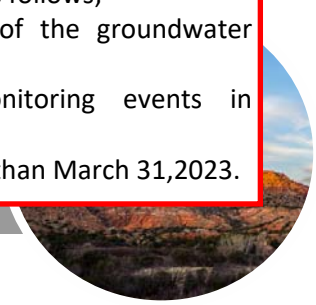
Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT:
Content satisfactory

Contractor recommendations approved and are as follows;
1. Continue operation and maintenance of the groundwater recovery system
2. Perform quarterly groundwater monitoring events in accordance with NMOCD directives
3. Submit annual report to NMOCD no later than March 31,2023.



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TALON LPE

2021 ANNUAL GROUNDWATER MONITORING REPORT
8" MOORE TO JAL #2

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

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

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408 TEXAS AVENUE
ARTESIA, NEW MEXICO 88210

MARCH 8, 2022

2021 ANNUAL GROUNDWATER MONITORING REPORT

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

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MARCH 8, 2022

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

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APPENDICES

1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

The 8" Moore to Jal #2 (site) is located approximately 9.2 miles southeast of Lovington in Unit Letter J, Section 16, Township 17 South and Range 37 East in Lea County, New Mexico, on property owned by the State of New Mexico. The site is located within the West Lovington Oil Field at 32º 49' 56.61" N, 103º 15' 08.47" W. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from an EOTT Energy Pipeline (EOTT) steel pipeline on October 22, 2002. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Marketing, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 25 barrels (bbls) of crude oil were released. Approximately 5,794 square feet of surface area was impacted by the release.

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

1.2 Site Geology

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

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

1.3 Previous Environmental Investigations

Currently, there are a total of 23 groundwater monitor wells existing in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor well MW-1 was installed in July 2004. Subsequently, groundwater monitor wells MW-2, MW-3, and MW-4 were installed in October 2004, monitor wells MW-6 through MW-13 were installed in November 2007, MW-14 through MW-16 were installed in March of 2010 and 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 2004-2020. Table 1, which summarizes historical groundwater and PSH gauging, is provided in Appendix B. There are currently two (2) air sparge bubblers installed to aid in remediation of the contaminant plume.

A transfer system was installed during the year 2011 that is designed to pump recovered groundwater from the site to the Rocky Smith SWD Systems, State 'E' #23 salt water disposal (SWD) (NMOCD # 307219) facility, thereby eliminating the need to haul water to a disposal facility with a vacuum truck. The system is composed of a 3-inch HDPE line that was installed (slip-lined) into the out of service Moore to Jal 8-inch pipeline from the site through the Moore to Jal #1 site to the C.S. Caylor site, where it is connected to the HDPE line that runs from the Caylor site to the afore referenced SWD. A 5-HP transfer pump was used to impel the water down the HDPE line.

1.4 Regulatory Framework

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

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

The subsequent sections of this report provide summaries of the groundwater monitoring activities that were conducted at the subject site during the year 2021 as well as analytical results from each groundwater sampling event. Cumulative analytical results for the four (4) 2021 sampling events are summarized in Table 2 and 3, in Appendix B, and Figures 1, 2a through 2d, and 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C.

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and air sparging activities conducted at the subject site during the year 2021. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and to collect groundwater samples from monitor wells for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase plume and verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of dissolved-phase plume impacting the groundwater, and determining if modifications to the remediation system would improve its overall performance and efficiency.

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

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon during the year 2021. The events occurred in: March, June, September, and December.

During the March 2021 event, groundwater samples were collected from fifteen (15) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, and MW-21A. Five (5) monitor wells (MW-1, MW-2, and MW-14 through MW-16) were dry; therefore, these wells were not purged or sampled. Three (3) monitor wells (MW-7, MW-22, and MW-23) were purged dry without recovery; therefore, these wells were not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2021 event, groundwater samples were collected from seventeen (17) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, MW-21A, MW-22, and MW-23. Five (5) monitor wells (MW-1, MW-2, and MW-14 through MW-16) were dry; therefore, these wells were not purged or sampled. One (1) well (MW-7) was purged dry without recovery; therefore, this well was not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2021 event, groundwater samples were collected from twelve (12) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, MW-21A, MW-22, and MW-23. Six (6) monitor wells (MW-1, MW-2, MW-7 and MW-14 through MW-16) were dry; therefore, these wells were not purged or sampled. Five (5) wells (MW-8, MW-9, MW-12, MW-13 and MW-18) were purged dry without recovery; therefore, these wells were not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2021 event, groundwater samples were collected from ten (10) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, and MW-21A. Nine (9) monitor wells (MW-1, MW-2, MW-7, MW-9, MW-13 through MW-16,

and MW-19) were dry; therefore, these wells were not purged or sampled. Four (4) monitor wells (MW-8, MW-12, MW-13, and MW-22) had insufficient water to sample; therefore, these wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and PSH thicknesses, if present. The data collected from measurements were used to construct groundwater gradient maps and PSH thickness maps. Table 1 – Summary of Historical Fluid Level Measurements contains all depth to fluid data collected during 2021.

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, all retained water was deposited into the on-site tank and later removed via the site transfer system to the SWD.

Groundwater samples were collected from all monitor wells not impacted with PSH using dedicated disposable polyethylene bailers. Groundwater samples were not collected from wells impacted with PSH. All samples were contained in appropriately preserved laboratory supplied sample vials required for the requested analysis. The samples were maintained on ice, in the custody of Talon personnel, until delivery to Xenco Laboratories in Carlsbad, New Mexico for analysis. The groundwater samples collected during 2021 were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B. The groundwater sample collected from MW-21A during the March 2021 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 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) skimmers 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. The tank is equipped with a high level shut off switch to prevent overflow and it is located within a secondary containment compound that is outfitted with a poly-liner. Recovered PSH was periodically removed from the recovery tank with a vacuum truck. Recovered groundwater was transported to an approved NMOCD disposal facility via the

water transfer system, and removed PSH was re-introduced to the Plains pipeline system at the Plains-operated Lea Station.

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 ongoing at the site.

At present, two (2) air sparge bubblers have be installed in MW-6 and MW-9.

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

3.0 GROUNDWATER MONITORING RESULTS

The results of the laboratory analysis are summarized in Table 2 – Summary of Historical Groundwater Analytical Data in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C. The sections that follow present the results from the four (4) groundwater monitoring events conducted at the subject site.

3.1 Physical Characteristics of the First Water-Bearing Zone

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally mimics the topography with the regional flow direction being from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven (7) inches per day. The regional hydraulic conductivity averages 17 gallons per day per square foot and specific yield averages 16%.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but averages from zero (0) to 1.6 inches per year.

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

3.2 Groundwater Gradient and Flow Direction

Depth to fluid measurements were collected during each of the four (4) groundwater monitoring events during the year 2021. The results of the fluid level measurements are summarized in Table 1 - Summary of Historical Fluid Level Measurements in Appendix B.

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

The potentiometric surface map for March 10, 2021 is constructed using water level elevations from all wells, except MW-31, MW-5, and MW-21A. The water level elevations

exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0034 feet/foot.

The potentiometric surface map for June 15, 2021 is constructed using water level elevations from all wells, except MW-5 and MW-21A. The water level elevations exhibit a general groundwater direction of flow to the south-southeast with an approximate gradient of 0.0033 feet/foot.

The potentiometric surface map for September 8, 2021 is constructed using water level elevations from all wells, except MW-21A. The water level elevations exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0033 feet/foot.

The potentiometric surface map for December 1, 2021 is constructed using water level elevations from all wells. The water level elevations exhibit a general groundwater direction of flow to the southeast with an approximate gradient of 0.0033 feet/foot.

Groundwater elevations at the subject site declined approximately 1.84 feet for the year, which is consistent with the regional declining trend of groundwater levels in the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbon

An oil/water interface probe was used to determine the thicknesses of PSH during the four (4) groundwater monitoring events. This will be denoted in Table 1 - Summary of Historical Fluid Level Measurements in Appendix B. The following summarizes the status of the PSH thicknesses observed during the four (4) groundwater monitoring events:

- In March 2021, PSH was not observed in any monitor wells.
- In June 2021, PSH was not observed in any monitor wells.
- In September 2021, PSH was not observed in any monitor wells.
- In December 2021, PSH was not observed in any monitor wells.

In addition to potentiometric surface maps, isopleth maps were prepared depicting the measured PSH thicknesses and PSH plume geometry. PSH plume delineation and thickness maps are presented in Appendix A as Figures 3a through 3d. PSH was not detected in any monitor wells during the four (4) groundwater monitoring events.

PSH recovery operations have been performed at the site since 2004. Currently, there are zero (0) total fluid pumps in operation at the site. In 2021, active fluid recovery operations were terminated and two (2) air sparge bubblers were installed in MW-6 and MW-9. A summary of the historical groundwater and PSH gauging results is provided in Table 1 in Appendix B.

3.4 Groundwater Analytical Results

During the March 2021 event, groundwater samples were collected from fifteen (15) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, and MW-21A.

Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory method detection limit (MDL) in wells MW-3A, MW-4A, MW-8 through MW-13, MW-17 through MW-20, and MW-21A to 0.151 mg/L in MW-6. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L only in the groundwater sample collected from monitor well MW-6.
- Toluene concentrations ranged from less than the laboratory MDL in wells MW-3A, MW-4A, MW-6, MW-8 through MW-13, MW-17 through MW-20, and MW-21A to 0.000742 mg/L in MW-5. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Ethylbenzene concentrations were less than the laboratory MDL in wells MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, and MW-21A. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Xylene concentrations ranged from less than the laboratory MDL in wells MW-3A, MW-4A, MW-5 MW-8 through MW-13, MW-17 through MW-20, and MW-21A to 0.0168 mg/L in MW-6. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in groundwater samples collected from any monitor wells during the quarter.
- The naphthalene concentration in MW-21A was less than the laboratory MDL. The naphthalene concentration did not exceed the NMWQCC groundwater standard of 0.030 mg/L in the groundwater sample collected during the quarter.
- The benzo(a)pyrene concentration was less than the laboratory MDL in MW-21A. The benzo(a)pyrene concentration did not exceed the NMWQCC groundwater standard of 0.0007 mg/L in the groundwater sample collected during the quarter.

During the June 2021 event, groundwater samples were collected from seventeen (17) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, MW-21A, MW-22, and MW-23.

Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than the laboratory MDL in wells MW-3A, MW-6, MW-8, MW-10 through MW-13, MW-17 through MW-20, MW-21A, MW-22, and MW-23 to 0.00229 mg/L in MW-9. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from any monitor wells during the quarter.

- Toluene concentrations ranged from 0.000680 mg/L in MW-12 to 0.00587 mg/L in MW-9. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells (MW-3A, MW-4A, MW-5, MW-6, MW-8 through MW-13, MW-17 through MW-20, MW-21A, MW-22, and MW-23). Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Xylene concentrations ranged from less than the laboratory MDL in wells MW-3A, MW-6, MW-8, MW-10 through MW-13, MW-17 through MW-19, MW-21A, MW-22, and MW-23 to 0.00590 mg/L in MW-5. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in groundwater samples collected from any monitor wells during the quarter.

During the September 2021 event, groundwater samples were collected from twelve (12) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, MW-21A, MW-22, and MW-23.

Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations were less than the laboratory MDL in all wells (MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, MW-21A, MW-22, and MW-23). Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.01 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Toluene concentrations were less than the laboratory MDL in all wells (MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, MW-21A, MW-22, and MW-23). Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Ethylbenzene concentrations ranged from less than the laboratory MDL in wells MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, and MW-20 to 0.000967 mg/L in MW-22. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from any monitor wells during the quarter.
- Xylene concentrations were less than the laboratory MDL in all wells (MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, MW-21A, MW-22, and MW-23). Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in groundwater samples collected from any monitor wells during the quarter.

During the December 2021 event, groundwater samples were collected from ten (10) monitor wells: MW-3A, MW-4A, MW-5, MW-6, MW-10, MW-11, MW-17, MW-18, MW-20, and MW-21A.

Laboratory analytical results of the groundwater samples collected exhibited the following findings:

- Benzene concentrations were less than the laboratory MDL in all wells except MW-5 and MW-6, which had concentrations of 0.00126 mg/L and 0.00713 mg/L, respectively. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells sampled during the quarter.
- Toluene concentrations were less than the laboratory MDL in all wells except MW-5 and MW-6, which had concentrations of 0.00239 mg/L and 0.00356 mg/L, respectively. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells except MW-6, which had a concentration of 0.000959 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled during the quarter.
- Xylene concentrations were less than the laboratory MDL in all wells except MW-5 and MW-6, which had concentrations of 0.00193 mg/L and 0.00329 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells.

The results of the BTEX analysis are summarized in Table 2 – Summary of Historical Groundwater Analytical Results – BTEX, and results of the PAH analyses are summarized in Table 3 – Summary of Historical Groundwater Analytical Results – PAH Supplement in Appendix B. Laboratory analytical data reports and chain of custody documentation for all samples are provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four (4) groundwater monitoring events conducted at the 8" Moore to Jal #2 site in 2021 and provides recommendations for future corrective actions.

4.1 Summary of Findings

- The groundwater flow direction is to the south-southeast at an average gradient of 0.0033 feet per foot.
- During 2021, only monitor well MW-6 exhibited benzene concentration in excess of NMWQCC groundwater standards during the March sampling event. No other contaminates of concern were identified above groundwater standards in 2021. The BTEX plume is well defined.
- NMOCD has approved termination of all PAH sampling events from wells MW-3A, MW-4A, MW-7, MW-8, MW-9, MW-18, MW-22 and MW-23.
- NMOCD has also approved semi-annual only sampling of monitor wells MW-11, MW-17, MW-18, MW-19 and MW-20.

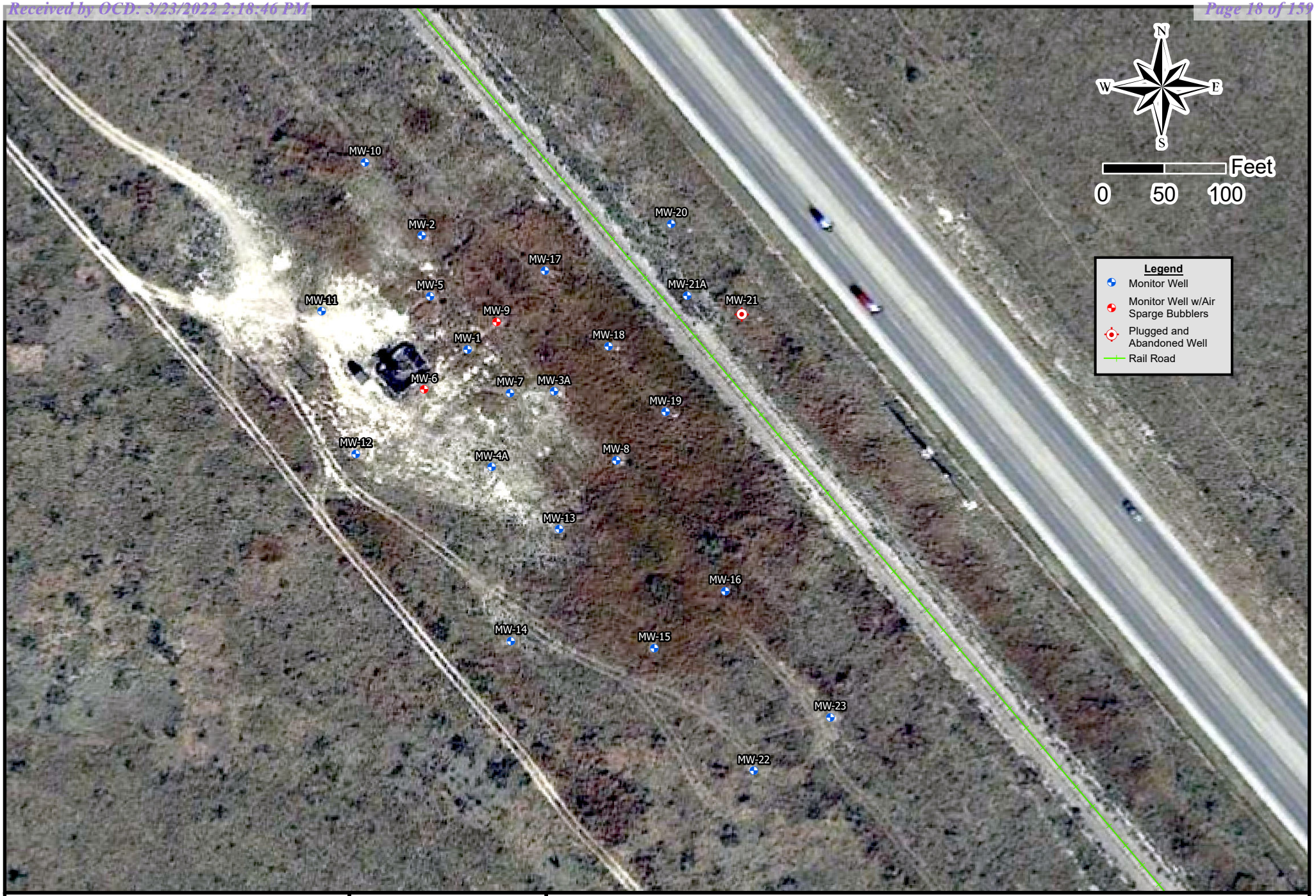
4.2 Recommendations

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

- Continue operation and maintenance of the groundwater recovery system.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

