.0000051	0.0000675	<0.0000057	0.0000828
	03/19/2020	<0.000124	<0.000104	<0.000107	<0.000166	<0.0000706	<0.0000880	<0.000140	<0.000144	<0.000193	<0.0000941	-	<0.000195	<0.000125	<0.000113	<0.000120	<0.000105	<0.000161
MW-7	12/02/2016	0.000172	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.000189	<0.0000250	0.000634	<0.0000250	0.000714	<0.0000250	0.0201 D	0.000269	0.0000505
	03/21/2018	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	0.000209	<0.000109	0.000140 J	<0.000109	0.00107	<0.000109	<0.000109
	03/25/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	0.000149	<0.000005	0.0000429	0.0000399	0.0000561	<0.000005	0.000125	<0.0000056	0.0000465
	03/20/2020	<0.000124	<0.000105	<0.000108	<0.000167	<0.0000709	<0.0000884	<0.000141	<0.000144	<0.000194	<0.0000945	-	<0.000195	<0.000125	<0.000113	<0.000121	<0.000106	<0.000162
MW-8	11/30/2016	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250
	03/21/2018	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108
	03/25/2019	<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	0.0000422	<0.0000055	<0.0000092
	03/20/2020	<0.000115	<0.0000967	<0.0000995	<0.000154	<0.0000655	<0.0000816	<0.000130	<0.000133	<0.000179	<0.0000873	-	<0.000181	<0.000116	<0.000105	<0.000112	<0.0000976	<0.000150
MW-9	12/02/2016	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.0000694	0.0000535	<0.0000250	0.000491	<0.0000250	<0.0000250	0.000160	<0.0000250	<0.0000250	0.00207	<0.0000250	0.000159
	03/21/2018	0.000210	0.000308	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	0.000823	<0.000109	0.000612	<0.000109	0.0289	-	<0.000109
	03/25/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	0.0000719	<0.0000079	0.000198	<0.000005	<0.0000054	0.0000735	<0.0000055	<0.000005	0.000126	<0.0000056	0.000105
	03/20/2020	<0.000124	<0.000104	<0.000107	<0.000166	<0.0000705	<0.0000879	<0.000140	<0.000144	<0.000193	<0.0000939	-	<0.000194	<0.000125	<0.000113	0.00573	<0.000105	<0.000161
MW-10	03/17/2022	<0.000100	<0.0000844	<0.0000902	<0.000134	<0.0000572	<0.0000701	<0.000113	<0.000116	<0.000156	<0.0000761	<0.000100	<0.000157	<0.000101	<0.0000915	<0.0000974	<0.0000852	<0.000130
MW-11	03/17/2022	<0.000100	<0.0000842	<0.0000900	<0.000134	<0.0000571	<0.0000700	<0.000113	<0.000116	<0.000156	<0.0000760	<0.000100	<0.000157	<0.000101	<0.0000913	<0.0000972	<0.0000850	<0.000130
MW-17	03/17/2022	<0.000100	<0.0000842	<0.0000900	<0.000134	<0.0000571	<0.0000700	<0.000113	<0.000116	<0.000156	<0.0000760	<0.000100	<0.000157	<0.000101	<0.0000913	<0.0000972	<0.0000850	<0.000130
MW-18	12/05/2016	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250
	03/21/2018	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109
	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	0.0000621	<0.0000056	<0.0000093
	03/21/2020	<0.000119	<0.0000998	<0.000103	<0.000159	<0.0000677	<0.0000843	<0.000134	<0.000138	<0.000185	<0.0000901	-	<0.000186	<0.000119	<0.000108	<0.000115	<0.000101	<0.000155
MW-20	03/17/2022	<0.0000986	<0.0000830	<0.0000887	<0.000132	<0.0000563	<0.0000690	<0.000111	<0.000114	<0.000154	<0.0000749	<0.0000986	<0.000155	<0.0000996	<0.0000900	<0.0000958	<0.0000838	<0.000128
MW-21A	03/10/2021	<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
	03/17/2022	<0.0000980	<0.0000825	<0.0000882	<0.000131	<0.0000560	<0.0000686	<0.000111	<0.000114	<0.000153	<0.0000745	<0.0000980	<0.000154	<0.0000990	<0.0000895	<0.0000953	<0.0000833	<0.000127
MW-22	03/15/2016	<0.000033	<0.000058	<0.000032	<0.000072	<0.000042	<0.000071	<0.000052	<0.000056	<0.000081	<0.000056	<0.000061	<0.000064	<0.000079	<0.000054	<0.000066	<0.000052	<0.000041
	03/21/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.000948	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/24/2019	<0.0000042	<0.0000075	<0.0000077	<0.0000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	0.000270	<0.0000091	0.0000366	<0.0000050	<0.0000046	<0.0000056	<0.0000094
	03/19/2020	<0.000111	<0.0000933	<0.0000960	<0.000149	<0.0000632	<0.0000788	<0.000125	<0.000129	<0.000173	<0.0000842	-	<0.000174	<0.000112	<0.000101	<0.000108	<0.0000942	<0.000144
MW-23	03/15/2016	<0.000033	<0.000058	<0.000032	<0.000072	**0.00983**	<0.000071	0.0333	<0.000056	<0.000081	0.107	<0.000061	<0.000064	<0.000079	0.168	<0.000066	<0.000052	<0.000041
	03/21/2018	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	<0.000110	0.000889	<0.000110	<0.000110
	03/24/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000209	<0.0000090	0.0000325	<0.0000049	0.000416	0.000184	<0.0000092
	03/19/2020	<0.000116	<0.0000980	<0.000101	<0.000157	<0.0000664	<0.0000828	<0.000132	<0.000135	<0.000182	<0.0000885	-	<0.000183	<0.000117	<0.000106	<0.000113	<0.0000990	<0.000152

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

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standards

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: 890-2101-1
Client Project/Site: Moore to Jal #2 (MTJ2)

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

Attn: David Adkins

JKramer

Authorized for release by:
3/28/2022 4:32:57 PM

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

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Laboratory Job ID: 890-2101-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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 #2 (MTJ2)

Job ID: 890-2101-1

Job ID: 890-2101-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2101-1

Receipt
The samples were received on 3/17/2022 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC/MS Semi VOA
Method 8270D_SIM: Surrogate recovery for the following samples were outside the upper control limit: MW-21A (890-2101-1), MW-20 (890-2101-4) and MW-17 (890-2101-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D_SIM: Surrogate recovery for the following samples were outside the upper control limit: MW-10 (890-2101-6) and MW-11 (890-2101-7). This sample did not contain any target analytes; 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.

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-21A
Lab Sample ID: 890-2101-1
Date Collected: 03/17/22 08:45
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000980	U	0.000178	0.0000980	mg/L		03/21/22 18:13	03/22/22 15:44	1
Acenaphthylene	<0.0000825	U	0.000178	0.0000825	mg/L		03/21/22 18:13	03/22/22 15:44	1
Anthracene	<0.0000882	U	0.000178	0.0000882	mg/L		03/21/22 18:13	03/22/22 15:44	1
Benzo[a]anthracene	<0.000131	U	0.000178	0.000131	mg/L		03/21/22 18:13	03/22/22 15:44	1
Benzo[a]pyrene	<0.0000560	U	0.000178	0.0000560	mg/L		03/21/22 18:13	03/22/22 15:44	1
Benzo[b]fluoranthene	<0.0000686	U	0.000178	0.0000686	mg/L		03/21/22 18:13	03/22/22 15:44	1
Benzo[g,h,i]perylene	<0.000111	U	0.000178	0.000111	mg/L		03/21/22 18:13	03/22/22 15:44	1
Benzo[k]fluoranthene	<0.000114	U	0.000178	0.000114	mg/L		03/21/22 18:13	03/22/22 15:44	1
Chrysene	<0.000153	U	0.000178	0.000153	mg/L		03/21/22 18:13	03/22/22 15:44	1
Dibenz(a,h)anthracene	<0.0000745	U	0.000178	0.0000745	mg/L		03/21/22 18:13	03/22/22 15:44	1
Dibenzofuran	<0.0000980	U	0.000178	0.0000980	mg/L		03/21/22 18:13	03/22/22 15:44	1
Fluoranthene	<0.000154	U	0.000178	0.000154	mg/L		03/21/22 18:13	03/22/22 15:44	1
Fluorene	<0.0000990	U	0.000178	0.0000990	mg/L		03/21/22 18:13	03/22/22 15:44	1
Indeno[1,2,3-cd]pyrene	<0.0000895	U	0.000178	0.0000895	mg/L		03/21/22 18:13	03/22/22 15:44	1
Naphthalene	<0.0000953	U	0.00357	0.0000953	mg/L		03/21/22 18:13	03/22/22 15:44	1
Phenanthrene	<0.0000833	U	0.000178	0.0000833	mg/L		03/21/22 18:13	03/22/22 15:44	1
Pyrene	<0.000127	U	0.000178	0.000127	mg/L		03/21/22 18:13	03/22/22 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*160*	*S1+*	*54 - 146*	*03/21/22 18:13*	*03/22/22 15:44*	*1*
Nitrobenzene-d5	*151*		*46 - 151*	*03/21/22 18:13*	*03/22/22 15:44*	*1*
p-Terphenyl-d14	*93*		*51 - 139*	*03/21/22 18:13*	*03/22/22 15:44*	*1*

