talonlpe.com • 866.742.0742

TALON LPE

REVIEWED
By Mike Buchanan at 11:08 am, Jul 29, 2024

2023 Annual Groundwater Monitoring Report

8" Moore to Jal #2
Lea, New Mexico
SRS # 2002-10273
NMOCD REF. # nAPP2109527131

Review of the 2023 Annual Groundwater Monitoring Report for 8" Moore to Jal #2: content satisfactory.
1. Continue to conduct quarterly groundwater monitoring as prescribed.
2. Install additional 13 monitoring wells with work plan portion included in the next annual report.
3. Submit the 2024 annual report to OCD by April 1 2025.

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

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

March 4, 2024

2023 ANNUAL GROUNDWATER MONITORING REPORT

8" Moore to Jal #2
Lea, New Mexico
SRS # 2002-10273
NMOCD REF. # nAPP2109527131

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

Prepared By:

Carol Grimes for

Joshua Frenya
Staff Geologist

Reviewed By:

Paul Santos

Paul Santos, P.E.
Regional Manager, Senior Engineer

PAUL A. SANTOS
NEW MEXICO
17808
LICENSED PROFESSIONAL ENGINEER
5/31/24

Talon/LPE, Ltd.
408 Texas Avenue
Artesia, New Mexico 88210

March 4, 2024

DISTRIBUTION LIST

Name	Title	Company or Agency	Mailing Address	E-mail
Nelson Velez	Environmental Specialist - Advanced	NMOCD	1000 Rio Brazos Road Aztec, New Mexico 87410	Nelson.Velez@emnrd.nm.gov
Ryan Mann	Remediation Specialist	NMSLO	2827 N. Dal Paso, Ste. 117 Hobbs, New Mexico 88240	RMann@slo.state.nm.us
Karolanne Hudgens	HSE Remediation Specialist II	Plains Pipeline	1106 Griffith Drive Midland, Texas 79706	karolanne.hudgens@plains.com
David J. Adkins	Regional Manager	Talon/LPE	408 W. Texas Avenue Artesia, New Mexico 88210	DAdkins@talonlpe.com

NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

TABLE OF CONTENTS

APPENDICES

1. INTRODUCTION AND SITE HISTORY

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 Pipeline, L.P. 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 was retained by Plains to assume remediation activities at the site. Remediation activities at the site were previously conducted by Environmental Plus, Inc. (EPI).

1.1 Site Geology

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

1.2 Previous Environmental Investigations

Currently, there are a total of 23 groundwater monitor wells existing in the vicinity of the release (see Figure 1 in Appendix A). 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.

During 2023, a total of four (4) groundwater monitoring events were conducted in March, June, September, and December.

1.3 Regulatory Framework

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

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

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

2. SITE ACTIVITIES

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

2.1 Groundwater Monitoring Activities

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

During the March 2023 groundwater monitoring event, all 23 monitor wells were gauged. A total of three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were purged and sampled. It was noted that 17 monitor wells (MW-1, MW-2, MW-5 through MW-9, MW-11 through MW-16, MW-18 through MW-20, and MW-23) were dry when gauged and monitor wells MW-10, MW-17, and MW-22 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2023 groundwater monitoring event, all 23 monitor wells were gauged. A total of three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were purged and sampled. It was noted that 18 monitor wells (MW-1, MW-2, MW-5 through MW-9, MW-11 through MW-20, and MW-23) were dry when gauged and monitor wells MW-10 and MW-22 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2023 groundwater monitoring event, all 23 monitor wells were gauged. A total of three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were purged and sampled. It was noted that 17 monitor wells (MW-1, MW-2, MW-5 through MW-9, MW-11 through MW-14, MW-17 through MW-20, MW-22, and MW-23) were dry when gauged, monitor well MW-10 did not have enough water to sample, and monitor wells MW-15 and MW-16 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2023 groundwater monitoring event, all 23 monitor wells were gauged. A total of three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were purged and sampled. It was noted that 18 monitor wells (MW-1, MW-2, MW-5 through MW-14, MW-17 through MW-20, MW-22, and MW-23) were dry when gauged and monitor wells MW-15 and MW-16 had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, 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 included in Appendix A contains all depth to fluid data collected during 2023.

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/LPE personnel until submittal to Eurofins Laboratories in Carlsbad, New Mexico for the first quarter and to Permian Basin Environmental in Midland, Texas for the second, third, and fourth quarters, for analysis. The groundwater samples collected during 2023 were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by Environmental Protection Agency (EPA) Method SW-846 8021B. The groundwater sample collected from MW-21A during the March 2023 event was 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.

Currently, there is no product recovery being preformed due to insufficient groundwater levels.

3. GROUNDWATER MONITORING RESULTS

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

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

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site ranged from 60.59 feet below ground surface (bgs) to 66.05 feet bgs and the groundwater flow direction is to the east northeast. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

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

3.2 Groundwater Gradient and Flow Direction

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

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

- March 09, 2023
- June 13, 2023
- September 11, 2023
- December 07, 2023

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

Based on fluid level measurements at the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2023 and December 2023 was southeast with an average gradient of 0.00395 feet per foot (ft/ft), or approximately 20.85 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 1.57 feet for the year 2023 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbons

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

During the March 2023 sampling event, PSH was not observed in any monitor wells.

During the June 2023 sampling event, PSH was not observed in any monitor wells.

During the September 2023 sampling event, PSH was not observed in any monitor wells.

During the December 2023 sampling event, PSH was not observed in any monitor wells.

3.4 Groundwater Sampling Results

During the March 2023 sampling event, three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.
- The naphthalene concentration was below the applicable laboratory MDL in the well sampled. The naphthalene concentration did not exceed the NMWQCC groundwater standard of 0.030 mg/L in the monitor well sampled this quarter.
- The benzo(a)pyrene concentration was below the applicable laboratory MDL in the well sampled. The benzo(a)pyrene concentration did not exceed the NMWQCC groundwater standard of 0.0007 mg/L in the monitor well sampled this quarter.

During the June 2023 sampling event, three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

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

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

During the September 2023 sampling event, three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the December 2023 sampling event, three (3) monitor wells (MW-3A, MW-4A, and MW-21A) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

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

4. CONCLUSIONS AND RECOMMENDATIONS

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

4.1 Summary of Findings

- The groundwater flow direction is generally to the southeast with an average gradient of 0.0395 feet per foot based on the water level measurement data collected in 2023.
- Groundwater levels at the subject site have decreased an average of 1.57 feet for the year 2023.
- PSH has not impacted monitor wells in 2023.
- Dissolved-phase concentrations were stable during 2023

4.2 Recommendations

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

- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.
- Install 13 additional wells due to insufficient groundwater.