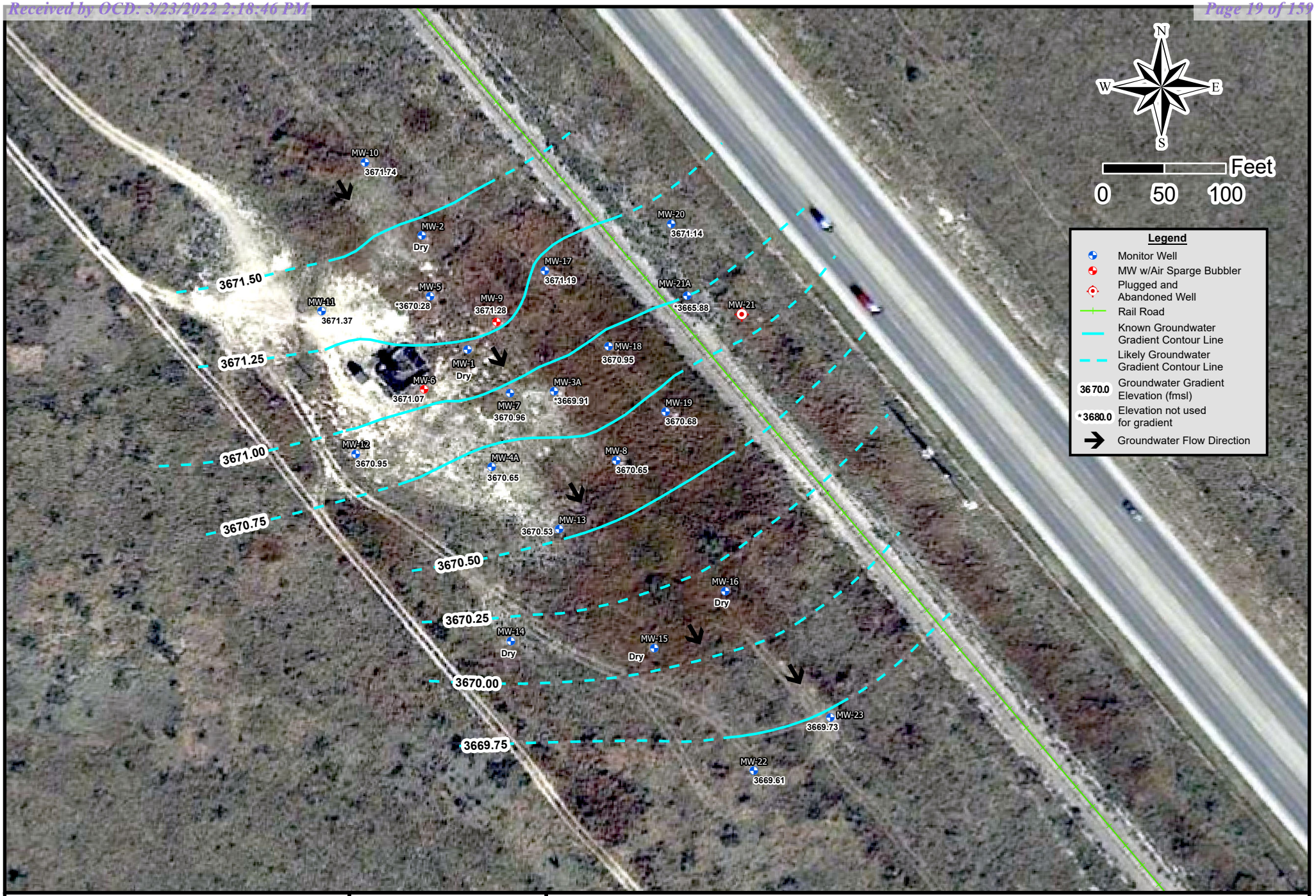
Figures



TALON LPE

Date: 5/21/2021
1 in = 100 ft
Drafted By: NRC

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

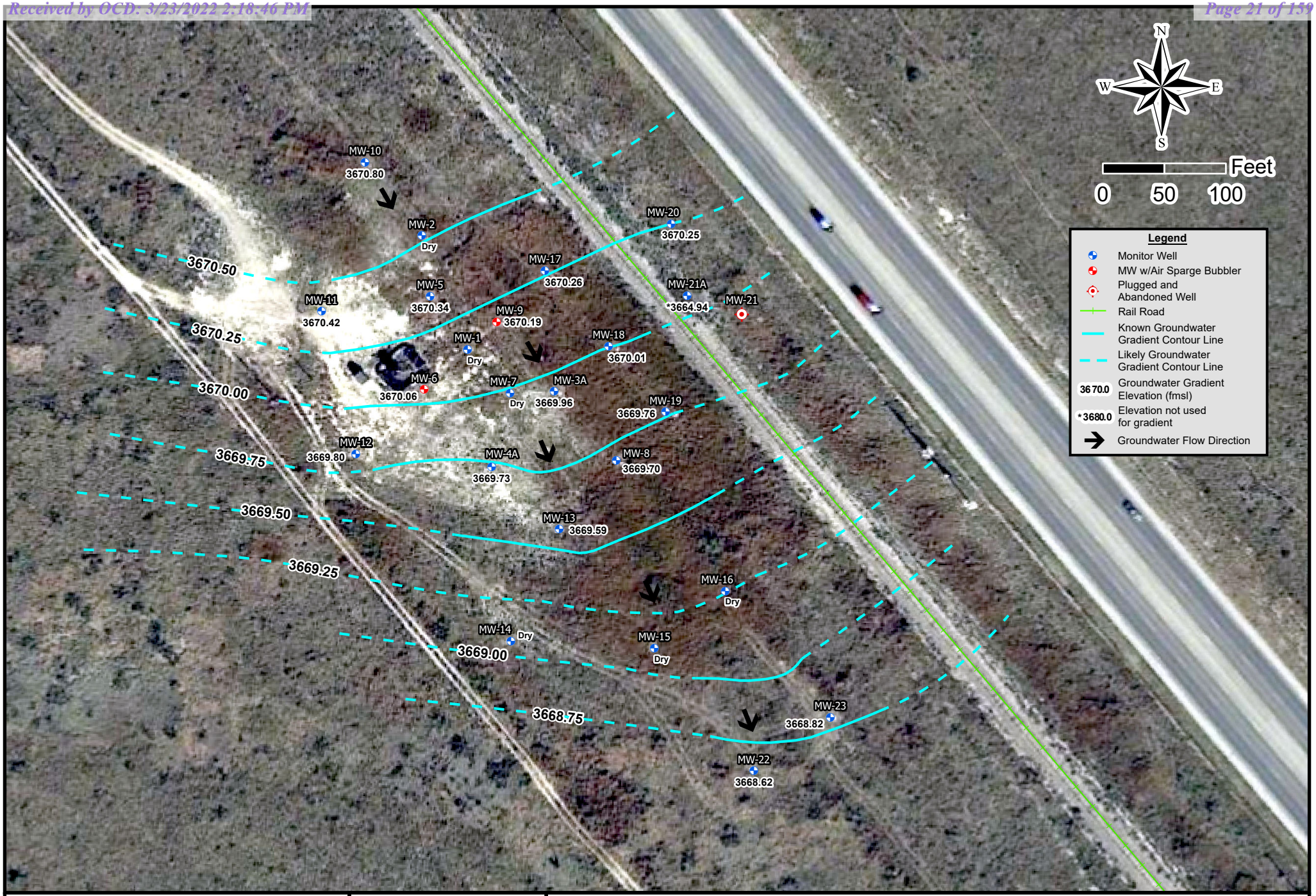


TALON LPE	Date: 2/4/2022 1 in = 100 ft Drafted By: JAI	8" Moore to Jal #2 SRS # 2002-10273, NMOCD REF. #nAPP2109527131 NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico 32.832391, -103.252477 Figure 2a - Groundwater Gradient Map (03/10/2021)

TALON LPE

Date: 2/4/2022
1 in = 100 ft
Drafted By: JAI

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2b - Groundwater Gradient Map (06/15/2021)