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			03/25/22 17:40	1
Toluene	**0.000414**	**J**	0.00200	0.000367	mg/L			03/25/22 17:40	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 17:40	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 17:40	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 17:40	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/25/22 17:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*03/25/22 17:40*	*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			03/28/22 12:32	1

Client Sample ID: MW-3A
Lab Sample ID: 890-2101-2
Date Collected: 03/17/22 10:30
Matrix: Water
Date Received: 03/17/22 14:44

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			03/25/22 18:00	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 18:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 18:00	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 18:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 18:00	1

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Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-3A
Lab Sample ID: 890-2101-2
Date Collected: 03/17/22 10:30
Matrix: Water
Date Received: 03/17/22 14:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/25/22 18:00*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*03/25/22 18:00*	*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			03/28/22 12:32	1

Client Sample ID: MW-4A
Lab Sample ID: 890-2101-3
Date Collected: 03/17/22 12:00
Matrix: Water
Date Received: 03/17/22 14:44

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			03/25/22 18:21	1
Toluene	**0.000440**	**J**	0.00200	0.000367	mg/L			03/25/22 18:21	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 18:21	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 18:21	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 18:21	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/25/22 18:21*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/25/22 18:21*	*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			03/28/22 12:32	1

Client Sample ID: MW-20
Lab Sample ID: 890-2101-4
Date Collected: 03/17/22 08:55
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000986	U	0.000179	0.0000986	mg/L		03/21/22 18:13	03/22/22 16:03	1
Acenaphthylene	<0.0000830	U	0.000179	0.0000830	mg/L		03/21/22 18:13	03/22/22 16:03	1
Anthracene	<0.0000887	U	0.000179	0.0000887	mg/L		03/21/22 18:13	03/22/22 16:03	1
Benzo[a]anthracene	<0.000132	U	0.000179	0.000132	mg/L		03/21/22 18:13	03/22/22 16:03	1
Benzo[a]pyrene	<0.0000563	U	0.000179	0.0000563	mg/L		03/21/22 18:13	03/22/22 16:03	1
Benzo[b]fluoranthene	<0.0000690	U	0.000179	0.0000690	mg/L		03/21/22 18:13	03/22/22 16:03	1
Benzo[g,h,i]perylene	<0.000111	U	0.000179	0.000111	mg/L		03/21/22 18:13	03/22/22 16:03	1
Benzo[k]fluoranthene	<0.000114	U	0.000179	0.000114	mg/L		03/21/22 18:13	03/22/22 16:03	1
Chrysene	<0.000154	U	0.000179	0.000154	mg/L		03/21/22 18:13	03/22/22 16:03	1
Dibenz(a,h)anthracene	<0.0000749	U	0.000179	0.0000749	mg/L		03/21/22 18:13	03/22/22 16:03	1
Dibenzofuran	<0.0000986	U	0.000179	0.0000986	mg/L		03/21/22 18:13	03/22/22 16:03	1
Fluoranthene	<0.000155	U	0.000179	0.000155	mg/L		03/21/22 18:13	03/22/22 16:03	1
Fluorene	<0.0000996	U	0.000179	0.0000996	mg/L		03/21/22 18:13	03/22/22 16:03	1
Indeno[1,2,3-cd]pyrene	<0.0000900	U	0.000179	0.0000900	mg/L		03/21/22 18:13	03/22/22 16:03	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-20
Lab Sample ID: 890-2101-4
Date Collected: 03/17/22 08:55
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.0000958	U	0.00359	0.0000958	mg/L		03/21/22 18:13	03/22/22 16:03	1
Phenanthrene	<0.0000838	U	0.000179	0.0000838	mg/L		03/21/22 18:13	03/22/22 16:03	1
Pyrene	<0.000128	U	0.000179	0.000128	mg/L		03/21/22 18:13	03/22/22 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*153*	*S1+*	*54 - 146*	*03/21/22 18:13*	*03/22/22 16:03*	*1*
Nitrobenzene-d5	*144*		*46 - 151*	*03/21/22 18:13*	*03/22/22 16:03*	*1*
p-Terphenyl-d14	*86*		*51 - 139*	*03/21/22 18:13*	*03/22/22 16:03*	*1*

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			03/25/22 18:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 18:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 18:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 18:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 18:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/25/22 18:41*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/25/22 18:41*	*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			03/28/22 12:32	1

Client Sample ID: MW-17
Lab Sample ID: 890-2101-5
Date Collected: 03/17/22 09:48
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 17:21	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		03/21/22 18:13	03/22/22 17:21	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		03/21/22 18:13	03/22/22 17:21	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/21/22 18:13	03/22/22 17:21	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		03/21/22 18:13	03/22/22 17:21	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		03/21/22 18:13	03/22/22 17:21	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/21/22 18:13	03/22/22 17:21	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/21/22 18:13	03/22/22 17:21	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/21/22 18:13	03/22/22 17:21	1
Dibenz(a,h)anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		03/21/22 18:13	03/22/22 17:21	1
Dibenzofuran	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 17:21	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/21/22 18:13	03/22/22 17:21	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/21/22 18:13	03/22/22 17:21	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		03/21/22 18:13	03/22/22 17:21	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		03/21/22 18:13	03/22/22 17:21	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		03/21/22 18:13	03/22/22 17:21	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/21/22 18:13	03/22/22 17:21	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-17
Lab Sample ID: 890-2101-5
Date Collected: 03/17/22 09:48
Matrix: Water
Date Received: 03/17/22 14:44

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	155	S1+	54 - 146	03/21/22 18:13	03/22/22 17:21	1
Nitrobenzene-d5	145		46 - 151	03/21/22 18:13	03/22/22 17:21	1
p-Terphenyl-d14	113		51 - 139	03/21/22 18:13	03/22/22 17:21	1

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			03/25/22 19:02	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 19:02	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 19:02	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 19:02	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 19:02	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130		03/25/22 19:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130		03/25/22 19:02	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			03/28/22 12:32	1