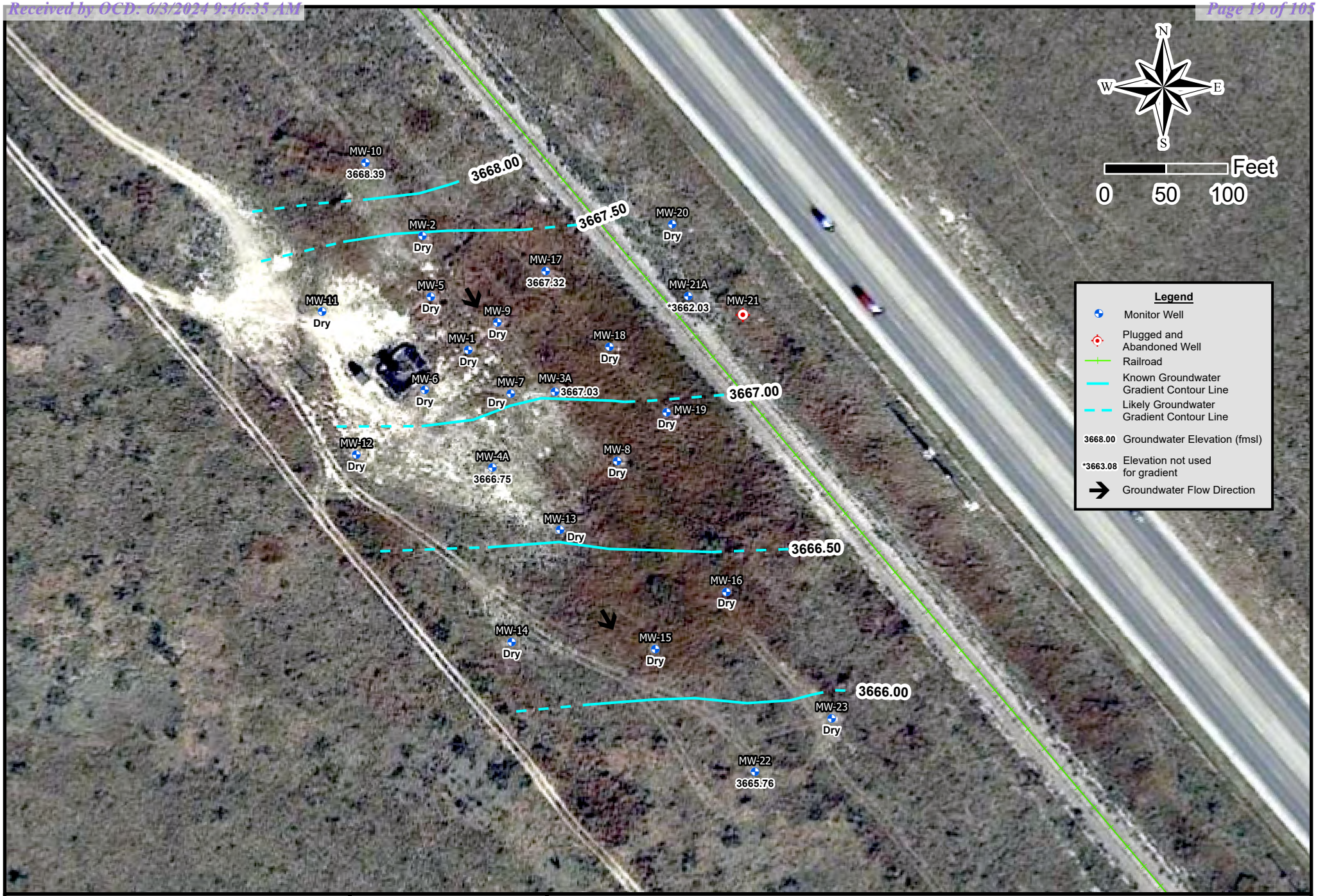
APPENDIX A

Figures

TALON LPE

Date: 3/6/2024
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 1 - Site Map



TALON LPE

Date: 5/18/2023
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 2a - Groundwater Gradient Map (03/09/2023)

TALON LPE

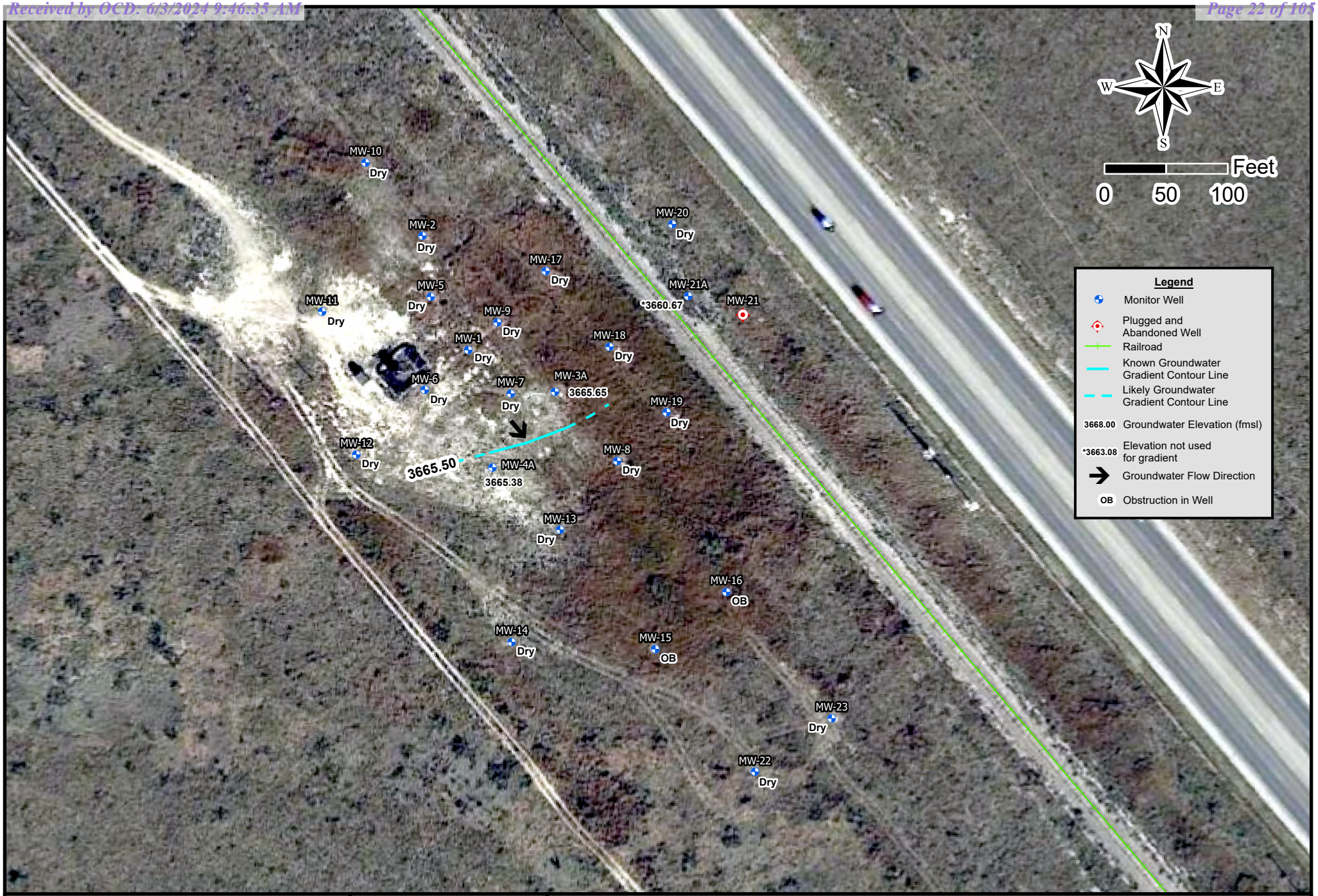
Date: 8/25/2023
1 in = 100 ft
Drafted By: IJR