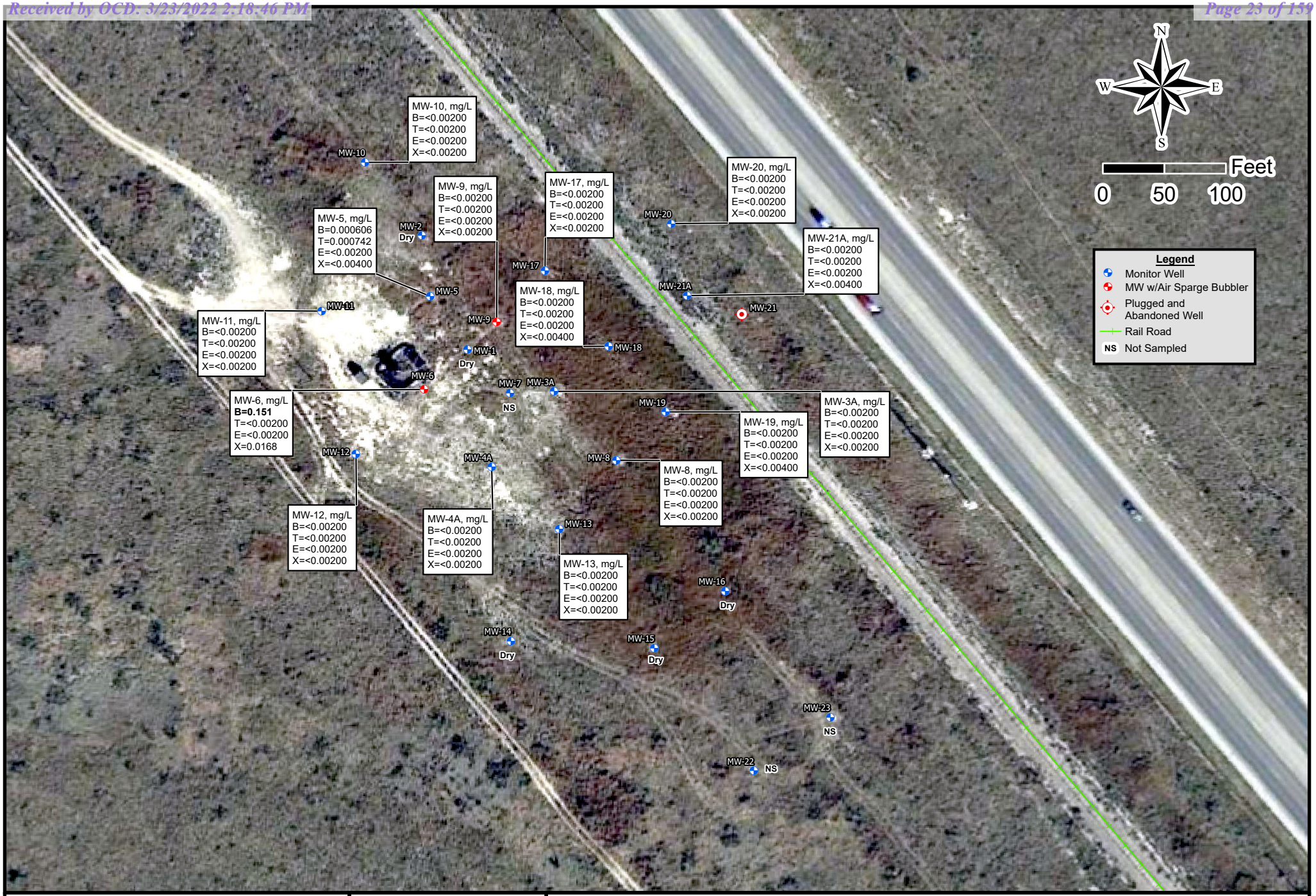


TALON LPE	Date: 2/4/2022 1 in = 100 ft Drafted By: JAI	8" Moore to Jal #2 SRS # 2002-10273, NMOCD REF. #nAPP2109527131 NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico 32.832391, -103.252477 Figure 2c - Groundwater Gradient Map (09/08/2021)

TALON LPE

Date: 2/4/2022
1 in = 100 ft
Drafted By: JAI

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 2d - Groundwater Gradient Map (12/01/2021)



TALON LPE

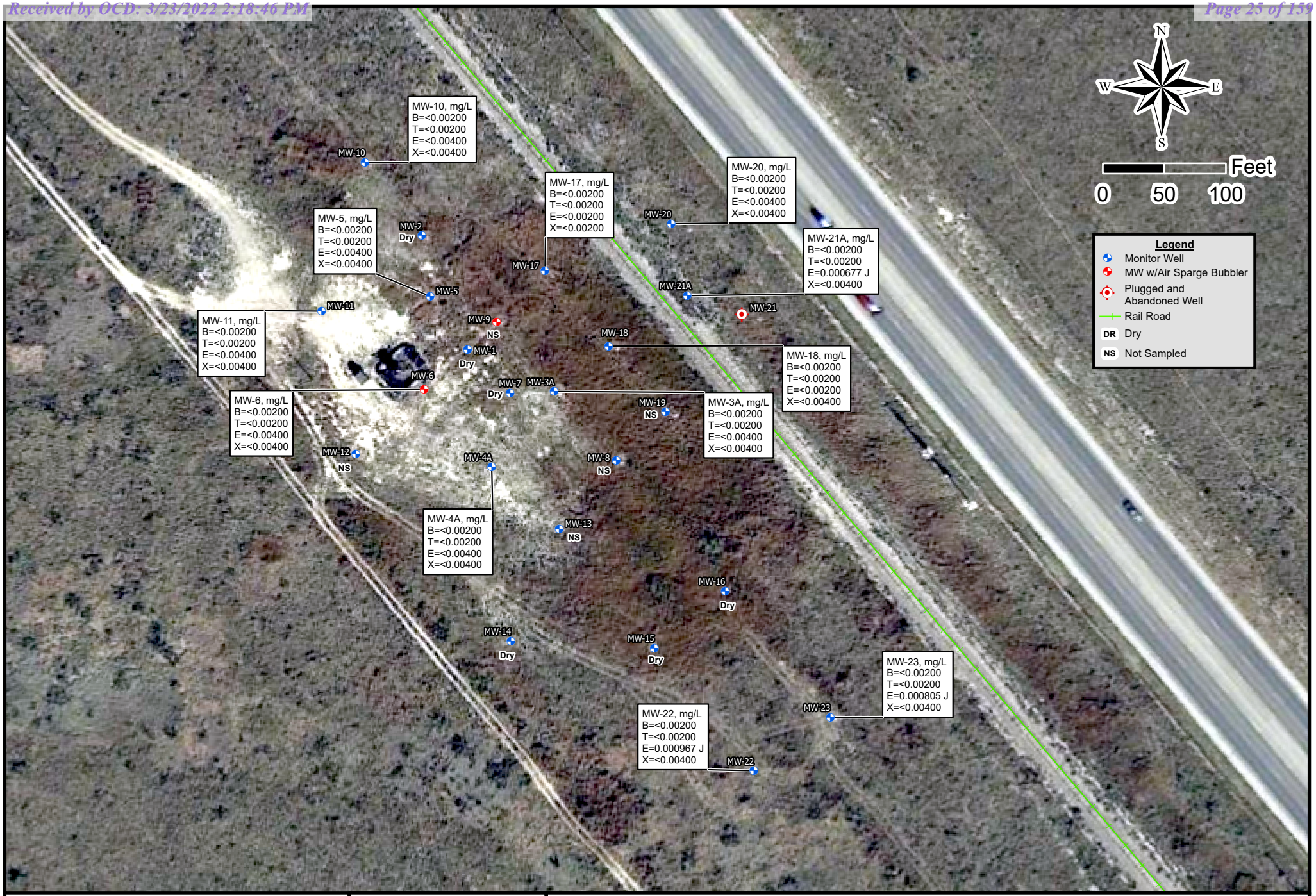
Date: 2/4/2022
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3a - Groundwater Concentration Map - (03/10-11 & 29/2021)

TALON LPE

Date: 2/4/2022
1 in = 100 ft
Drafted By: IJR

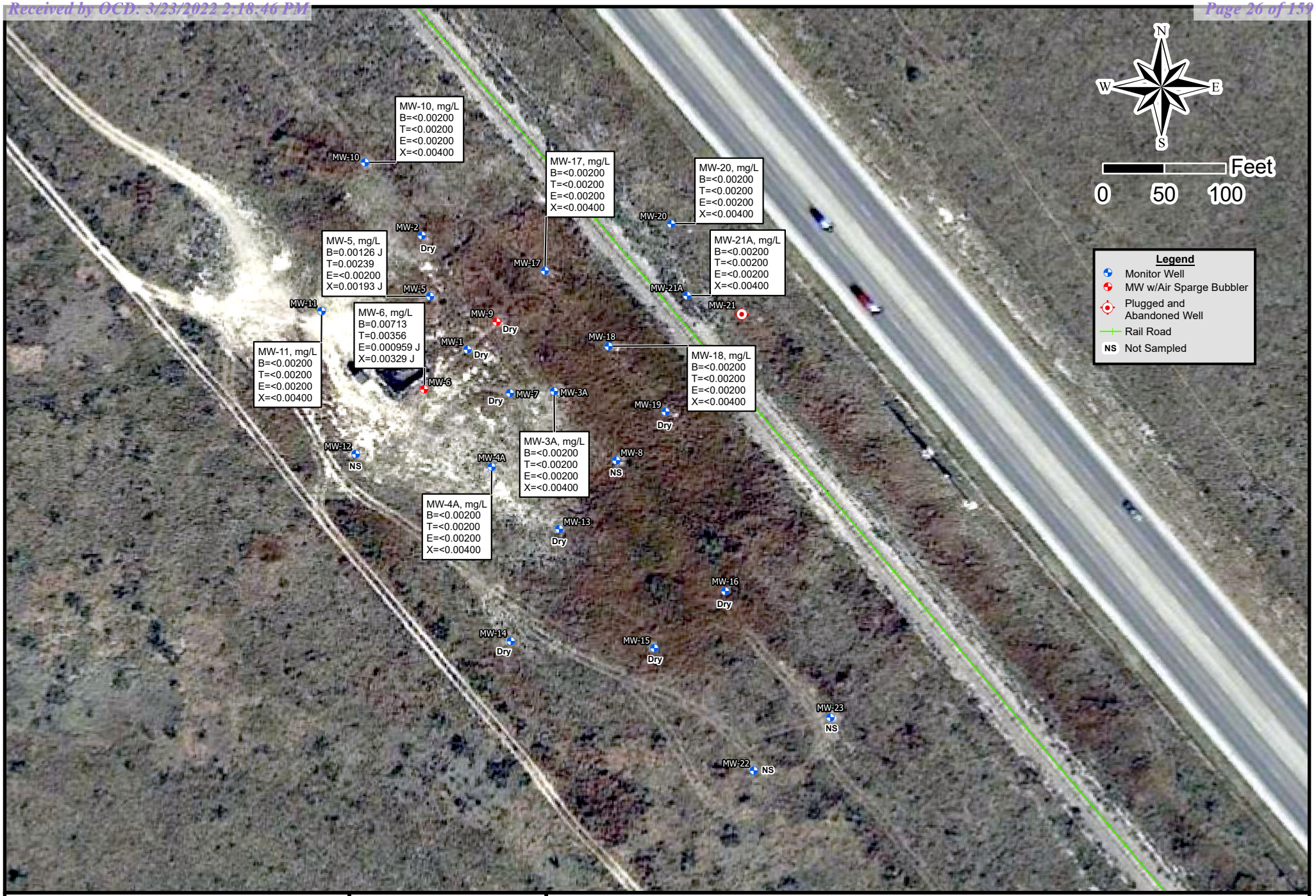
8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3b - Groundwater Concentration Map - (06/15-16/2021)