Client Sample ID: MW-10
Lab Sample ID: 890-2101-6
Date Collected: 03/17/22 10:20
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 17:41	1
Acenaphthylene	<0.0000844	U	0.000182	0.0000844	mg/L		03/21/22 18:13	03/22/22 17:41	1
Anthracene	<0.0000902	U	0.000182	0.0000902	mg/L		03/21/22 18:13	03/22/22 17:41	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/21/22 18:13	03/22/22 17:41	1
Benzo[a]pyrene	<0.0000572	U	0.000182	0.0000572	mg/L		03/21/22 18:13	03/22/22 17:41	1
Benzo[b]fluoranthene	<0.0000701	U	0.000182	0.0000701	mg/L		03/21/22 18:13	03/22/22 17:41	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/21/22 18:13	03/22/22 17:41	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/21/22 18:13	03/22/22 17:41	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/21/22 18:13	03/22/22 17:41	1
Dibenz(a,h)anthracene	<0.0000761	U	0.000182	0.0000761	mg/L		03/21/22 18:13	03/22/22 17:41	1
Dibenzofuran	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 17:41	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/21/22 18:13	03/22/22 17:41	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/21/22 18:13	03/22/22 17:41	1
Indeno[1,2,3-cd]pyrene	<0.0000915	U	0.000182	0.0000915	mg/L		03/21/22 18:13	03/22/22 17:41	1
Naphthalene	<0.0000974	U	0.00365	0.0000974	mg/L		03/21/22 18:13	03/22/22 17:41	1
Phenanthrene	<0.0000852	U	0.000182	0.0000852	mg/L		03/21/22 18:13	03/22/22 17:41	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/21/22 18:13	03/22/22 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	154	S1+	54 - 146	03/21/22 18:13	03/22/22 17:41	1
Nitrobenzene-d5	145		46 - 151	03/21/22 18:13	03/22/22 17:41	1
p-Terphenyl-d14	96		51 - 139	03/21/22 18:13	03/22/22 17:41	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-10
Lab Sample ID: 890-2101-6
Date Collected: 03/17/22 10:20
Matrix: Water
Date Received: 03/17/22 14:44

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			03/25/22 19:22	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 19:22	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 19:22	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 19:22	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 19:22	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/25/22 19:22*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/25/22 19:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/28/22 12:32	1

Client Sample ID: MW-11
Lab Sample ID: 890-2101-7
Date Collected: 03/17/22 11:00
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 18:00	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		03/21/22 18:13	03/22/22 18:00	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		03/21/22 18:13	03/22/22 18:00	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/21/22 18:13	03/22/22 18:00	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		03/21/22 18:13	03/22/22 18:00	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		03/21/22 18:13	03/22/22 18:00	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/21/22 18:13	03/22/22 18:00	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/21/22 18:13	03/22/22 18:00	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/21/22 18:13	03/22/22 18:00	1
Dibenz(a,h)anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		03/21/22 18:13	03/22/22 18:00	1
Dibenzofuran	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 18:00	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/21/22 18:13	03/22/22 18:00	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/21/22 18:13	03/22/22 18:00	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		03/21/22 18:13	03/22/22 18:00	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		03/21/22 18:13	03/22/22 18:00	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		03/21/22 18:13	03/22/22 18:00	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/21/22 18:13	03/22/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*150*	*S1+*	*54 - 146*	*03/21/22 18:13*	*03/22/22 18:00*	*1*
Nitrobenzene-d5	*147*		*46 - 151*	*03/21/22 18:13*	*03/22/22 18:00*	*1*
p-Terphenyl-d14	*127*		*51 - 139*	*03/21/22 18:13*	*03/22/22 18:00*	*1*

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			03/25/22 19:42	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 19:42	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 19:42	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 19:42	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 19:42	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-11
Lab Sample ID: 890-2101-7
Date Collected: 03/17/22 11:00
Matrix: Water
Date Received: 03/17/22 14:44

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/25/22 19:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/25/22 19:42*	*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			03/28/22 12:32	1

Client Sample ID: MW-5
Lab Sample ID: 890-2101-8
Date Collected: 03/17/22 01:06
Matrix: Water
Date Received: 03/17/22 14:44

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000998	U	0.000182	0.0000998	mg/L		03/21/22 18:13	03/22/22 18:20	1
Acenaphthylene	<0.0000840	U	0.000182	0.0000840	mg/L		03/21/22 18:13	03/22/22 18:20	1
Anthracene	<0.0000898	U	0.000182	0.0000898	mg/L		03/21/22 18:13	03/22/22 18:20	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/21/22 18:13	03/22/22 18:20	1
Benzo[a]pyrene	<0.0000570	U	0.000182	0.0000570	mg/L		03/21/22 18:13	03/22/22 18:20	1
Benzo[b]fluoranthene	<0.0000699	U	0.000182	0.0000699	mg/L		03/21/22 18:13	03/22/22 18:20	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/21/22 18:13	03/22/22 18:20	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/21/22 18:13	03/22/22 18:20	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/21/22 18:13	03/22/22 18:20	1
Dibenz(a,h)anthracene	<0.0000759	U	0.000182	0.0000759	mg/L		03/21/22 18:13	03/22/22 18:20	1
Dibenzofuran	<0.0000998	U	0.000182	0.0000998	mg/L		03/21/22 18:13	03/22/22 18:20	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/21/22 18:13	03/22/22 18:20	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/21/22 18:13	03/22/22 18:20	1
Indeno[1,2,3-cd]pyrene	<0.0000911	U	0.000182	0.0000911	mg/L		03/21/22 18:13	03/22/22 18:20	1
Naphthalene	<0.0000970	U	0.00363	0.0000970	mg/L		03/21/22 18:13	03/22/22 18:20	1
Phenanthrene	<0.0000848	U	0.000182	0.0000848	mg/L		03/21/22 18:13	03/22/22 18:20	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/21/22 18:13	03/22/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*144*		*54 - 146*	*03/21/22 18:13*	*03/22/22 18:20*	*1*
Nitrobenzene-d5	*139*		*46 - 151*	*03/21/22 18:13*	*03/22/22 18:20*	*1*
p-Terphenyl-d14	*95*		*51 - 139*	*03/21/22 18:13*	*03/22/22 18:20*	*1*

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00382**		0.00200	0.000408	mg/L			03/25/22 20:03	1
Toluene	**0.00448**		0.00200	0.000367	mg/L			03/25/22 20:03	1
Ethylbenzene	**0.000857**	**J**	0.00200	0.000657	mg/L			03/25/22 20:03	1
m-Xylene & p-Xylene	**0.00169**	**J**	0.00400	0.000629	mg/L			03/25/22 20:03	1
o-Xylene	**0.000926**	**J**	0.00200	0.000642	mg/L			03/25/22 20:03	1
Xylenes, Total	**0.00262**	**J**	0.00400	0.000642	mg/L			03/25/22 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*03/25/22 20:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*03/25/22 20:03*	*1*

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Client Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-5
Lab Sample ID: 890-2101-8
Date Collected: 03/17/22 01:06
Matrix: Water
Date Received: 03/17/22 14:44

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0118		0.00400	0.000657	mg/L			03/28/22 12:32	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2101-1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(54-146)	(46-151)	(51-139)
890-2101-1	MW-21A	160 S1+	151	93
890-2101-4	MW-20	153 S1+	144	86
890-2101-5	MW-17	155 S1+	145	113
890-2101-6	MW-10	154 S1+	145	96
890-2101-7	MW-11	150 S1+	147	127
890-2101-8	MW-5	144	139	95
LCS 860-45813/2-A	Lab Control Sample	117	116	78
LCSD 860-45813/3-A	Lab Control Sample Dup	122	122	91
MB 860-45813/1-A	Method Blank	143	131	113

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

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)
890-2101-1	MW-21A	113	105
890-2101-1 MS	MW-21A	97	98
890-2101-1 MSD	MW-21A	98	103
890-2101-2	MW-3A	106	102
890-2101-3	MW-4A	113	108
890-2101-4	MW-20	105	101
890-2101-5	MW-17	106	103
890-2101-6	MW-10	105	103
890-2101-7	MW-11	103	103
890-2101-8	MW-5	99	93
LCS 880-22332/3	Lab Control Sample	98	100
LCSD 880-22332/4	Lab Control Sample Dup	102	103
MB 880-22332/8	Method Blank	97	100

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2101-1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 860-45813/1-A
Matrix: Water
Analysis Batch: 45863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45813