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 (06/13/2023)

TALON LPE

Date: 10/20/2023
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 2c - Groundwater Gradient Map (09/11/2023)



TALON LPE

Date: 1/19/2024
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 (12/07/2023)

TALON LPE

Date: 3/6/2024
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 (03/10/2023)

TALON LPE

Date: 8/1/2023
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 (06/14/2023)

TALON LPE

Date: 3/6/2024
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 3c - Groundwater Concentration Map (09/11/2023)

TALON LPE

Date: 1/18/2024
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 (12/07/2023)

APPENDIX B

Tables

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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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
				03/09/2023	106.56	-	-	3667.03
				06/13/2023	106.94	-	-	3666.65
				09/11/2023	107.50	-	-	3666.09
				12/07/2023	107.94	-	-	3665.65
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
				03/09/2023	107.52	-	-	3666.75
				06/13/2023	107.89	-	-	3666.38
				09/11/2023	108.44	-	-	3665.83
				12/07/2023	108.89	-	-	3665.38

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
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	DR	-	-	-
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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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
				03/09/2023	103.51	-	-	3668.39
				06/13/2023	103.45	-	-	3668.45
				09/11/2023	103.56	-	-	3668.34
				12/07/2023	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-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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	OB	-	-	-
				12/07/2023	OB	-	-	-
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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	OB	-	-	-
				12/07/2023	OB	-	-	-

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
				03/09/2023	103.94	-	-	3667.32
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	DR	-	-	-
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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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	-	-	-
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	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-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
				03/09/2023	106.41	-	-	3662.03
				06/13/2023	106.80	-	-	3661.64
				09/11/2023	107.37	-	-	3661.07
				12/07/2023	107.77	-	-	3660.67
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
				03/09/2023	107.16	-	-	3665.76
				06/13/2023	107.56	-	-	3665.36
				09/11/2023	DR	-	-	-
				12/07/2023	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-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
				03/09/2023	DR	-	-	-
				06/13/2023	DR	-	-	-
				09/11/2023	DR	-	-	-
				12/07/2023	DR	-	-	-

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	-	-
	03/10/2023	□0.000408	□0.000367	□0.000657	□0.000642	□0.000657	-	-
	06/14/2023	□0.000500	□0.000500	□0.000500	□0.000500	□0.000500	-	-
	09/11/2023	□0.00100	□0.00100	□0.00100	□0.00100	□0.00100	-	-
	12/07/2023	□0.00100	□0.00100	□0.00100	□0.00100	0.000920	-	-
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	-	-
	03/10/2023	□0.000408	□0.000367	□0.000657	□0.000642	□0.000657	-	-
	06/14/2023	□0.000500	□0.000500	□0.000500	□0.000500	□0.000500	-	-
	09/11/2023	□0.00100	□0.00100	□0.00100	□0.00100	□0.00100	-	-
	12/07/2023	□0.00100	□0.00100	□0.00100	□0.00100	□0.00100	-	-

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	-	-
	03/10/2023	□0.000408	□0.000367	□0.000657	□0.000642	□0.000657	-	-
	06/14/2023	□0.000500	□0.000500	□0.000500	□0.000500	□0.000500	-	-
	09/11/2023	□0.00100	□0.00100	□0.00100	□0.00100	□0.00100	-	-
	12/07/2023	□0.00100	□0.00100	□0.00100	□0.00100	□0.00100	-	-
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) pyrer (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC - Groundwater Standards		-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.030	0.001	0.001
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
	03/10/2023	<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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/23/2023 12:03:13 PM

JOB DESCRIPTION

Moore to Jal #2 (MTJ2)
SDG NUMBER Lea County

JOB NUMBER

890-4282-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

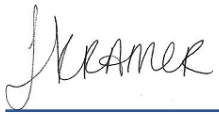
my EOL

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
3/23/2023 12:03:13 PM

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

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

Laboratory Job ID: 890-4282-1
SDG: Lea County

Table of Contents

Definitions/Glossary

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

Job ID: 890-4282-1
SDG: Lea County

Qualifiers

GC/MS Semi VOA

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

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: 890-4282-1
SDG: Lea County

Job ID: 890-4282-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4282-1

Receipt
The samples were received on 3/10/2023 2:32 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 16.2°C

GC/MS Semi VOA
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
Project/Site: Moore to Jal #2 (MTJ2)

Job ID: 890-4282-1
SDG: Lea County

Client Sample ID: MW-4A

Lab Sample ID: 890-4282-1
Matrix: Water
Date Collected: 03/10/23 10:47
Date Received: 03/10/23 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 00:16	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 00:16	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 00:16	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 00:16	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 00:16	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*03/23/23 00:16*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*03/23/23 00:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Client Sample ID: MW-3A

Lab Sample ID: 890-4282-2
Matrix: Water
Date Collected: 03/10/23 11:30
Date Received: 03/10/23 14:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 00:36	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 00:36	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 00:36	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 00:36	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 00:36	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*03/23/23 00:36*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*		*03/23/23 00:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Client Sample ID: MW21A

Lab Sample ID: 890-4282-3
Matrix: Water
Date Collected: 03/10/23 12:23
Date Received: 03/10/23 14:32