TALON LPE

Date: 1/21/2022
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3c - Groundwater Concentration Map - (09/08-09/2021)



TALON LPE

Date: 2/4/2022
1 in = 100 ft
Drafted By: IJR

8" Moore to Jal #2
SRS # 2002-10273, NMOCD REF. #nAPP2109527131
NW 1/4 of the SE 1/4, Sec. 16, T17S, R37E, Lea County, New Mexico
32.832391, -103.252477
Figure 3d - Groundwater Concentration Map - (12/02/2021)

APPENDIX B

Tables

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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	-	-	-
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	-	-	-
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

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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-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
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
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

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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	-	-	-
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	-	-	3671.6
				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	-	-	3669.7
				12/01/2021	104.52	-	-	3669.28
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	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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-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
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
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	-	-	3669.8
				12/01/2021	104.26	-	-	3669.54

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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	-	-	-
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	-	-	-
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	-	-	-

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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-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	-	-	-
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
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

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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	-	-	-
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
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	-	-	3666.4
				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

Table 1 - Groundwater and NAPL Thickness - Historical
Moore to Jal #2
Lovington/Hobbs, 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-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	-	-	3669.1
				09/08/2021	104.30	-	-	3668.62
				12/01/2021	104.66	-	-	3668.26
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

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

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
NMOCD - Groundwater		0.01	0.75	0.75	0.62	-	-	-
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	-	-
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	-	-
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	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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	-	-
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	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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	-	-
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	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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	-	-
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

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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	-	-
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	-	-
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	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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	-	-
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	-	-
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	-	-
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	-	-

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal #2
Lovington/Hobbs, 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
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:
Lab Flags noted next to vales. See lab report for description.

Analyte concentration exceeds the standard for:
NMOCD - Groundwater

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

Sample ID	Date Sampled	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Dibenzofuran (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno (1,2,3-c,d) pyrene (mg/l)	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)
NMOCD - Groundwater		-	-	-	-	0.0007	-	-	-	-	-	-	-	-	-	0.03	-	-
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-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-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-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
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:
NMOCD - Groundwater

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-334-1
Laboratory Sample Delivery Group: 700376.045.04
Client Project/Site: Moore to Jal #2 (MTJ2)
Revision: 3

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

Attn: David Adkins

JKramer

Authorized for release by:
12/10/2021 9:55:14 AM

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

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

Laboratory Job ID: 890-334-1
SDG: 700376.045.04

Table of Contents

Definitions/Glossary

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

Job ID: 890-334-1
SDG: 700376.045.04

Qualifiers

GC VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Subcontract

Qualifier	Qualifier Description
U	Analyte was 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: 890-334-1
SDG: 700376.045.04

Job ID: 890-334-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-334-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/23/2021. The report (revision 3) is being revised due to: Removed unneeded narrative regarding bulk jars.

Report revision history
Revision 1 - 3/29/2021 - Reason - Per Cleint email, correcting project name.

Revision 2 - 4/28/2021 - Reason - Per Cleint email, correcting project name.

Receipt
The samples were received on 3/12/2021 1:46 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 was 0.4º C.

Receipt Exceptions

Per client email, requesting Talon EDD

Per Cleint email, correcting project name

Removed unneeded narrative regarding bulk jars

Subcontract non-Sister
See attached subcontract report.

Narrative

Job Narrative
890-334-2

Comments
No additional comments.

Receipt
The samples were received on 3/12/2021 1:46 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 was 0.4º C.

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

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

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-11

Date Collected: 03/11/21 09:20
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-1

Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/16/21 12:00	03/19/21 03:35	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1
Toluene	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/16/21 12:00	03/19/21 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*119*		*70 - 130*	*03/16/21 12:00*	*03/19/21 03:35*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*	*03/16/21 12:00*	*03/19/21 03:35*	*1*

Client Sample ID: MW-3A

Date Collected: 03/11/21 10:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-2

Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*100*		*70 - 130*	*03/17/21 13:00*	*03/18/21 21:42*	*1*
4-Bromofluorobenzene	*104*		*70 - 130*	*03/17/21 13:00*	*03/18/21 21:42*	*1*

Client Sample ID: MW-20

Date Collected: 03/10/21 10:15
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-3

Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 22:02	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*104*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:02*	*1*
4-Bromofluorobenzene	*108*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:02*	*1*

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-8

Date Collected: 03/11/21 11:20
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-4
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*99*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:23*	*1*
4-Bromofluorobenzene	*105*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:23*	*1*

Client Sample ID: MW-13

Date Collected: 03/11/21 12:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-5
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 22:43	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*100*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:43*	*1*
4-Bromofluorobenzene	*103*		*70 - 130*	*03/17/21 13:00*	*03/18/21 22:43*	*1*

Client Sample ID: MW-4A

Date Collected: 03/11/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-6
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 23:04	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*103*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:04*	*1*
4-Bromofluorobenzene	*111*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:04*	*1*

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-10

Date Collected: 03/10/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-7
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/18/21 23:24	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*99*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:24*	*1*
4-Bromofluorobenzene	*109*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:24*	*1*

Client Sample ID: MW-6

Date Collected: 03/11/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-8
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.151**		0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1
m,p-Xylenes	**0.00549**		0.00400		mg/L		03/17/21 13:00	03/18/21 23:45	1
o-Xylene	**0.0113**		0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1
Total BTEX	**0.168**		0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1
Total Xylenes	**0.0168**		0.00200		mg/L		03/17/21 13:00	03/18/21 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*97*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:45*	*1*
4-Bromofluorobenzene	*96*		*70 - 130*	*03/17/21 13:00*	*03/18/21 23:45*	*1*

Client Sample ID: MW-12

Date Collected: 03/11/21 13:30
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-9
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/19/21 00:05	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*97*		*70 - 130*	*03/17/21 13:00*	*03/19/21 00:05*	*1*
4-Bromofluorobenzene	*110*		*70 - 130*	*03/17/21 13:00*	*03/19/21 00:05*	*1*

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-9
Date Collected: 03/10/21 14:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-10
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/17/21 13:00	03/19/21 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1
Toluene	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/17/21 13:00	03/19/21 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*96*		*70 - 130*	*03/17/21 13:00*	*03/19/21 00:26*	*1*
4-Bromofluorobenzene	*101*		*70 - 130*	*03/17/21 13:00*	*03/19/21 00:26*	*1*

Client Sample ID: MW-17
Date Collected: 03/10/21 15:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-11
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*101*		*70 - 130*	*03/21/21 10:00*	*03/21/21 21:41*	*1*
4-Bromofluorobenzene	*109*		*70 - 130*	*03/21/21 10:00*	*03/21/21 21:41*	*1*

Client Sample ID: MW-18
Date Collected: 03/10/21 16:30
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-12
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U H	0.00200	0.000408	mg/L			04/23/21 16:20	1
Toluene	<0.00200	U H	0.00200	0.000367	mg/L			04/23/21 16:20	1
Ethylbenzene	<0.00200	U H	0.00200	0.000657	mg/L			04/23/21 16:20	1
m-Xylene & p-Xylene	<0.00400	U H	0.00400	0.000629	mg/L			04/23/21 16:20	1
o-Xylene	<0.00200	U H	0.00200	0.000642	mg/L			04/23/21 16:20	1
Xylenes, Total	<0.00400	U H	0.00400	0.000642	mg/L			04/23/21 16:20	1
Total BTEX	<0.00400	U H	0.00400	0.000657	mg/L			04/23/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/23/21 16:20*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*04/23/21 16:20*	*1*

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-5

Date Collected: 03/10/21 18:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-13
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000606**	**J H**	0.00200	0.000408	mg/L			04/23/21 16:41	1
Toluene	**0.000742**	**J H**	0.00200	0.000367	mg/L			04/23/21 16:41	1
Ethylbenzene	<0.00200	U H	0.00200	0.000657	mg/L			04/23/21 16:41	1
m-Xylene & p-Xylene	<0.00400	U H	0.00400	0.000629	mg/L			04/23/21 16:41	1
o-Xylene	<0.00200	U H	0.00200	0.000642	mg/L			04/23/21 16:41	1
Xylenes, Total	<0.00400	U H	0.00400	0.000642	mg/L			04/23/21 16:41	1
Total BTEX	**0.00135**	**J H**	0.00400	0.000657	mg/L			04/23/21 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*04/23/21 16:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*04/23/21 16:41*	*1*

Client Sample ID: MW-21A

Date Collected: 03/10/21 12:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-14
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U H	0.00200	0.000408	mg/L			04/23/21 16:00	1
Toluene	<0.00200	U H	0.00200	0.000367	mg/L			04/23/21 16:00	1
Ethylbenzene	<0.00200	U H	0.00200	0.000657	mg/L			04/23/21 16:00	1
m-Xylene & p-Xylene	<0.00400	U H	0.00400	0.000629	mg/L			04/23/21 16:00	1
o-Xylene	<0.00200	U H	0.00200	0.000642	mg/L			04/23/21 16:00	1
Xylenes, Total	<0.00400	U H	0.00400	0.000642	mg/L			04/23/21 16:00	1
Total BTEX	<0.00400	U H	0.00400	0.000657	mg/L			04/23/21 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*04/23/21 16:00*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*04/23/21 16:00*	*1*