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 11:51	1
Acenaphthylene	<0.0000842	U	0.000182	0.0000842	mg/L		03/21/22 18:13	03/22/22 11:51	1
Anthracene	<0.0000900	U	0.000182	0.0000900	mg/L		03/21/22 18:13	03/22/22 11:51	1
Benzo[a]anthracene	<0.000134	U	0.000182	0.000134	mg/L		03/21/22 18:13	03/22/22 11:51	1
Benzo[a]pyrene	<0.0000571	U	0.000182	0.0000571	mg/L		03/21/22 18:13	03/22/22 11:51	1
Benzo[b]fluoranthene	<0.0000700	U	0.000182	0.0000700	mg/L		03/21/22 18:13	03/22/22 11:51	1
Benzo[g,h,i]perylene	<0.000113	U	0.000182	0.000113	mg/L		03/21/22 18:13	03/22/22 11:51	1
Benzo[k]fluoranthene	<0.000116	U	0.000182	0.000116	mg/L		03/21/22 18:13	03/22/22 11:51	1
Chrysene	<0.000156	U	0.000182	0.000156	mg/L		03/21/22 18:13	03/22/22 11:51	1
Dibenz(a,h)anthracene	<0.0000760	U	0.000182	0.0000760	mg/L		03/21/22 18:13	03/22/22 11:51	1
Dibenzofuran	<0.000100	U	0.000182	0.000100	mg/L		03/21/22 18:13	03/22/22 11:51	1
Fluoranthene	<0.000157	U	0.000182	0.000157	mg/L		03/21/22 18:13	03/22/22 11:51	1
Fluorene	<0.000101	U	0.000182	0.000101	mg/L		03/21/22 18:13	03/22/22 11:51	1
Indeno[1,2,3-cd]pyrene	<0.0000913	U	0.000182	0.0000913	mg/L		03/21/22 18:13	03/22/22 11:51	1
Naphthalene	<0.0000972	U	0.00364	0.0000972	mg/L		03/21/22 18:13	03/22/22 11:51	1
Phenanthrene	<0.0000850	U	0.000182	0.0000850	mg/L		03/21/22 18:13	03/22/22 11:51	1
Pyrene	<0.000130	U	0.000182	0.000130	mg/L		03/21/22 18:13	03/22/22 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*143*		*54 - 146*	*03/21/22 18:13*	*03/22/22 11:51*	*1*
Nitrobenzene-d5	*131*		*46 - 151*	*03/21/22 18:13*	*03/22/22 11:51*	*1*
p-Terphenyl-d14	*113*		*51 - 139*	*03/21/22 18:13*	*03/22/22 11:51*	*1*

Lab Sample ID: LCS 860-45813/2-A
Matrix: Water
Analysis Batch: 45863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45813

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0182	0.02039		mg/L		112	66 - 174
Acenaphthylene	0.0182	0.02005		mg/L		110	67 - 182
Anthracene	0.0182	0.02189		mg/L		120	55 - 191
Benzo[a]anthracene	0.0182	0.01940		mg/L		107	16 - 171
Benzo[a]pyrene	0.0182	0.02090		mg/L		115	10 - 165
Benzo[b]fluoranthene	0.0182	0.02266		mg/L		125	10 - 166
Benzo[g,h,i]perylene	0.0182	0.01945		mg/L		107	10 - 154
Benzo[k]fluoranthene	0.0182	0.02250		mg/L		124	10 - 178
Chrysene	0.0182	0.01986		mg/L		109	10 - 172
Dibenz(a,h)anthracene	0.0182	0.02075		mg/L		114	10 - 168
Dibenzofuran	0.0182	0.02075		mg/L		114	68 - 178
Fluoranthene	0.0182	0.02135		mg/L		117	52 - 185
Fluorene	0.0182	0.02070		mg/L		114	64 - 184
Indeno[1,2,3-cd]pyrene	0.0182	0.02299		mg/L		126	10 - 160
Naphthalene	0.0182	0.01978		mg/L		109	66 - 166
Phenanthrene	0.0182	0.02071		mg/L		114	66 - 184
Pyrene	0.0182	0.02117		mg/L		116	58 - 181

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*117*		*54 - 146*

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QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2101-1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 860-45813/2-A
Matrix: Water
Analysis Batch: 45863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45813

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	116		46 - 151
p-Terphenyl-d14	78		51 - 139

Lab Sample ID: LCSD 860-45813/3-A
Matrix: Water
Analysis Batch: 45863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45813

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			0.0182	0.02134		mg/L		117	66 - 174	5	40
Acenaphthylene			0.0182	0.02122		mg/L		117	67 - 182	6	40
Anthracene			0.0182	0.02272		mg/L		125	55 - 191	4	40
Benzo[a]anthracene			0.0182	0.01549		mg/L		85	16 - 171	22	50
Benzo[a]pyrene			0.0182	0.01552		mg/L		85	10 - 165	30	50
Benzo[b]fluoranthene			0.0182	0.01614		mg/L		89	10 - 166	34	50
Benzo[g,h,i]perylene			0.0182	0.01434		mg/L		79	10 - 154	30	50
Benzo[k]fluoranthene			0.0182	0.01727		mg/L		95	10 - 178	26	50
Chrysene			0.0182	0.01638		mg/L		90	10 - 172	19	50
Dibenz(a,h)anthracene			0.0182	0.01483		mg/L		82	10 - 168	33	50
Dibenzofuran			0.0182	0.02167		mg/L		119	68 - 178	4	40
Fluoranthene			0.0182	0.02064		mg/L		113	52 - 185	3	40
Fluorene			0.0182	0.02143		mg/L		118	64 - 184	3	40
Indeno[1,2,3-cd]pyrene			0.0182	0.01653		mg/L		91	10 - 160	33	50
Naphthalene			0.0182	0.02091		mg/L		115	66 - 166	6	40
Phenanthrene			0.0182	0.02132		mg/L		117	66 - 184	3	40
Pyrene			0.0182	0.02076		mg/L		114	58 - 181	2	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	122		54 - 146
Nitrobenzene-d5	122		46 - 151
p-Terphenyl-d14	91		51 - 139

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22332/8
Matrix: Water
Analysis Batch: 22332

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			03/25/22 17:11	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/25/22 17:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/25/22 17:11	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/25/22 17:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/25/22 17:11	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/25/22 17:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		03/25/22 17:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130		03/25/22 17:11	1

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2101-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 880-22332/3
Matrix: Water
Analysis Batch: 22332

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	0.08469		mg/L		85	70 - 130		
Toluene			0.100	0.08956		mg/L		90	70 - 130		
Ethylbenzene			0.100	0.09409		mg/L		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.2180		mg/L		109	70 - 130		
o-Xylene			0.100	0.1081		mg/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-22332/4
Matrix: Water
Analysis Batch: 22332

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	0.08586		mg/L		86	70 - 130	1	20
Toluene			0.100	0.08473		mg/L		85	70 - 130	6	20
Ethylbenzene			0.100	0.09085		mg/L		91	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.2101		mg/L		105	70 - 130	4	20
o-Xylene			0.100	0.1039		mg/L		104	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-2101-1 MS
Matrix: Water
Analysis Batch: 22332

Client Sample ID: MW-21A
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	0.08013		mg/L		80	70 - 130		
Toluene	0.000414	J	0.100	0.08120		mg/L		81	70 - 130		
Ethylbenzene	<0.000657	U	0.100	0.08643		mg/L		86	70 - 130		
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2039		mg/L		102	70 - 130		
o-Xylene	<0.000642	U	0.100	0.09980		mg/L		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-2101-1 MSD
Matrix: Water
Analysis Batch: 22332

Client Sample ID: MW-21A
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	0.08958		mg/L		90	70 - 130	11	25
Toluene	0.000414	J	0.100	0.08910		mg/L		89	70 - 130	9	25
Ethylbenzene	<0.000657	U	0.100	0.09426		mg/L		94	70 - 130	9	25

QC Sample Results

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

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

Lab Sample ID: 890-2101-1 MSD
Client Sample ID: MW-21A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 22332

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.000629	U	0.200	0.2220		mg/L		111	70 - 130	9	25
o-Xylene	<0.000642	U	0.100	0.1091		mg/L		109	70 - 130	9	25