Method: SW846 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		03/15/23 22:45	03/16/23 18:09	1
Acenaphthylene	<0.0000825	U	0.000178	0.0000825	mg/L		03/15/23 22:45	03/16/23 18:09	1
Anthracene	<0.0000882	U	0.000178	0.0000882	mg/L		03/15/23 22:45	03/16/23 18:09	1
Benzo[a]anthracene	<0.000131	U	0.000178	0.000131	mg/L		03/15/23 22:45	03/16/23 18:09	1
Benzo[a]pyrene	<0.0000560	U	0.000178	0.0000560	mg/L		03/15/23 22:45	03/16/23 18:09	1
Benzo[b]fluoranthene	<0.0000686	U	0.000178	0.0000686	mg/L		03/15/23 22:45	03/16/23 18:09	1
Benzo[g,h,i]perylene	<0.000111	U	0.000178	0.000111	mg/L		03/15/23 22:45	03/16/23 18:09	1
Benzo[k]fluoranthene	<0.000114	U	0.000178	0.000114	mg/L		03/15/23 22:45	03/16/23 18:09	1
Chrysene	<0.000153	U	0.000178	0.000153	mg/L		03/15/23 22:45	03/16/23 18:09	1

Client Sample Results

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

Job ID: 890-4282-1
SDG: Lea County

Client Sample ID: MW21A
Date Collected: 03/10/23 12:23
Date Received: 03/10/23 14:32

Lab Sample ID: 890-4282-3
Matrix: Water

Method: SW846 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.0000745	U	0.000178	0.0000745	mg/L		03/15/23 22:45	03/16/23 18:09	1
Dibenzofuran	<0.0000980	U	0.000178	0.0000980	mg/L		03/15/23 22:45	03/16/23 18:09	1
Fluoranthene	<0.000154	U	0.000178	0.000154	mg/L		03/15/23 22:45	03/16/23 18:09	1
Fluorene	<0.0000990	U	0.000178	0.0000990	mg/L		03/15/23 22:45	03/16/23 18:09	1
Indeno[1,2,3-cd]pyrene	<0.0000895	U	0.000178	0.0000895	mg/L		03/15/23 22:45	03/16/23 18:09	1
Naphthalene	<0.0000953	U	0.00357	0.0000953	mg/L		03/15/23 22:45	03/16/23 18:09	1
Phenanthrene	<0.0000833	U	0.000178	0.0000833	mg/L		03/15/23 22:45	03/16/23 18:09	1
Pyrene	<0.000127	U	0.000178	0.000127	mg/L		03/15/23 22:45	03/16/23 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*54 - 146*	*03/15/23 22:45*	*03/16/23 18:09*	*1*
Nitrobenzene-d5	*96*		*46 - 151*	*03/15/23 22:45*	*03/16/23 18:09*	*1*
p-Terphenyl-d14	*64*		*51 - 139*	*03/15/23 22:45*	*03/16/23 18:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/23/23 00:57	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/23/23 00:57	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/23/23 00:57	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/23/23 00:57	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/23/23 00:57	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/23/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*03/23/23 00:57*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*03/23/23 00:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

Surrogate Summary

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

Job ID: 890-4282-1
SDG: Lea County

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)
890-4282-3	MW21A	100	96	64
LCS 860-94369/2-A	Lab Control Sample	106	105	99
LCSD 860-94369/3-A	Lab Control Sample Dup	97	97	93
MB 860-94369/1-A	Method Blank	97	88	96

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)
890-4282-1	MW-4A	103	110
890-4282-1 MS	MW-4A	106	109
890-4282-1 MSD	MW-4A	109	113
890-4282-2	MW-3A	113	112
890-4282-3	MW21A	110	108
LCS 880-49161/34	Lab Control Sample	107	111
LCSD 880-49161/35	Lab Control Sample Dup	104	111
MB 880-48983/5-A	Method Blank	98	106
MB 880-49161/39	Method Blank	99	104

Surrogate Legend

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

QC Sample Results

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

Job ID: 890-4282-1
SDG: Lea County

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

Lab Sample ID: MB 860-94369/1-A
Matrix: Water
Analysis Batch: 94377

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 94369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000102	U	0.000186	0.000102	mg/L		03/15/23 22:45	03/16/23 11:06	1
Acenaphthylene	<0.0000859	U	0.000186	0.0000859	mg/L		03/15/23 22:45	03/16/23 11:06	1
Anthracene	<0.0000918	U	0.000186	0.0000918	mg/L		03/15/23 22:45	03/16/23 11:06	1
Benzo[a]anthracene	<0.000137	U	0.000186	0.000137	mg/L		03/15/23 22:45	03/16/23 11:06	1
Benzo[a]pyrene	<0.0000583	U	0.000186	0.0000583	mg/L		03/15/23 22:45	03/16/23 11:06	1
Benzo[b]fluoranthene	<0.0000714	U	0.000186	0.0000714	mg/L		03/15/23 22:45	03/16/23 11:06	1
Benzo[g,h,i]perylene	<0.000115	U	0.000186	0.000115	mg/L		03/15/23 22:45	03/16/23 11:06	1
Benzo[k]fluoranthene	<0.000118	U	0.000186	0.000118	mg/L		03/15/23 22:45	03/16/23 11:06	1
Chrysene	<0.000159	U	0.000186	0.000159	mg/L		03/15/23 22:45	03/16/23 11:06	1
Dibenz(a,h)anthracene	<0.0000776	U	0.000186	0.0000776	mg/L		03/15/23 22:45	03/16/23 11:06	1
Dibenzofuran	<0.000102	U	0.000186	0.000102	mg/L		03/15/23 22:45	03/16/23 11:06	1
Fluoranthene	<0.000160	U	0.000186	0.000160	mg/L		03/15/23 22:45	03/16/23 11:06	1
Fluorene	<0.000103	U	0.000186	0.000103	mg/L		03/15/23 22:45	03/16/23 11:06	1
Indeno[1,2,3-cd]pyrene	<0.0000932	U	0.000186	0.0000932	mg/L		03/15/23 22:45	03/16/23 11:06	1
Naphthalene	<0.0000992	U	0.00371	0.0000992	mg/L		03/15/23 22:45	03/16/23 11:06	1
Phenanthrene	<0.0000867	U	0.000186	0.0000867	mg/L		03/15/23 22:45	03/16/23 11:06	1
Pyrene	<0.000133	U	0.000186	0.000133	mg/L		03/15/23 22:45	03/16/23 11:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*54 - 146*	*03/15/23 22:45*	*03/16/23 11:06*	*1*
Nitrobenzene-d5	*88*		*46 - 151*	*03/15/23 22:45*	*03/16/23 11:06*	*1*
p-Terphenyl-d14	*96*		*51 - 139*	*03/15/23 22:45*	*03/16/23 11:06*	*1*

Lab Sample ID: LCS 860-94369/2-A
Matrix: Water
Analysis Batch: 94377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94369