Method: PAH by 8270D-SIM - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.5	U	1.5	0.000105	mg/L		03/15/21 17:27	03/15/21 21:38	1
Acenaphthylene	<1.5	U	1.5	0.0000882	mg/L		03/15/21 17:27	03/15/21 21:38	1
Anthracene	<7.3	U	7.3	0.0000907	mg/L		03/15/21 17:27	03/15/21 21:38	1
Benzo(a)anthracene	<.0091	U	.0091	0.000141	mg/L		03/15/21 17:27	03/15/21 21:38	1
Benzo(a)pyrene	<.0002	U	.0002	0.0000598	mg/L		03/15/21 17:27	03/15/21 21:38	1
Benzo(b)fluoranthene	<.0091	U	.0091	0.0000744	mg/L		03/15/21 17:27	03/15/21 21:38	1
Benzo(g,h,i)perylene	<.73	U	.73	0.000119	mg/L		03/15/21 17:27	03/15/21 21:38	1
Benzo(k)fluoranthene	<.091	U	.091	0.000122	mg/L		03/15/21 17:27	03/15/21 21:38	1
Chrysene	<.91	U	.91	0.000163	mg/L		03/15/21 17:27	03/15/21 21:38	1
Dibenz(a,h)anthracene	<.0002	U	.0002	0.0000796	mg/L		03/15/21 17:27	03/15/21 21:38	1
Fluoranthene	<.98	U	.98	0.000165	mg/L		03/15/21 17:27	03/15/21 21:38	1
Fluorene	<.98	U	.98	0.000106	mg/L		03/15/21 17:27	03/15/21 21:38	1
Indeno(1,2,3-c,d)Pyrene	<.0091	U	.0091	0.0000956	mg/L		03/15/21 17:27	03/15/21 21:38	1
Naphthalene	<.49	U	.49	0.000102	mg/L		03/15/21 17:27	03/15/21 21:38	1
Phenanthrene	<.73	U	.73	0.0000891	mg/L		03/15/21 17:27	03/15/21 21:38	1
Pyrene	<.73	U	.73	0.000136	mg/L		03/15/21 17:27	03/15/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*99*		*43 - 130*	*03/15/21 17:27*	*03/15/21 21:38*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-21A

Date Collected: 03/10/21 12:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-14

Matrix: Water

Method: PAH by 8270D-SIM - General Subcontract Method (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	77		36 - 130	03/15/21 17:27	03/15/21 21:38	1
Terphenyl-D14	97		35 - 121	03/15/21 17:27	03/15/21 21:38	1

Surrogate Summary

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-1501-G-1 MS	Matrix Spike	98	103
880-1501-G-1 MSD	Matrix Spike Duplicate	100	105
890-334-12	MW-18	108	107
890-334-13	MW-5	95	99
890-334-14	MW-21A	106	108
LCS 880-2193/3	Lab Control Sample	98	107
LCSD 880-2193/4	Lab Control Sample Dup	99	105
MB 880-2193/8	Method Blank	99	103

Surrogate Legend

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

Method: BTEX 8021B - General Subcontract Method

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB	DFBZ
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-334-1	MW-11	106	119
890-334-2	MW-3A	104	100
890-334-3	MW-20	108	104
890-334-4	MW-8	105	99
890-334-5	MW-13	103	100
890-334-6	MW-4A	111	103
890-334-7	MW-10	109	99
890-334-8	MW-6	96	97
890-334-9	MW-12	110	97
890-334-10	MW-9	101	96
890-334-11	MW-17	109	101

Surrogate Legend

BFB = 4-Bromofluorobenzene
DFBZ = 1,4-Difluorobenzene

Method: PAH by 8270D-SIM - General Subcontract Method

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	obenzene	TPHd14
Lab Sample ID	Client Sample ID	(43-130)	(36-130)	(35-121)
890-334-14	MW-21A	99	77	97

Surrogate Legend

FBP = 2-Fluorobiphenyl
Nitrobenzene-d5 = Nitrobenzene-d5
TPHd14 = Terphenyl-D14

QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2193/8
Matrix: Water
Analysis Batch: 2193

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/23/21 14:30	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/23/21 14:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/23/21 14:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/23/21 14:30	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/23/21 14:30	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			04/23/21 14:30	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			04/23/21 14:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/23/21 14:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*04/23/21 14:30*	*1*

Lab Sample ID: LCS 880-2193/3
Matrix: Water
Analysis Batch: 2193

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	0.09238		mg/L		92	70 - 130		
Toluene			0.100	0.09786		mg/L		98	70 - 130		
Ethylbenzene			0.100	0.1030		mg/L		103	70 - 130		
m-Xylene & p-Xylene			0.200	0.2087		mg/L		104	70 - 130		
o-Xylene			0.100	0.1023		mg/L		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-2193/4
Matrix: Water
Analysis Batch: 2193

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	0.09685		mg/L		97	70 - 130	5	20
Toluene			0.100	0.1004		mg/L		100	70 - 130	3	20
Ethylbenzene			0.100	0.1055		mg/L		105	70 - 130	2	20
m-Xylene & p-Xylene			0.200	0.2147		mg/L		107	70 - 130	3	20
o-Xylene			0.100	0.1044		mg/L		104	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-1501-G-1 MS
Matrix: Water
Analysis Batch: 2193

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.09482		mg/L		95	70 - 130		

QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

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

Lab Sample ID: 880-1501-G-1 MS
Matrix: Water
Analysis Batch: 2193

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.100	0.09779		mg/L		98	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1027		mg/L		103	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2095		mg/L		105	70 - 130
o-Xylene	<0.00200	U	0.100	0.1020		mg/L		102	70 - 130

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

Lab Sample ID: 880-1501-G-1 MSD
Matrix: Water
Analysis Batch: 2193

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09824		mg/L		98	70 - 130	4	25
Toluene	<0.00200	U	0.100	0.1024		mg/L		102	70 - 130	5	25
Ethylbenzene	<0.00200	U	0.100	0.1074		mg/L		107	70 - 130	4	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2193		mg/L		110	70 - 130	5	25
o-Xylene	<0.00200	U	0.100	0.1057		mg/L		106	70 - 130	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Method: BTEX 8021B - General Subcontract Method

Lab Sample ID: 7723680-1-BLK
Matrix: WATER
Analysis Batch: 3154182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3154182_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/L		03/17/21 13:00	03/18/21 21:20	1
Ethylbenzene	<.002	U	.002		mg/L		03/17/21 13:00	03/18/21 21:20	1
m,p-Xylenes	<.004	U	.004		mg/L		03/17/21 13:00	03/18/21 21:20	1
o-Xylene	<.002	U	.002		mg/L		03/17/21 13:00	03/18/21 21:20	1
Toluene	<.002	U	.002		mg/L		03/17/21 13:00	03/18/21 21:20	1

Lab Sample ID: 7723680-1-BKS
Matrix: WATER
Analysis Batch: 3154182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3154182_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	.1	0.0810		mg/L		81	70 - 125
Ethylbenzene	.1	0.0950		mg/L		95	71 - 129
m,p-Xylenes	.2	0.190		mg/L		95	70 - 131
o-Xylene	.1	0.0955		mg/L		96	71 - 133
Toluene	.1	0.0883		mg/L		88	70 - 125

QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: BTEX 8021B - General Subcontract Method (Continued)

Lab Sample ID: 7723680-1-BSD
Matrix: WATER
Analysis Batch: 3154182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3154182_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			.1	0.0758		mg/L		76	70 - 125	7	25
Ethylbenzene			.1	0.0939		mg/L		94	71 - 129	1	25
m,p-Xylenes			.2	0.188		mg/L		94	70 - 131	1	25
o-Xylene			.1	0.0949		mg/L		95	71 - 133	1	25
Toluene			.1	0.0884		mg/L		88	70 - 125	0	25

Lab Sample ID: 691758-002 S
Matrix: WATER
Analysis Batch: 3154182

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3154182_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<.002		.1	0.0829		mg/L		83	70 - 125
Ethylbenzene	<.002		.1	0.100		mg/L		100	71 - 129
m,p-Xylenes	<.004		.2	0.201		mg/L		101	70 - 131
o-Xylene	<.002		.1	0.102		mg/L		102	71 - 133
Toluene	<.002		.1	0.0953		mg/L		95	70 - 125

Lab Sample ID: 691758-002 SD
Matrix: WATER
Analysis Batch: 3154182

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3154182_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<.002		.1	0.0809		mg/L		81	70 - 125	2	25
Ethylbenzene	<.002		.1	0.0980		mg/L		98	71 - 129	2	25
m,p-Xylenes	<.004		.2	0.197		mg/L		99	70 - 131	2	25
o-Xylene	<.002		.1	0.0975		mg/L		98	71 - 133	5	25
Toluene	<.002		.1	0.0911		mg/L		91	70 - 125	5	25