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

QC Association Summary

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

GC/MS Semi VOA

Prep Batch: 45813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2101-1	MW-21A	Total/NA	Water	3511	
890-2101-4	MW-20	Total/NA	Water	3511	
890-2101-5	MW-17	Total/NA	Water	3511	
890-2101-6	MW-10	Total/NA	Water	3511	
890-2101-7	MW-11	Total/NA	Water	3511	
890-2101-8	MW-5	Total/NA	Water	3511	
MB 860-45813/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-45813/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-45813/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 45863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2101-1	MW-21A	Total/NA	Water	8270D SIM	45813
890-2101-4	MW-20	Total/NA	Water	8270D SIM	45813
890-2101-5	MW-17	Total/NA	Water	8270D SIM	45813
890-2101-6	MW-10	Total/NA	Water	8270D SIM	45813
890-2101-7	MW-11	Total/NA	Water	8270D SIM	45813
890-2101-8	MW-5	Total/NA	Water	8270D SIM	45813
MB 860-45813/1-A	Method Blank	Total/NA	Water	8270D SIM	45813
LCS 860-45813/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	45813
LCSD 860-45813/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	45813

GC VOA

Analysis Batch: 22332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2101-1	MW-21A	Total/NA	Water	8021B	
890-2101-2	MW-3A	Total/NA	Water	8021B	
890-2101-3	MW-4A	Total/NA	Water	8021B	
890-2101-4	MW-20	Total/NA	Water	8021B	
890-2101-5	MW-17	Total/NA	Water	8021B	
890-2101-6	MW-10	Total/NA	Water	8021B	
890-2101-7	MW-11	Total/NA	Water	8021B	
890-2101-8	MW-5	Total/NA	Water	8021B	
MB 880-22332/8	Method Blank	Total/NA	Water	8021B	
LCS 880-22332/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-22332/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-2101-1 MS	MW-21A	Total/NA	Water	8021B	
890-2101-1 MSD	MW-21A	Total/NA	Water	8021B	

Analysis Batch: 22480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2101-1	MW-21A	Total/NA	Water	Total BTEX	
890-2101-2	MW-3A	Total/NA	Water	Total BTEX	
890-2101-3	MW-4A	Total/NA	Water	Total BTEX	
890-2101-4	MW-20	Total/NA	Water	Total BTEX	
890-2101-5	MW-17	Total/NA	Water	Total BTEX	
890-2101-6	MW-10	Total/NA	Water	Total BTEX	
890-2101-7	MW-11	Total/NA	Water	Total BTEX	
890-2101-8	MW-5	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-21A
Lab Sample ID: 890-2101-1
Date Collected: 03/17/22 08:45
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			56.1 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 15:44	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 17:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-3A
Lab Sample ID: 890-2101-2
Date Collected: 03/17/22 10:30
Matrix: Water
Date Received: 03/17/22 14:44

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	22332	03/25/22 18:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-4A
Lab Sample ID: 890-2101-3
Date Collected: 03/17/22 12:00
Matrix: Water
Date Received: 03/17/22 14:44

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	22332	03/25/22 18:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-20
Lab Sample ID: 890-2101-4
Date Collected: 03/17/22 08:55
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.8 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 16:03	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 18:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-17
Lab Sample ID: 890-2101-5
Date Collected: 03/17/22 09:48
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 17:21	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 19:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-10
Lab Sample ID: 890-2101-6
Date Collected: 03/17/22 10:20
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			54.9 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 17:41	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 19:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-11
Lab Sample ID: 890-2101-7
Date Collected: 03/17/22 11:00
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 18:00	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 19:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Client Sample ID: MW-5
Lab Sample ID: 890-2101-8
Date Collected: 03/17/22 01:06
Matrix: Water
Date Received: 03/17/22 14:44

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.1 mL	2 mL	45813	03/21/22 18:13	MR	XEN STF
Total/NA	Analysis	8270D SIM		1			45863	03/22/22 18:20	IS	XEN STF
Total/NA	Analysis	8021B		1	5 mL	5 mL	22332	03/25/22 20:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22480	03/28/22 12:32	AJ	XEN MID

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8270D SIM	3511	Water	Dibenzofuran

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: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	XEN STF
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
3511	Microextraction of Organic Compounds	SW846	XEN STF
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

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

Sample Summary

Client: Talon/LPE
Job ID: 890-2101-1
Project/Site: Moore to Jal #2 (MTJ2)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2101-1	MW-21A	Water	03/17/22 08:45	03/17/22 14:44
890-2101-2	MW-3A	Water	03/17/22 10:30	03/17/22 14:44
890-2101-3	MW-4A	Water	03/17/22 12:00	03/17/22 14:44
890-2101-4	MW-20	Water	03/17/22 08:55	03/17/22 14:44
890-2101-5	MW-17	Water	03/17/22 09:48	03/17/22 14:44
890-2101-6	MW-10	Water	03/17/22 10:20	03/17/22 14:44
890-2101-7	MW-11	Water	03/17/22 11:00	03/17/22 14:44
890-2101-8	MW-5	Water	03/17/22 01:06	03/17/22 14:44

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Chain of Custody

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

Work Order No: _____

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Project Manager:	D. Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	
Address:	408 Texas St.	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2002-10273
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 Ja1 #2 (MTJ2)	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# 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-NM-a2	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.6	
Total Containers:		Corrected Temperature:	5.4	

ANALYSIS REQUEST

Parameters: BTEX, PAH

890-2101 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX	PAH	Sample Comments
MW-21A	GW	3/17/22	8:45	N/A		5		X	X	Email Analytical's to: CJBrant@paalp.com MaOchoa@paalp.com
MW-3A			10:30	N/A		3		X		
MW-4A			12:00			3		X		
MW-20			8:55			5		X	X	
MW-17			9:48			5		X	X	
MW-10			10:20			5		X	X	
MW-11			11:00			5		X	X	
MW-5			1:06			5		X	X	

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Matthew Gomez		3/17/22 2:44	2		
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: 890-674.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 890-2101-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/23/2022			Preservation Codes:
City: Stafford	TAT Requested (days):			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2O4S E NaHSO4 Q Na2SO3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify)
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			Other:
Email:	WO #:			
Project Name: moore to jal #2 (MTJ2)	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

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)	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	8270D_SIM/3511 8270D (PAHs)-3511Prep	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
MW-21A (890-2101-1)	3/17/22	08:45 Mountain		Water			X	5	
MW-20 (890-2101-4)	3/17/22	08:55 Mountain		Water			X	5	
MW-17 (890-2101-5)	3/17/22	09:48 Mountain		Water			X	5	
MW-10 (890-2101-6)	3/17/22	10:20 Mountain		Water			X	5	
MW-11 (890-2101 7)	3/17/22	11 00 Mountain		Water			X	5	
MW-5 (890-2101-8)	3/17/22	01 06 Mountain		Water			X	5	

Temp 3.5 IR ID HOU-223
C/F -0.1
Corrected Temp 3.4

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: 3/24/22 938	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: 890-675 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-2101-1
Address: 1211 W Florida Ave,	Due Date Requested: 3/23/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: moore to jal #2 (MTJ2)	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6030B BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-21A (890-2101-1)	3/17/22	08 45 Mountain		Water			X	X	3	
MW-3A (890-2101-2)	3/17/22	10 30 Mountain		Water			X	X	3	
MW-4A (890-2101-3)	3/17/22	12 00 Mountain		Water			X	X	3	
MW-20 (890-2101-4)	3/17/22	08 55 Mountain		Water			X	X	3	
MW-17 (890-2101-5)	3/17/22	09 48 Mountain		Water			X	X	3	
MW-10 (890-2101-6)	3/17/22	10 20 Mountain		Water			X	X	3	
MW-11 (890-2101-7)	3/17/22	11 00 Mountain		Water			X	X	3	
MW-5 (890-2101-8)	3/17/22	01 06 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: Clue 3 18 22	Date/Time	Company	Received by:	Date/Time: 3/21/22 8:00	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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2101-1