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene			0.0185	0.02045		mg/L		111	66 - 174		
Acenaphthylene			0.0185	0.02019		mg/L		109	67 - 182		
Anthracene			0.0185	0.02031		mg/L		110	55 - 191		
Benzo[a]anthracene			0.0185	0.01776		mg/L		96	16 - 171		
Benzo[a]pyrene			0.0185	0.01668		mg/L		90	10 - 165		
Benzo[b]fluoranthene			0.0185	0.01670		mg/L		90	10 - 166		
Benzo[g,h,i]perylene			0.0185	0.01664		mg/L		90	10 - 154		
Benzo[k]fluoranthene			0.0185	0.01809		mg/L		98	10 - 178		
Chrysene			0.0185	0.01850		mg/L		100	10 - 172		
Dibenz(a,h)anthracene			0.0185	0.01711		mg/L		93	10 - 168		
Dibenzofuran			0.0185	0.02024		mg/L		110	68 - 178		
Fluoranthene			0.0185	0.01973		mg/L		107	52 - 185		
Fluorene			0.0185	0.02041		mg/L		111	64 - 184		
Indeno[1,2,3-cd]pyrene			0.0185	0.01681		mg/L		91	10 - 160		
Naphthalene			0.0185	0.02047		mg/L		111	66 - 166		
Phenanthrene			0.0185	0.02025		mg/L		110	66 - 184		
Pyrene			0.0185	0.02018		mg/L		109	58 - 181		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*106*		*54 - 146*

QC Sample Results

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

Job ID: 890-4282-1
SDG: Lea County

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

Lab Sample ID: LCS 860-94369/2-A
Matrix: Water
Analysis Batch: 94377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94369

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	105		46 - 151
p-Terphenyl-d14	99		51 - 139

Lab Sample ID: LCSD 860-94369/3-A
Matrix: Water
Analysis Batch: 94377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 94369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.0185	0.01871		mg/L		101	66 - 174	9	40
Acenaphthylene			0.0185	0.01849		mg/L		100	67 - 182	9	40
Anthracene			0.0185	0.01858		mg/L		101	55 - 191	9	40
Benzo[a]anthracene			0.0185	0.01654		mg/L		90	16 - 171	7	50
Benzo[a]pyrene			0.0185	0.01542		mg/L		84	10 - 165	8	50
Benzo[b]fluoranthene			0.0185	0.01516		mg/L		82	10 - 166	10	50
Benzo[g,h,i]perylene			0.0185	0.01544		mg/L		84	10 - 154	7	50
Benzo[k]fluoranthene			0.0185	0.01692		mg/L		92	10 - 178	7	50
Chrysene			0.0185	0.01745		mg/L		95	10 - 172	6	50
Dibenz(a,h)anthracene			0.0185	0.01558		mg/L		84	10 - 168	9	50
Dibenzofuran			0.0185	0.01852		mg/L		100	68 - 178	9	40
Fluoranthene			0.0185	0.01813		mg/L		98	52 - 185	8	40
Fluorene			0.0185	0.01878		mg/L		102	64 - 184	8	40
Indeno[1,2,3-cd]pyrene			0.0185	0.01558		mg/L		84	10 - 160	8	50
Naphthalene			0.0185	0.01846		mg/L		100	66 - 166	10	40
Phenanthrene			0.0185	0.01847		mg/L		100	66 - 184	9	40
Pyrene			0.0185	0.01836		mg/L		100	58 - 181	9	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	97		54 - 146
Nitrobenzene-d5	97		46 - 151
p-Terphenyl-d14	93		51 - 139

Method: 8021B - Volatile Organic Compounds (GC)

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

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

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

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

Eurofins Carlsbad

QC Sample Results

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

Job ID: 890-4282-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

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

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

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

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

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

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

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

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

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08915		mg/L		89	70 - 130	14	20
Toluene			0.100	0.09279		mg/L		93	70 - 130	11	20
Ethylbenzene			0.100	0.08298		mg/L		83	70 - 130	8	20
m-Xylene & p-Xylene			0.200	0.1634		mg/L		82	70 - 130	8	20
o-Xylene			0.100	0.08406		mg/L		84	70 - 130	7	20

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

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

Client Sample ID: MW-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000408	U	0.100	0.1019		mg/L		102	70 - 130		
Toluene	<0.000367	U	0.100	0.1045		mg/L		105	70 - 130		

QC Sample Results

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

Job ID: 890-4282-1
SDG: Lea County

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

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

Client Sample ID: MW-4A
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	0.08769		mg/L		88	70 - 130
m-Xylene & p-Xylene	<0.000629	U	0.200	0.1707		mg/L		85	70 - 130
o-Xylene	<0.000642	U	0.100	0.08857		mg/L		89	70 - 130

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

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

Client Sample ID: MW-4A
Prep Type: Total/NA

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

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

QC Association Summary

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

Job ID: 890-4282-1
SDG: Lea County

GC/MS Semi VOA

Prep Batch: 94369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4282-3	MW21A	Total/NA	Water	3511	
MB 860-94369/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-94369/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-94369/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 94377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-94369/1-A	Method Blank	Total/NA	Water	8270D SIM	94369
LCS 860-94369/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	94369
LCSD 860-94369/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	94369

Analysis Batch: 94503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4282-3	MW21A	Total/NA	Water	8270D SIM	94369

GC VOA

Prep Batch: 48983

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

Analysis Batch: 49161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4282-1	MW-4A	Total/NA	Water	8021B	
890-4282-2	MW-3A	Total/NA	Water	8021B	
890-4282-3	MW21A	Total/NA	Water	8021B	
MB 880-48983/5-A	Method Blank	Total/NA	Water	8021B	48983
MB 880-49161/39	Method Blank	Total/NA	Water	8021B	
LCS 880-49161/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-49161/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4282-1 MS	MW-4A	Total/NA	Water	8021B	
890-4282-1 MSD	MW-4A	Total/NA	Water	8021B	

Analysis Batch: 49302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4282-1	MW-4A	Total/NA	Water	Total BTEX	
890-4282-2	MW-3A	Total/NA	Water	Total BTEX	
890-4282-3	MW21A	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 890-4282-1
SDG: Lea County

Client Sample ID: MW-4A

Date Collected: 03/10/23 10:47
Date Received: 03/10/23 14:32

Lab Sample ID: 890-4282-1

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	49161	03/23/23 00:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49302	03/23/23 10:35	AJ	EET MID

Client Sample ID: MW-3A

Date Collected: 03/10/23 11:30
Date Received: 03/10/23 14:32

Lab Sample ID: 890-4282-2

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	49161	03/23/23 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49302	03/23/23 10:35	AJ	EET MID