Lab Sample ID: 7723688-1-BLK
Matrix: WATER
Analysis Batch: 3154191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3154191_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/L		03/16/21 12:00	03/19/21 00:34	1
Ethylbenzene	<.002	U	.002		mg/L		03/16/21 12:00	03/19/21 00:34	1
m,p-Xylenes	<.004	U	.004		mg/L		03/16/21 12:00	03/19/21 00:34	1
o-Xylene	<.002	U	.002		mg/L		03/16/21 12:00	03/19/21 00:34	1
Toluene	<.002	U	.002		mg/L		03/16/21 12:00	03/19/21 00:34	1

Lab Sample ID: 7723688-1-BKS
Matrix: WATER
Analysis Batch: 3154191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3154191_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			.1	0.108		mg/L		108	70 - 125
Ethylbenzene			.1	0.103		mg/L		103	71 - 129
m,p-Xylenes			.2	0.213		mg/L		107	70 - 131
o-Xylene			.1	0.103		mg/L		103	71 - 133
Toluene			.1	0.103		mg/L		103	70 - 125

QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: BTEX 8021B - General Subcontract Method (Continued)

Lab Sample ID: 7723688-1-BSD
Matrix: WATER
Analysis Batch: 3154191

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3154191_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			.1	0.102		mg/L		102	70 - 125	6	25
Ethylbenzene			.1	0.0993		mg/L		99	71 - 129	4	25
m,p-Xylenes			.2	0.203		mg/L		102	70 - 131	5	25
o-Xylene			.1	0.101		mg/L		101	71 - 133	2	25
Toluene			.1	0.0981		mg/L		98	70 - 125	5	25

Lab Sample ID: 7723815-1-BLK
Matrix: WATER
Analysis Batch: 3154364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3154364_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/L		03/21/21 10:00	03/21/21 15:47	1
Ethylbenzene	<.002	U	.002		mg/L		03/21/21 10:00	03/21/21 15:47	1
m,p-Xylenes	<.004	U	.004		mg/L		03/21/21 10:00	03/21/21 15:47	1
o-Xylene	<.002	U	.002		mg/L		03/21/21 10:00	03/21/21 15:47	1
Toluene	<.002	U	.002		mg/L		03/21/21 10:00	03/21/21 15:47	1

Lab Sample ID: 7723815-1-BKS
Matrix: WATER
Analysis Batch: 3154364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3154364_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			.1	0.114		mg/L		114	70 - 125
Ethylbenzene			.1	0.113		mg/L		113	71 - 129
m,p-Xylenes			.2	0.231		mg/L		116	70 - 131
o-Xylene			.1	0.111		mg/L		111	71 - 133
Toluene			.1	0.112		mg/L		112	70 - 125

Lab Sample ID: 7723815-1-BSD
Matrix: WATER
Analysis Batch: 3154364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3154364_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			.1	0.108		mg/L		108	70 - 125	5	25
Ethylbenzene			.1	0.107		mg/L		107	71 - 129	5	25
m,p-Xylenes			.2	0.222		mg/L		111	70 - 131	4	25
o-Xylene			.1	0.108		mg/L		108	71 - 133	3	25
Toluene			.1	0.106		mg/L		106	70 - 125	6	25

Method: PAH by 8270D-SIM - General Subcontract Method

Lab Sample ID: 7723354-1-BLK
Matrix: WATER
Analysis Batch: 3153767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3153767_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<.00019	U	.00019	0.000104	mg/L		03/15/21 17:00	03/15/21 19:01	1
Acenaphthylene	<.00019	U	.00019	0.0000878	mg/L		03/15/21 17:00	03/15/21 19:01	1
Anthracene	<.00019	U	.00019	0.0000903	mg/L		03/15/21 17:00	03/15/21 19:01	1
Benzo(a)anthracene	<.00019	U	.00019	0.000140	mg/L		03/15/21 17:00	03/15/21 19:01	1

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QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: PAH by 8270D-SIM - General Subcontract Method (Continued)

Lab Sample ID: 7723354-1-BLK — **Client Sample ID: Method Blank**
Matrix: WATER — **Prep Type: Total/NA**
Analysis Batch: 3153767 — **Prep Batch: 3153767_P**

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	<.00019	U	.00019	0.0000595	mg/L		03/15/21 17:00	03/15/21 19:01	1
Benzo(b)fluoranthene	<.00019	U	.00019	0.0000741	mg/L		03/15/21 17:00	03/15/21 19:01	1
Benzo(g,h,i)perylene	<.00019	U	.00019	0.000118	mg/L		03/15/21 17:00	03/15/21 19:01	1
Benzo(k)fluoranthene	<.00019	U	.00019	0.000121	mg/L		03/15/21 17:00	03/15/21 19:01	1
Chrysene	<.00019	U	.00019	0.000163	mg/L		03/15/21 17:00	03/15/21 19:01	1
Dibenz(a,h)anthracene	<.00019	U	.00019	0.0000793	mg/L		03/15/21 17:00	03/15/21 19:01	1
Fluoranthene	<.00019	U	.00019	0.000164	mg/L		03/15/21 17:00	03/15/21 19:01	1
Fluorene	<.00019	U	.00019	0.000105	mg/L		03/15/21 17:00	03/15/21 19:01	1
Indeno(1,2,3-c,d)Pyrene	<.00019	U	.00019	0.0000952	mg/L		03/15/21 17:00	03/15/21 19:01	1
Naphthalene	<.000379	U	.000379	0.000101	mg/L		03/15/21 17:00	03/15/21 19:01	1
Phenanthrene	<.00019	U	.00019	0.0000887	mg/L		03/15/21 17:00	03/15/21 19:01	1
Pyrene	<.00019	U	.00019	0.000136	mg/L		03/15/21 17:00	03/15/21 19:01	1

Lab Sample ID: 7723354-1-BKS — **Client Sample ID: Lab Control Sample**
Matrix: WATER — **Prep Type: Total/NA**
Analysis Batch: 3153767 — **Prep Batch: 3153767_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	.0188	0.0148		mg/L		79	16 - 130
Acenaphthylene	.0188	0.0155		mg/L		82	50 - 120
Anthracene	.0188	0.0158		mg/L		84	55 - 115
Benzo(a)anthracene	.0188	0.0157		mg/L		84	55 - 130
Benzo(a)pyrene	.0188	0.0164		mg/L		87	55 - 110
Benzo(b)fluoranthene	.0188	0.0159		mg/L		85	45 - 120
Benzo(g,h,i)perylene	.0188	0.0161		mg/L		86	40 - 125
Benzo(k)fluoranthene	.0188	0.0169		mg/L		90	45 - 120
Chrysene	.0188	0.0155		mg/L		82	55 - 120
Dibenz(a,h)anthracene	.0188	0.0161		mg/L		86	40 - 125
Fluoranthene	.0188	0.0154		mg/L		82	55 - 115
Fluorene	.0188	0.0153		mg/L		81	50 - 120
Indeno(1,2,3-c,d)Pyrene	.0188	0.0161		mg/L		86	45 - 125
Naphthalene	.0188	0.0136		mg/L		72	40 - 130
Phenanthrene	.0188	0.0152		mg/L		81	50 - 115
Pyrene	.0188	0.0162		mg/L		86	13 - 130

Lab Sample ID: 7723354-1-BSD — **Client Sample ID: Lab Control Sample Dup**
Matrix: WATER — **Prep Type: Total/NA**
Analysis Batch: 3153767 — **Prep Batch: 3153767_P**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	.0187	0.0162		mg/L		87	16 - 130	9	30
Acenaphthylene	.0187	0.0167		mg/L		89	50 - 120	7	30
Anthracene	.0187	0.0172		mg/L		92	55 - 115	8	30
Benzo(a)anthracene	.0187	0.0172		mg/L		92	55 - 130	9	30
Benzo(a)pyrene	.0187	0.0177		mg/L		95	55 - 110	8	30
Benzo(b)fluoranthene	.0187	0.0175		mg/L		94	45 - 120	10	30
Benzo(g,h,i)perylene	.0187	0.0164		mg/L		88	40 - 125	2	30
Benzo(k)fluoranthene	.0187	0.0176		mg/L		94	45 - 120	4	30
Chrysene	.0187	0.0168		mg/L		90	55 - 120	8	30

QC Sample Results

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

Job ID: 890-334-1
SDG: 700376.045.04

Method: PAH by 8270D-SIM - General Subcontract Method (Continued)

Lab Sample ID: 7723354-1-BSD
Matrix: WATER
Analysis Batch: 3153767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3153767_P

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene			.0187	0.0164		mg/L		88	40 - 125	2	30
Fluoranthene			.0187	0.0169		mg/L		90	55 - 115	9	30
Fluorene			.0187	0.0168		mg/L		90	50 - 120	9	30
Indeno(1,2,3-c,d)Pyrene			.0187	0.0163		mg/L		87	45 - 125	1	30
Naphthalene			.0187	0.0144		mg/L		77	40 - 130	6	30
Phenanthrene			.0187	0.0165		mg/L		88	50 - 115	8	30
Pyrene			.0187	0.0175		mg/L		94	13 - 130	8	30

QC Association Summary

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

Job ID: 890-334-1
SDG: 700376.045.04

GC VOA

Analysis Batch: 2193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-12	MW-18	Total/NA	Water	8021B	
890-334-13	MW-5	Total/NA	Water	8021B	
890-334-14	MW-21A	Total/NA	Water	8021B	
MB 880-2193/8	Method Blank	Total/NA	Water	8021B	
LCS 880-2193/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-2193/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-1501-G-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-1501-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Subcontract