Login Number: 2101 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Olivas, Nathaniel

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: 890-2101-1

Login Number: 2101 **List Source: Eurofins Houston**
List Number: 2 **List Creation: 03/19/22 10:01 AM**
Creator: Milone, Jeancarlo

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2101-1

Login Number: 2101 **List Source: Eurofins Midland**
List Number: 3 **List Creation: 03/21/22 08:54 AM**
Creator: Lowe, Katie

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: 890-2399-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #2 (MTJ2)

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

Attn: David Adkins

JKramer

Authorized for release by:
6/15/2022 10:55:24 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 #2 (MTJ2)

Laboratory Job ID: 890-2399-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
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.
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 #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Job ID: 890-2399-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2399-1

Receipt
The samples were received on 6/8/2022 3:44 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°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 #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Client Sample ID: MW-21A
Lab Sample ID: 890-2399-1
Date Collected: 06/08/22 10:30
Matrix: Water
Date Received: 06/08/22 15:44

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			06/14/22 18:45	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/14/22 18:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 18:45	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 18:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/14/22 18:45	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/14/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/14/22 18:45*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*06/14/22 18:45*	*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			06/15/22 10:29	1

Client Sample ID: MW-3A
Lab Sample ID: 890-2399-2
Date Collected: 06/08/22 11:30
Matrix: Water
Date Received: 06/08/22 15:44

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			06/14/22 19:11	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/14/22 19:11	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 19:11	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 19:11	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/14/22 19:11	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/14/22 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*06/14/22 19:11*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*06/14/22 19:11*	*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			06/15/22 10:29	1

Client Sample ID: MW-4A
Lab Sample ID: 890-2399-3
Date Collected: 06/08/22 12:00
Matrix: Water
Date Received: 06/08/22 15:44

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			06/14/22 19:38	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/14/22 19:38	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 19:38	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 19:38	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/14/22 19:38	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/14/22 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/14/22 19:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*06/14/22 19:38*	*1*

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Client Sample ID: MW-4A
Lab Sample ID: 890-2399-3
Date Collected: 06/08/22 12:00
Matrix: Water
Date Received: 06/08/22 15:44

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			06/15/22 10:29	1

Client Sample ID: MW-5
Lab Sample ID: 890-2399-4
Date Collected: 06/08/22 10:00
Matrix: Water
Date Received: 06/08/22 15:44

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000959**	**J**	0.00200	0.000408	mg/L			06/14/22 20:04	1
Toluene	**0.000872**	**J**	0.00200	0.000367	mg/L			06/14/22 20:04	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 20:04	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 20:04	1
o-Xylene	**0.000842**	**J**	0.00200	0.000642	mg/L			06/14/22 20:04	1
Xylenes, Total	**0.000842**	**J**	0.00400	0.000642	mg/L			06/14/22 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/14/22 20:04*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*06/14/22 20:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00267**	**J**	0.00400	0.000657	mg/L			06/15/22 10:29	1

Client Sample ID: MW-10
Lab Sample ID: 890-2399-5
Date Collected: 06/08/22 11:10
Matrix: Water
Date Received: 06/08/22 15:44

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			06/14/22 20:31	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/14/22 20:31	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 20:31	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 20:31	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/14/22 20:31	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/14/22 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/14/22 20:31*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*06/14/22 20:31*	*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			06/15/22 10:29	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
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)										
890-2399-1	MW-21A	105	93										
890-2399-2	MW-3A	97	95										
890-2399-3	MW-4A	105	107										
890-2399-4	MW-5	99	107										
890-2399-5	MW-10	98	102										
LCS 880-27467/3	Lab Control Sample	106	94										
LCSD 880-27467/4	Lab Control Sample Dup	97	104										
MB 880-27467/8	Method Blank	75	93										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27467/8
Matrix: Water
Analysis Batch: 27467

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			06/14/22 11:26	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			06/14/22 11:26	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			06/14/22 11:26	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			06/14/22 11:26	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			06/14/22 11:26	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			06/14/22 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*		*06/14/22 11:26*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*06/14/22 11:26*	*1*

Lab Sample ID: LCS 880-27467/3
Matrix: Water
Analysis Batch: 27467

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	0.08521		mg/L		85	70 - 130		
Toluene			0.100	0.08562		mg/L		86	70 - 130		
Ethylbenzene			0.100	0.09219		mg/L		92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1844		mg/L		92	70 - 130		
o-Xylene			0.100	0.09287		mg/L		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-27467/4
Matrix: Water
Analysis Batch: 27467

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	0.1028		mg/L		103	70 - 130	19	20
Toluene			0.100	0.09708		mg/L		97	70 - 130	13	20
Ethylbenzene			0.100	0.09449		mg/L		94	70 - 130	2	20
m-Xylene & p-Xylene			0.200	0.1569		mg/L		78	70 - 130	16	20
o-Xylene			0.100	0.08329		mg/L		83	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

GC VOA

Analysis Batch: 27467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2399-1	MW-21A	Total/NA	Water	8021B	
890-2399-2	MW-3A	Total/NA	Water	8021B	
890-2399-3	MW-4A	Total/NA	Water	8021B	
890-2399-4	MW-5	Total/NA	Water	8021B	
890-2399-5	MW-10	Total/NA	Water	8021B	
MB 880-27467/8	Method Blank	Total/NA	Water	8021B	
LCS 880-27467/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-27467/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 27603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2399-1	MW-21A	Total/NA	Water	Total BTEX	
890-2399-2	MW-3A	Total/NA	Water	Total BTEX	
890-2399-3	MW-4A	Total/NA	Water	Total BTEX	
890-2399-4	MW-5	Total/NA	Water	Total BTEX	
890-2399-5	MW-10	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Client Sample ID: MW-21A
Date Collected: 06/08/22 10:30
Date Received: 06/08/22 15:44

Lab Sample ID: 890-2399-1
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			27467	06/14/22 18:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27603	06/15/22 10:29	SM	XEN MID

Client Sample ID: MW-3A
Date Collected: 06/08/22 11:30
Date Received: 06/08/22 15:44

Lab Sample ID: 890-2399-2
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			27467	06/14/22 19:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27603	06/15/22 10:29	SM	XEN MID

Client Sample ID: MW-4A
Date Collected: 06/08/22 12:00
Date Received: 06/08/22 15:44

Lab Sample ID: 890-2399-3
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			27467	06/14/22 19:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27603	06/15/22 10:29	SM	XEN MID

Client Sample ID: MW-5
Date Collected: 06/08/22 10:00
Date Received: 06/08/22 15:44

Lab Sample ID: 890-2399-4
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			27467	06/14/22 20:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27603	06/15/22 10:29	SM	XEN MID

Client Sample ID: MW-10
Date Collected: 06/08/22 11:10
Date Received: 06/08/22 15:44

Lab Sample ID: 890-2399-5
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			27467	06/14/22 20:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27603	06/15/22 10:29	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 #2 (MTJ2)

Job ID: 890-2399-1
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 #2 (MTJ2)

Job ID: 890-2399-1
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 #2 (MTJ2)

Job ID: 890-2399-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-2399-1	MW-21A	Water	06/08/22 10:30	06/08/22 15:44
890-2399-2	MW-3A	Water	06/08/22 11:30	06/08/22 15:44
890-2399-3	MW-4A	Water	06/08/22 12:00	06/08/22 15:44
890-2399-4	MW-5	Water	06/08/22 10:00	06/08/22 15:44
890-2399-5	MW-10	Water	06/08/22 11:10	06/08/22 15:44

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Chain of Custody

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

Work Order No: _____

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Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas St	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2002-10273
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 #2 (MIJ)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	M. Gomez, R. Bell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10273		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8
Total Containers:		Corrected Temperature:	5.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-21A	GW	6/8/22	10:30	N/A		3		X
MW-3A			11:30					
MW-4A			12:00					
MW-5			10:00					
MW-10			11:10					

890-2399 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analytical to:
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 Stephens	6/8/22 1544			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2399-1
SDG Number: Lea County