Client Sample ID: MW21A

Date Collected: 03/10/23 12:23
Date Received: 03/10/23 14:32

Lab Sample ID: 890-4282-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			56.1 mL	2 mL	94369	03/15/23 22:45	RC	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	94503	03/16/23 18:09	T1S	EET HOU
Total/NA	Analysis	8021B		1	5 mL	5 mL	49161	03/23/23 00:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49302	03/23/23 10:35	AJ	EET MID

Laboratory References:

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

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: 890-4282-1
SDG: Lea County

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	T104704215-23-50	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
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	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

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

Job ID: 890-4282-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET HOU
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3511	Microextraction of Organic Compounds	SW846	EET HOU
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 HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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: 890-4282-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4282-1	MW-4A	Water	03/10/23 10:47	03/10/23 14:32
890-4282-2	MW-3A	Water	03/10/23 11:30	03/10/23 14:32
890-4282-3	MW21A	Water	03/10/23 12:23	03/10/23 14:32

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR Mod 7
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	16.4
Total Containers:		Corrected Temperature:	16.2

ANALYSIS REQUEST

Pres. Code / Parameters: BTEX 8021B; PAH

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	PAH
MW-4A	GW	3/10/23	10:47	N/A		3	X	
MW-3A	"	"	11:30	"		3	"	
MW-21A	"	"	12:23	"		5	"	X

Sample Comments

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.10.23 1432			
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

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-1175.1
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 #: 890-4282-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/16/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(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)	8270D_SIM/3611 8270D (PAHs)-3611Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW21A (890-4282-3)	3/10/23	12:23 Mountain		Water			X	2	

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	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: FedEX	Date/Time:	Company
Relinquished by: FedEX	Date/Time:	Company	Received by:	Date/Time: 3/14/2023 10	Company EX
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:

Temp: IR ID HOU-344
C/F -0.2 2 1
Corrected Temp 1.9

Ver 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4282-1
SDG Number: Lea County

Login Number: 4282
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4282-1
SDG Number: Lea County

Login Number: 4282
List Number: 3
Creator: Pena, Jesiel

List Source: Eurofins Houston
List Creation: 03/14/23 09:03 PM

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: 890-4282-1
SDG Number: Lea County

Login Number: 4282
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/14/23 11:36 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	

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

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Certification Current

Project: Moore to Jal #2 (MTJ2)

Project Number: SRS#2002-10273

Location: Lea County, NM

Lab Order Number: 3F14014

Report Date: 07/13/23

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-21A	3F14014-01	Water	06/14/23 08:53	06-14-2023 14:15
MW-3A	3F14014-02	Water	06/14/23 09:29	06-14-2023 14:15
MW-4A	3F14014-03	Water	06/14/23 09:58	06-14-2023 14:15

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

Organics by GC

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-21A (3F14014-01) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3F2112	06/21/23	06/29/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*162 %*		*80-120*	"	"	"	"	*S-GC*
Surrogate: 1,4-Difluorobenzene			*95.1 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-3A (3F14014-02) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3F2112	06/21/23	06/29/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*158 %*		*80-120*	"	"	"	"	*S-GC*
Surrogate: 1,4-Difluorobenzene			*90.6 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-4A (3F14014-03) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3F2112	06/21/23	06/29/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*163 %*		*80-120*	"	"	"	"	*S-GC*
Surrogate: 1,4-Difluorobenzene			*93.0 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F2112 - * DEFAULT PREP *****				Analyst:JLB/BB/SG						
Blank (P3F2112-BLK1)				Prepared & Analyzed: 06/21/23						
Benzene	ND	0.00100	mg/L							
Toluene	0.000530	0.00100	"							J
Ethylbenzene	0.000650	0.00100	"							J
Xylene (p/m)	0.00167	0.00200	"							J
Xylene (o)	0.000850	0.00100	"							J
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
LCS (P3F2112-BS1)				Prepared & Analyzed: 06/21/23						
Benzene	0.0821	0.00100	mg/L	0.100		82.1	80-120			
Toluene	0.0846	0.00100	"	0.100		84.6	80-120			
Ethylbenzene	0.0993	0.00100	"	0.100		99.3	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.7	80-120			
Xylene (o)	0.0885	0.00100	"	0.100		88.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
LCS Dup (P3F2112-BSD1)				Prepared & Analyzed: 06/21/23						
Benzene	0.0805	0.00100	mg/L	0.100		80.5	80-120	2.07	20	
Toluene	0.0820	0.00100	"	0.100		82.0	80-120	3.24	20	
Ethylbenzene	0.0968	0.00100	"	0.100		96.8	80-120	2.53	20	
Xylene (p/m)	0.186	0.00200	"	0.200		93.1	80-120	1.68	20	
Xylene (o)	0.0875	0.00100	"	0.100		87.5	80-120	1.15	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Blank (P3F2112-CCB1)				Prepared & Analyzed: 06/21/23						
Benzene	0.190		ug/l							
Toluene	0.460		"							
Ethylbenzene	0.650		"							J
Xylene (p/m)	1.63		"							J
Xylene (o)	0.100		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F2112 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Calibration Blank (P3F2112-CCB2)					Prepared: 06/21/23 Analyzed: 06/29/23					
Benzene	0.0600		ug/l							
Toluene	0.100		"							
Ethylbenzene	0.100		"							
Xylene (p/m)	0.440		"							
Xylene (o)	0.180		"							
Surrogate: 4-Bromofluorobenzene	*0.184*		*"*	*0.120*		*153*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.7*	*80-120*			
Calibration Check (P3F2112-CCV1)					Prepared & Analyzed: 06/21/23					
Benzene	0.0828	0.00100	mg/L	0.100		82.8	80-120			
Toluene	0.0844	0.00100	"	0.100		84.4	80-120			
Ethylbenzene	0.0921	0.00100	"	0.100		92.1	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.2	80-120			
Xylene (o)	0.0880	0.00100	"	0.100		88.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P3F2112-CCV2)					Prepared & Analyzed: 06/21/23					
Benzene	0.0830	0.00100	mg/L	0.100		83.0	80-120			
Toluene	0.0853	0.00100	"	0.100		85.3	80-120			
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.0901	0.00100	"	0.100		90.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P3F2112-CCV3)					Prepared & Analyzed: 06/21/23					
Benzene	0.0830	0.00100	mg/L				80-120			
Toluene	0.0853	0.00100	"				80-120			
Ethylbenzene	0.0941	0.00100	"				80-120			
Xylene (p/m)	0.189	0.00200	"				80-120			
Xylene (o)	0.0901	0.00100	"				80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F2112 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Matrix Spike (P3F2112-MS1)		**Source: 3F16012-01**			Prepared & Analyzed: 06/21/23					
Benzene	0.0870	0.00100	mg/L	0.100	ND	87.0	80-120			
Toluene	0.0927	0.00100	"	0.100	0.000730	92.0	80-120			
Ethylbenzene	0.110	0.00100	"	0.100	ND	110	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200	ND	106	80-120			
Xylene (o)	0.0976	0.00100	"	0.100	ND	97.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P3F2112-MSD1)		**Source: 3F16012-01**			Prepared & Analyzed: 06/21/23					
Benzene	0.0936	0.00100	mg/L	0.100	ND	93.6	80-120	7.30	20	
Toluene	0.100	0.00100	"	0.100	0.000730	99.7	80-120	8.03	20	
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120	7.82	20	
Xylene (p/m)	0.229	0.00200	"	0.200	ND	115	80-120	7.52	20	
Xylene (o)	0.106	0.00100	"	0.100	ND	106	80-120	8.44	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			

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

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
MQL	Method Quantitation Limit
SQL	Sample Quantitation Limit
UMQL	Unadjusted MQL = MQL / Dilution
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/13/2023

Brent Barron, Laboratory Director/Corp. Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Moore to Jal #2 (MTJ2)
Project #: Plains All American Pipeline
Project Loc: Lea County
PO #: SRS # 2002-10273
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3F14014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005	TX 1006 Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-21A			6/14/23	8:53		3	3		3						GW			X		X
2	MW-3A			〃	9:29		〃	〃		〃						〃			〃		〃
3	MW-4A			〃	9:58		〃	〃		〃						〃			〃		〃

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

Relinquished by:	Date	Time	Received by:	Date	Time
Matthew Gomez	6/14/23	10:08		6-14-23	10:08
	6-14-23				
			Received by PBEL:	06/14/23	14:15

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 12.0 °C Thermometor: CF0
Adjusted: °C Factor:

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

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

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

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

PBELAB

Analytical Report Rev. 1

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #2 (MTJ2)

Project Number: SRS#2002-10273

Location: LEA COUNTY

Lab Order Number: 3L08011

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 01/11/24

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3A	3L08011-01	Water	12/07/23 12:01	12-08-2023 14:16
MW-4A	3L08011-02	Water	12/07/23 13:01	12-08-2023 14:16
MW-21A	3L08011-03	Water	12/07/23 13:47	12-08-2023 14:16

This revised report reflects the correction of the reporting method for BTEX.

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

MW-3A

3L08011-01 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*88.9 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 07:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*91.2 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 07:36*	*EPA 8021B*	
Total BTEX	**0.000920**	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 07:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 07:36	EPA 8021B	

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

MW-4A

3L08011-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*89.4 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 08:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*91.9 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 08:46*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 08:46	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 08:46	EPA 8021B	

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

MW-21A

3L08011-03 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*88.6 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*91.8 %*		*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:09*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:09	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:09	EPA 8021B	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L1904 - * DEFAULT PREP *** **										
Blank (P3L1904-BLK1)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.3*	*80-120*			
LCS (P3L1904-BS1)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.0965	0.00100	mg/L	0.100		96.5	80-120			
Toluene	0.0891	0.00100	"	0.100		89.1	80-120			
Ethylbenzene	0.0899	0.00100	"	0.100		89.9	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		88.9	80-120			
Xylene (o)	0.0800	0.00100	"	0.100		80.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
LCS Dup (P3L1904-BSD1)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.0996	0.00100	mg/L	0.100		99.6	80-120	3.21	20	
Toluene	0.0928	0.00100	"	0.100		92.8	80-120	4.05	20	
Ethylbenzene	0.0948	0.00100	"	0.100		94.8	80-120	5.32	20	
Xylene (p/m)	0.186	0.00200	"	0.200		93.2	80-120	4.74	20	
Xylene (o)	0.0836	0.00100	"	0.100		83.6	80-120	4.30	20	
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.6*	*80-120*			
Calibration Blank (P3L1904-CCB1)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.150		ug/l							
Toluene	0.150		"							
Ethylbenzene	0.100		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.130		"							
Surrogate: 4-Bromofluorobenzene	*0.105*		"	*0.120*		*87.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		"	*0.120*		*90.9*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L1904 - * DEFAULT PREP *** **										
Calibration Blank (P3L1904-CCB2)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.260		ug/l							
Toluene	0.250		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.220		"							
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*80-120*			
Calibration Blank (P3L1904-CCB3)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.210		ug/l							
Toluene	0.340		"							
Ethylbenzene	0.240		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.400		"							
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Calibration Check (P3L1904-CCV1)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.5	80-120			
Xylene (o)	0.0893	0.00100	"	0.100		89.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.4*	*80-120*			
Calibration Check (P3L1904-CCV2)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0954	0.00100	"	0.100		95.4	80-120			
Ethylbenzene	0.0910	0.00100	"	0.100		91.0	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.5	80-120			
Xylene (o)	0.0862	0.00100	"	0.100		86.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*83.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.4*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3L1904 - * DEFAULT PREP *** **										
Calibration Check (P3L1904-CCV3)				Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.0992	0.00100	mg/L	0.100		99.2	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.0874	0.00100	"	0.100		87.4	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.7	80-120			
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*89.9*	*80-120*			
Matrix Spike (P3L1904-MS1)		**Source: 3L07011-06**		Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.0879	0.00100	mg/L	0.100	ND	87.9	80-120			
Toluene	0.0801	0.00100	"	0.100	ND	80.1	80-120			
Ethylbenzene	0.0793	0.00100	"	0.100	ND	79.3	80-120			QM-05
Xylene (p/m)	0.137	0.00200	"	0.200	ND	68.6	80-120			QM-05
Xylene (o)	0.0702	0.00100	"	0.100	ND	70.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.2*	*80-120*			
Matrix Spike Dup (P3L1904-MSD1)		**Source: 3L07011-06**		Prepared: 12/19/23 Analyzed: 12/20/23						
Benzene	0.0952	0.00100	mg/L	0.100	ND	95.2	80-120	8.00	20	
Toluene	0.0882	0.00100	"	0.100	ND	88.2	80-120	9.59	20	
Ethylbenzene	0.0881	0.00100	"	0.100	ND	88.1	80-120	10.5	20	
Xylene (p/m)	0.150	0.00200	"	0.200	ND	74.9	80-120	8.81	20	QM-05
Xylene (o)	0.0777	0.00100	"	0.100	ND	77.7	80-120	10.1	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.106*		"	*0.120*		*88.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			

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

Notes and Definitions

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

Report Approved By: Brent Barron Date: 1/11/2024

Brent Barron, Laboratory Director/Technical Director

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

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

L: ______ CH: ______ W: ______
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835
Fax No:
Sampler Signature: Bartlett Medley
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