Login Number: 2399
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: 890-2399-1
SDG Number: Lea County

Login Number: 2399
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 06/10/22 11:30 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	False	
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: 890-2934-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #2 (MTJ2)

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

Attn: David Adkins

JKramer

Authorized for release by:
9/19/2022 11:59:16 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 #2 (MTJ2)

Laboratory Job ID: 890-2934-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Job ID: 890-2934-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2934-1

Receipt

The samples were received on 9/12/2022 2:13 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 12.2°C

GC VOA

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

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Client Sample ID: MW-3A
Lab Sample ID: 890-2934-1

Date Collected: 09/12/22 11:00
Matrix: Water
Date Received: 09/12/22 14:13
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 15:48	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/16/22 15:48	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/16/22 15:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/16/22 15:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/16/22 15:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/16/22 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/16/22 15:48*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*09/16/22 15:48*	*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			09/16/22 17:37	1

Client Sample ID: MW-21A
Lab Sample ID: 890-2934-2

Date Collected: 09/12/22 12:35
Matrix: Water
Date Received: 09/12/22 14:13
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 16:13	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/16/22 16:13	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/16/22 16:13	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/16/22 16:13	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/16/22 16:13	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/16/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*09/16/22 16:13*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*09/16/22 16:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			09/16/22 17:37	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
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-2 MS	Matrix Spike	101	95										
890-2890-A-2 MSD	Matrix Spike Duplicate	128	99										
890-2934-1	MW-3A	108	111										
890-2934-2	MW-21A	117	108										
LCS 880-34643/3	Lab Control Sample	119	103										
LCSD 880-34643/4	Lab Control Sample Dup	103	98										
MB 880-34643/8	Method Blank	74	87										

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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		
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-A-2 MS
Matrix: Water
Analysis Batch: 34643

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	0.08737		mg/L		87	70 - 130		
Toluene	<0.000367	U	0.100	0.08567		mg/L		86	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

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

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

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	0.1039		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-A-2 MSD
Matrix: Water
Analysis Batch: 34643

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	0.09709		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

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 #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

GC VOA

Analysis Batch: 34643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2934-1	MW-3A	Total/NA	Water	8021B	
890-2934-2	MW-21A	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-A-2 MS	Matrix Spike	Total/NA	Water	8021B	
890-2890-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 34699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2934-1	MW-3A	Total/NA	Water	Total BTEX	
890-2934-2	MW-21A	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Client Sample ID: MW-3A
Date Collected: 09/12/22 11:00
Date Received: 09/12/22 14:13

Lab Sample ID: 890-2934-1
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	34643	09/16/22 15:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			34699	09/16/22 17:37	AJ	EET MID

Client Sample ID: MW-21A
Date Collected: 09/12/22 12:35
Date Received: 09/12/22 14:13

Lab Sample ID: 890-2934-2
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 16:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			34699	09/16/22 17:37	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 #2 (MTJ2)

Job ID: 890-2934-1
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 #2 (MTJ2)

Job ID: 890-2934-1
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 #2 (MTJ2)

Job ID: 890-2934-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2934-1	MW-3A	Water	09/12/22 11:00	09/12/22 14:13	N/A
890-2934-2	MW-21A	Water	09/12/22 12:35	09/12/22 14:13	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: _____

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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# 2002-10273
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 #2 (MTJ2)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gamez, K. Taylor	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	Thm007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	12.4
Total Containers:		Corrected Temperature:	12.2

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B
MW-3A	GW	9/12/22	11:00	N/A		3		X
MW-21A	1	1	12:35	1		1		X

Parameters

Preservative Codes

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

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
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 Gamez	Clue Cup	9-12-22 1413			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2934-1
SDG Number: Lea County

Login Number: 2934
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: 890-2934-1
SDG Number: Lea County

Login Number: 2934
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/14/22 11:16 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: 890-2921-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #2 (MTJ2)

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

Attn: David Adkins

JKramer

Authorized for release by:
9/15/2022 12:06:09 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 #2 (MTJ2)

Laboratory Job ID: 890-2921-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
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 #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Job ID: 890-2921-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2921-1

Receipt
The samples were received on 9/9/2022 2:23 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 1.8°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 #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Client Sample ID: MW-17

Lab Sample ID: 890-2921-1
Matrix: Water
Date Collected: 09/09/22 10:50
Date Received: 09/09/22 14:23
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 01:09	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/15/22 01:09	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 01:09	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/15/22 01:09	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 01:09	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/15/22 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*09/15/22 01:09*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*09/15/22 01:09*	*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			09/15/22 09:59	1

Client Sample ID: MW-10

Lab Sample ID: 890-2921-2
Matrix: Water
Date Collected: 09/09/22 11:05
Date Received: 09/09/22 14:23
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 01:34	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/15/22 01:34	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 01:34	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/15/22 01:34	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 01:34	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/15/22 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/15/22 01:34*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*09/15/22 01:34*	*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-5

Lab Sample ID: 890-2921-3
Matrix: Water
Date Collected: 09/09/22 12:00
Date Received: 09/09/22 14:23
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0149**		0.00200	0.000408	mg/L			09/15/22 02:00	1
Toluene	**0.00956**		0.00200	0.000367	mg/L			09/15/22 02:00	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 02:00	1
m-Xylene & p-Xylene	**0.00488**		0.00400	0.000629	mg/L			09/15/22 02:00	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 02:00	1
Xylenes, Total	**0.00488**		0.00400	0.000642	mg/L			09/15/22 02:00	1

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Client Sample ID: MW-5

Lab Sample ID: 890-2921-3
Matrix: Water
Date Collected: 09/09/22 12:00
Date Received: 09/09/22 14:23
Sample Depth: N/A

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*09/15/22 02:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*09/15/22 02:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0293**		0.00400	0.000657	mg/L			09/15/22 09:59	1

Client Sample ID: MW-4A

Lab Sample ID: 890-2921-4
Matrix: Water
Date Collected: 09/09/22 12:15
Date Received: 09/09/22 14:23
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 02:25	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			09/15/22 02:25	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			09/15/22 02:25	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			09/15/22 02:25	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			09/15/22 02:25	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			09/15/22 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*09/15/22 02:25*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*09/15/22 02:25*	*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 #2 (MTJ2)

Job ID: 890-2921-1
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
890-2921-1	MW-17	106	110
890-2921-2	MW-10	100	99
890-2921-3	MW-5	96	92
890-2921-4	MW-4A	108	102
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 #2 (MTJ2)

Job ID: 890-2921-1
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 #2 (MTJ2)

Job ID: 890-2921-1
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 #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

GC VOA

Analysis Batch: 34492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2921-1	MW-17	Total/NA	Water	8021B	
890-2921-2	MW-10	Total/NA	Water	8021B	
890-2921-3	MW-5	Total/NA	Water	8021B	
890-2921-4	MW-4A	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: 34566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2921-1	MW-17	Total/NA	Water	Total BTEX	
890-2921-2	MW-10	Total/NA	Water	Total BTEX	
890-2921-3	MW-5	Total/NA	Water	Total BTEX	
890-2921-4	MW-4A	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Client Sample ID: MW-17
Date Collected: 09/09/22 10:50
Date Received: 09/09/22 14:23

Lab Sample ID: 890-2921-1
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	09/15/22 01:09	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34566	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-10
Date Collected: 09/09/22 11:05
Date Received: 09/09/22 14:23

Lab Sample ID: 890-2921-2
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	09/15/22 01:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34566	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-5
Date Collected: 09/09/22 12:00
Date Received: 09/09/22 14:23

Lab Sample ID: 890-2921-3
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	09/15/22 02:00	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34566	09/15/22 09:59	AJ	EET MID

Client Sample ID: MW-4A
Date Collected: 09/09/22 12:15
Date Received: 09/09/22 14:23

Lab Sample ID: 890-2921-4
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	09/15/22 02:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34566	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 #2 (MTJ2)

Job ID: 890-2921-1
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 #2 (MTJ2)

Job ID: 890-2921-1
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 #2 (MTJ2)