Project Name: Moore to Jal #2 (MTJ2)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10273
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 3L08011

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-3A			12-7-23	12:01		3	X		X						GW			X		X
2	MW-4A			12-7-23	1:01		3	X		X						GW			X		X
3	MW-21A			12-7-23	1:47		3	X		X						GW			X		X

Analyze For: TCLP: TOTAL:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	12-8-23	10:39	Robert Benett	12/8/23	10:39
Robert Benett	12/8/23	14:16			
			Received by PBEL: Diana Bledsoe	12/8/23	14:16

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 3.9 °C Thermometor: NCS
Adjusted: °C Factor:

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

PBELAB

Analytical Report Rev. 1

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #2 (MTJ2)

Project Number: SRS#2002-10273

Location: LEA COUNTY

Lab Order Number: 3I12004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 01/11/24

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

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-21A	3I12004-01	Water	09/11/23 11:24	09-12-2023 10:41
MW-3A	3I12004-02	Water	09/11/23 11:52	09-12-2023 10:41
MW-4A	3I12004-03	Water	09/11/23 12:16	09-12-2023 10:41

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

MW-21A

3I12004-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*94.8 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 15:32*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*96.2 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 15:32*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 15:32	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 15:32	EPA 8021B	

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

MW-3A

3I12004-02 (Water)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*91.5 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 15:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*95.6 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 15:55*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 15:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 15:55	EPA 8021B	

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

MW-4A

3I12004-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3I1505	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*94.0 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 16:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*97.0 %*		*80-120*		*P3I1505*	*09/15/23 09:06*	*09/15/23 16:19*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 16:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/15/23 09:06	09/15/23 16:19	EPA 8021B	

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *** **										
Blank (P3I1505-BLK1)				Prepared & Analyzed: 09/15/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*80-120*			
LCS (P3I1505-BS1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0827	0.00100	mg/L	0.100		82.7	80-120			
Toluene	0.0858	0.00100	"	0.100		85.8	80-120			
Ethylbenzene	0.0928	0.00100	"	0.100		92.8	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.2	80-120			
Xylene (o)	0.0816	0.00100	"	0.100		81.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
LCS Dup (P3I1505-BSD1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0815	0.00100	mg/L	0.100		81.5	80-120	1.41	20	
Toluene	0.0853	0.00100	"	0.100		85.3	80-120	0.538	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	0.475	20	
Xylene (p/m)	0.186	0.00200	"	0.200		92.9	80-120	0.382	20	
Xylene (o)	0.0811	0.00100	"	0.100		81.1	80-120	0.615	20	
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Blank (P3I1505-CCB1)				Prepared & Analyzed: 09/15/23						
Benzene	0.100		ug/l							
Toluene	0.0600		"							
Ethylbenzene	0.0700		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.0700		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *** **										
Calibration Blank (P3I1505-CCB2)				Prepared & Analyzed: 09/15/23						
Benzene	0.0800		ug/l							
Toluene	0.0800		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.0800		"							
Xylene (o)	0.0400		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Check (P3I1505-CCV1)				Prepared & Analyzed: 09/15/23						
Benzene	0.0893	0.00100	mg/L	0.100		89.3	80-120			
Toluene	0.0950	0.00100	"	0.100		95.0	80-120			
Ethylbenzene	0.0989	0.00100	"	0.100		98.9	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Calibration Check (P3I1505-CCV2)				Prepared & Analyzed: 09/15/23						
Benzene	0.0823	0.00100	mg/L	0.100		82.3	80-120			
Toluene	0.0880	0.00100	"	0.100		88.0	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.8	80-120			
Xylene (o)	0.0870	0.00100	"	0.100		87.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Calibration Check (P3I1505-CCV3)				Prepared & Analyzed: 09/15/23						
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			

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

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *** **										
Matrix Spike (P3I1505-MS1)	**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23						
Benzene	0.0725	0.00100	mg/L	0.100	ND	72.5	80-120			QM-05
Toluene	0.0852	0.00100	"	0.100	ND	85.2	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100	ND	97.0	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200	ND	95.1	80-120			
Xylene (o)	0.0861	0.00100	"	0.100	ND	86.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.1*	*80-120*			
Matrix Spike Dup (P3I1505-MSD1)	**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23						
Benzene	0.0690	0.00100	mg/L	0.100	ND	69.0	80-120	4.93	20	QM-05
Toluene	0.0808	0.00100	"	0.100	ND	80.8	80-120	5.33	20	
Ethylbenzene	0.0924	0.00100	"	0.100	ND	92.4	80-120	4.91	20	
Xylene (p/m)	0.183	0.00200	"	0.200	ND	91.4	80-120	4.05	20	
Xylene (o)	0.0813	0.00100	"	0.100	ND	81.3	80-120	5.74	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.3*	*80-120*			

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

Notes and Definitions

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

Report Approved By: Brent Barron Date: 1/11/2024

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST L: _____ CH: _____ W: _____

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

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

Project Name: Moore to Jal #2 (MTJ2)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10273
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only) **ORDER #:** 3I12004

Analyze For: TCLP: / TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
	MW-21A			9/11/23	11:24		3	3		3						GW			X		X
	MW-3A			9/11/23	11:52		3	3		3						GW			X		X
	MW-4A			9/11/23	12:16		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Matthew Gomez	9/11/23	12:25	Erin Carrillo	9-11-23	12:51
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Tessa Bledsoe	Date 9/12/23	Time 10:41

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 2.8 °C Thermometer: NCF 3
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

Page 1 of 1

FedEx

September 12, 2023

Dear Customer,

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

Delivery Information:

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

Shipping Information:

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

Recipient:

MIDLAND, TX, US,

Shipper:

Hobbs, NM, US,

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

Thank you for choosing FedEx

Part # 156148-434 NTW EXP 10/23

41 MAFA

79701
TX-US LBB

TRK# 6424 9945 6139
0201

TUE - 12 SEP 12:00P
PRIORITY OVERNIGHT

FedEx Express

DEPT:

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

TO PERMIAN BASIN ENVIRONMENTAL LAB
PERMIAN BASIN ENVIRONMENTAL LAB
1400 RANKIN HWY

ORIGIN ID:HOBA (575) 392-7550
*
MAIL SERVICES ETC LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

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

BILL SENDER

IMG_3026.jpg

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 350187

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 350187
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for 8" Moore to Jal #2: content satisfactory. 1. Continue to conduct quarterly groundwater monitoring as prescribed. 2. Install additional 13 monitoring wells with work plan portion included in the next annual report. 3. Submit the 2024 annual report to OCD by April 1 2025.	7/29/2024