Job ID: 890-2921-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2921-1	MW-17	Water	09/09/22 10:50	09/09/22 14:23	N/A
890-2921-2	MW-10	Water	09/09/22 11:05	09/09/22 14:23	N/A
890-2921-3	MW-5	Water	09/09/22 12:00	09/09/22 14:23	N/A
890-2921-4	MW-4A	Water	09/09/22 12:15	09/09/22 14:23	N/A

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Chain of Custody

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

Work Order No: _____

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Project Manager:	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# 2002-10273
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

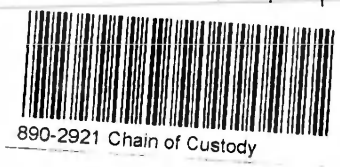
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Moore to Jal #2 (MTJ2)	Turn Around	
Project Number:		☑ Routine ☐ Rush	Pres. Code
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# 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	IR#007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.0	
Total Containers:		Corrected Temperature:	1.8	

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
MW-17	GW	9/9/22	10:50	N/A		3
MW-10	"	"	11:05	"		"
MW-5	"	"	12:00	"		"
MW-4A	"	"	12:15	"		"

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	Cloe Cuy	9-9-22 1423	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2921-1
SDG Number: Lea County

Login Number: 2921
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: 890-2921-1
SDG Number: Lea County

Login Number: 2921
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 09/13/22 10:33 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 8:52:44 AM

JOB DESCRIPTION

Moore to Jal #2 (MTJ2)

JOB NUMBER

890-3645-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

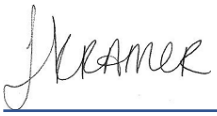
See page two for job notes and contact information.

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 8:52:44 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 #2 (MTJ2)

Laboratory Job ID: 890-3645-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

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 #2 (MTJ2)

Job ID: 890-3645-1

Job ID: 890-3645-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3645-1

Receipt

The samples were received on 12/13/2022 3:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.0°C

GC VOA

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-21A
Lab Sample ID: 890-3645-1
Date Collected: 12/13/22 13:00
Matrix: Water
Date Received: 12/13/22 15:11
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 04:41	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 04:41	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 04:41	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 04:41	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 04:41	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*		*12/24/22 04:41*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*12/24/22 04:41*	*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-3A
Lab Sample ID: 890-3645-2
Date Collected: 12/13/22 11:55
Matrix: Water
Date Received: 12/13/22 15:11
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 05:08	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 05:08	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 05:08	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 05:08	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 05:08	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*		*12/24/22 05:08*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*		*12/24/22 05:08*	*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-4A
Lab Sample ID: 890-3645-3
Date Collected: 12/13/22 11:30
Matrix: Water
Date Received: 12/13/22 15:11
Sample Depth: N/A

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000767**	**J**	0.00200	0.000408	mg/L			12/24/22 05:35	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			12/24/22 05:35	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			12/24/22 05:35	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			12/24/22 05:35	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			12/24/22 05:35	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			12/24/22 05:35	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-4A
Lab Sample ID: 890-3645-3
Date Collected: 12/13/22 11:30
Matrix: Water
Date Received: 12/13/22 15:11
Sample Depth: N/A

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*		*12/24/22 05:35*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*12/24/22 05:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.000767**	**J**	0.00400	0.000657	mg/L			12/26/22 16:34	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-3645-1

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)										
890-3645-1	MW-21A	148 S1+	90										
890-3645-2	MW-3A	130	79										
890-3645-3	MW-4A	130	91										
LCS 880-42571/3	Lab Control Sample	108	97										
LCSD 880-42571/4	Lab Control Sample Dup	113	100										
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 #2 (MTJ2)

Job ID: 890-3645-1

Method: 8021B - Volatile Organic Compounds (GC)

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 880-42571/3
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	0.09093		mg/L		91	70 - 130		
Toluene			0.100	0.08993		mg/L		90	70 - 130		
Ethylbenzene			0.100	0.1101		mg/L		110	70 - 130		
m-Xylene & p-Xylene			0.200	0.2256		mg/L		113	70 - 130		
o-Xylene			0.100	0.1101		mg/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-42571/4
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	0.09093		mg/L		91	70 - 130	0	20
Toluene			0.100	0.09239		mg/L		92	70 - 130	3	20
Ethylbenzene			0.100	0.1080		mg/L		108	70 - 130	2	20
m-Xylene & p-Xylene			0.200	0.2219		mg/L		111	70 - 130	2	20
o-Xylene			0.100	0.1105		mg/L		110	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Job ID: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

GC VOA

Analysis Batch: 42571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3645-1	MW-21A	Total/NA	Water	8021B	
890-3645-2	MW-3A	Total/NA	Water	8021B	
890-3645-3	MW-4A	Total/NA	Water	8021B	
MB 880-42571/8	Method Blank	Total/NA	Water	8021B	
LCS 880-42571/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-42571/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 42611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3645-1	MW-21A	Total/NA	Water	Total BTEX	
890-3645-2	MW-3A	Total/NA	Water	Total BTEX	
890-3645-3	MW-4A	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

Client Sample ID: MW-21A
Lab Sample ID: 890-3645-1
Date Collected: 12/13/22 13:00
Matrix: Water
Date Received: 12/13/22 15:11

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 04:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42611	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-3A
Lab Sample ID: 890-3645-2
Date Collected: 12/13/22 11:55
Matrix: Water
Date Received: 12/13/22 15:11

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 05:08	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42611	12/26/22 16:34	AJ	EET MID

Client Sample ID: MW-4A
Lab Sample ID: 890-3645-3
Date Collected: 12/13/22 11:30
Matrix: Water
Date Received: 12/13/22 15:11

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 05:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			42611	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: 890-3645-1
Project/Site: Moore to Jal #2 (MTJ2)

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: 890-3645-1

Project/Site: Moore to Jal #2 (MTJ2)

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: 890-3645-1

Project/Site: Moore to Jal #2 (MTJ2)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3645-1	MW-21A	Water	12/13/22 13:00	12/13/22 15:11	N/A
890-3645-2	MW-3A	Water	12/13/22 11:55	12/13/22 15:11	N/A
890-3645-3	MW-4A	Water	12/13/22 11:30	12/13/22 15:11	N/A

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Chain of Custody

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

Work Order No: _____

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Project Manager:	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# 2002-10273
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 #2 (MTJ2)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, K. Taylor, N. Rose	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Thm-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	9.2
Total Containers:		Corrected Temperature:	9.0

ANALYSIS REQUEST

Pres. Code

Parameters: BTEX 8021B

890-3645 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-21A	GW	12/13/22	13:00	N/A		3	X
MW-3A	1	1	11:55	1		1	1
MW-4A	1	1	11:30	1		1	1

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		12-13-221511	2		
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: 890-1064 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-3645-1
Address: 1211 W Florida Ave ,	Due Date Requested: 12/19/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: moore to jal #2 mtj2	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-21A (890-3645-1)	12/13/22	13 00 Mountain		Water			X	X	3	
MW-3A (890-3645-2)	12/13/22	11 55 Mountain		Water			X	X	3	
MW-4A (890-3645-3)	12/13/22	11 30 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 our 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 compliance to Eurofins Environment Testing South Central LLC

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

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

Relinquished by:	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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-1064 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-3645-1
Address: 1211 W Florida Ave ,	Due Date Requested: 12/19/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: moore to jal #2 mtj2	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-21A (890-3645-1)	12/13/22	13 00 Mountain		Water			X	X	3	
MW-3A (890-3645-2)	12/13/22	11 55 Mountain		Water			X	X	3	
MW-4A (890-3645-3)	12/13/22	11 30 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 our 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 compliance to Eurofins Environment Testing South Central, LLC.

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

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3645-1

Login Number: 3645 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-3645-1

Login Number: 3645 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 12/15/22 11:29 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	

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 202772

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 202772
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	1. Continue quarterly sampling for wells per report. 2. Submit annual groundwater report for 2023 by April 1, 2024.	6/6/2023