Analysis Batch: 3153767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-14	MW-21A	Total/NA	Water	PAH by 8270D-SIM	3153767_P
7723354-1-BLK	Method Blank	Total/NA	WATER	PAH by 8270D-SIM	3153767_P
7723354-1-BKS	Lab Control Sample	Total/NA	WATER	PAH by 8270D-SIM	3153767_P
7723354-1-BSD	Lab Control Sample Dup	Total/NA	WATER	PAH by 8270D-SIM	3153767_P

Analysis Batch: 3154182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-2	MW-3A	Total/NA	Water	BTEX 8021B	3154182_P
890-334-3	MW-20	Total/NA	Water	BTEX 8021B	3154182_P
890-334-4	MW-8	Total/NA	Water	BTEX 8021B	3154182_P
890-334-5	MW-13	Total/NA	Water	BTEX 8021B	3154182_P
890-334-6	MW-4A	Total/NA	Water	BTEX 8021B	3154182_P
890-334-7	MW-10	Total/NA	Water	BTEX 8021B	3154182_P
890-334-8	MW-6	Total/NA	Water	BTEX 8021B	3154182_P
890-334-9	MW-12	Total/NA	Water	BTEX 8021B	3154182_P
890-334-10	MW-9	Total/NA	Water	BTEX 8021B	3154182_P
7723680-1-BLK	Method Blank	Total/NA	WATER	BTEX 8021B	3154182_P
7723680-1-BKS	Lab Control Sample	Total/NA	WATER	BTEX 8021B	3154182_P
7723680-1-BSD	Lab Control Sample Dup	Total/NA	WATER	BTEX 8021B	3154182_P
691758-002 S	Matrix Spike	Total/NA	WATER	BTEX 8021B	3154182_P
691758-002 SD	Matrix Spike Duplicate	Total/NA	WATER	BTEX 8021B	3154182_P

Analysis Batch: 3154191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-1	MW-11	Total/NA	Water	BTEX 8021B	3154191_P
7723688-1-BLK	Method Blank	Total/NA	WATER	BTEX 8021B	3154191_P
7723688-1-BKS	Lab Control Sample	Total/NA	WATER	BTEX 8021B	3154191_P
7723688-1-BSD	Lab Control Sample Dup	Total/NA	WATER	BTEX 8021B	3154191_P

Analysis Batch: 3154364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-11	MW-17	Total/NA	Water	BTEX 8021B	3154364_P
7723815-1-BLK	Method Blank	Total/NA	WATER	BTEX 8021B	3154364_P
7723815-1-BKS	Lab Control Sample	Total/NA	WATER	BTEX 8021B	3154364_P
7723815-1-BSD	Lab Control Sample Dup	Total/NA	WATER	BTEX 8021B	3154364_P

QC Association Summary

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

Job ID: 890-334-1
SDG: 700376.045.04

Subcontract

Prep Batch: 3153767_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-14	MW-21A	Total/NA	Water	SW3511	
7723354-1-BLK	Method Blank	Total/NA	WATER	SW3511	
7723354-1-BKS	Lab Control Sample	Total/NA	WATER	SW3511	
7723354-1-BSD	Lab Control Sample Dup	Total/NA	WATER	SW3511	

Prep Batch: 3154182_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-2	MW-3A	Total/NA	Water	SW5030B	
890-334-3	MW-20	Total/NA	Water	SW5030B	
890-334-4	MW-8	Total/NA	Water	SW5030B	
890-334-5	MW-13	Total/NA	Water	SW5030B	
890-334-6	MW-4A	Total/NA	Water	SW5030B	
890-334-7	MW-10	Total/NA	Water	SW5030B	
890-334-8	MW-6	Total/NA	Water	SW5030B	
890-334-9	MW-12	Total/NA	Water	SW5030B	
890-334-10	MW-9	Total/NA	Water	SW5030B	
7723680-1-BLK	Method Blank	Total/NA	WATER	SW5030B	
7723680-1-BKS	Lab Control Sample	Total/NA	WATER	SW5030B	
7723680-1-BSD	Lab Control Sample Dup	Total/NA	WATER	SW5030B	
691758-002 S	Matrix Spike	Total/NA	WATER	SW5030B	
691758-002 SD	Matrix Spike Duplicate	Total/NA	WATER	SW5030B	

Prep Batch: 3154191_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-1	MW-11	Total/NA	Water	SW5030B	
7723688-1-BLK	Method Blank	Total/NA	WATER	SW5030B	
7723688-1-BKS	Lab Control Sample	Total/NA	WATER	SW5030B	
7723688-1-BSD	Lab Control Sample Dup	Total/NA	WATER	SW5030B	

Prep Batch: 3154364_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-334-11	MW-17	Total/NA	Water	SW5030B	
7723815-1-BLK	Method Blank	Total/NA	WATER	SW5030B	
7723815-1-BKS	Lab Control Sample	Total/NA	WATER	SW5030B	
7723815-1-BSD	Lab Control Sample Dup	Total/NA	WATER	SW5030B	

Lab Chronicle

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-11
Date Collected: 03/11/21 09:20
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154191_P	03/16/21 12:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154191	03/19/21 03:35	KTL	XEN MID

Client Sample ID: MW-3A
Date Collected: 03/11/21 10:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 21:42	KTL	XEN MID

Client Sample ID: MW-20
Date Collected: 03/10/21 10:15
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-3
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	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 22:02	KTL	XEN MID

Client Sample ID: MW-8
Date Collected: 03/11/21 11:20
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 22:23	KTL	XEN MID

Client Sample ID: MW-13
Date Collected: 03/11/21 12:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 22:43	KTL	XEN MID

Client Sample ID: MW-4A
Date Collected: 03/11/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 23:04	KTL	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-10
Date Collected: 03/10/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 23:24	KTL	XEN MID

Client Sample ID: MW-6
Date Collected: 03/11/21 13:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-8
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	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/18/21 23:45	KTL	XEN MID

Client Sample ID: MW-12
Date Collected: 03/11/21 13:30
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-9
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	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/19/21 00:05	KTL	XEN MID

Client Sample ID: MW-9
Date Collected: 03/10/21 14:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-10
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	SW5030B		1			3154182_P	03/17/21 13:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154182	03/19/21 00:26	KTL	XEN MID

Client Sample ID: MW-17
Date Collected: 03/10/21 15:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-11
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	SW5030B		1			3154364_P	03/21/21 10:00		XEN MID
Total/NA	Analysis	BTEX 8021B		1			3154364	03/21/21 21:41	KTL	XEN MID

Client Sample ID: MW-18
Date Collected: 03/10/21 16:30
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-12
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	2193	04/23/21 16:20	KL	XEN MID

Lab Chronicle

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

Job ID: 890-334-1
SDG: 700376.045.04

Client Sample ID: MW-5
Date Collected: 03/10/21 18:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-13
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	2193	04/23/21 16:41	KL	XEN MID

Client Sample ID: MW-21A
Date Collected: 03/10/21 12:00
Date Received: 03/12/21 13:46

Lab Sample ID: 890-334-14
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	2193	04/23/21 16:00	KL	XEN MID
Total/NA	Prep	SW3511		1			3153767_P	03/15/21 17:27		TAL HOU
Total/NA	Analysis	PAH by 8270D-SIM		1			3153767	03/15/21 21:38	ENC	TAL HOU

Laboratory References:

TAL HOU = Eurofins Xenco, Houston, 4145 Greenbriar Drive, Stafford, TX 77477, TEL (713)690-4444

XEN MID = Eurofins Xenco, 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: 890-334-1
SDG: 700376.045.04

Laboratory: Eurofins Xenco, Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	20-052-0	08-04-21
Louisiana	NELAP	01967	06-30-21
Oklahoma	State	2020-033	08-31-21
Texas	NELAP	T104704223-20-28	11-01-21
USDA	US Federal Programs	P330-18-00130	04-30-21

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

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

Method Summary

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

Job ID: 890-334-1
SDG: 700376.045.04

Method	Method Description	Protocol	Laboratory
Subcontract	PAH by 8270D-SIM	None	TAL HOU
Subcontract	BTEX 8021B	None	XEN MID

Protocol References:

None = None

Laboratory References:

TAL HOU = Eurofins Xenco, Houston, 4145 Greenbriar Drive, Stafford, TX 77477, TEL (713)690-4444

XEN MID = Eurofins Xenco, 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: 890-334-1
SDG: 700376.045.04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-334-1	MW-11	Water	03/11/21 09:20	03/12/21 13:46
890-334-2	MW-3A	Water	03/11/21 10:00	03/12/21 13:46
890-334-3	MW-20	Water	03/10/21 10:15	03/12/21 13:46
890-334-4	MW-8	Water	03/11/21 11:20	03/12/21 13:46
890-334-5	MW-13	Water	03/11/21 12:00	03/12/21 13:46
890-334-6	MW-4A	Water	03/11/21 13:00	03/12/21 13:46
890-334-7	MW-10	Water	03/10/21 13:00	03/12/21 13:46
890-334-8	MW-6	Water	03/11/21 13:00	03/12/21 13:46
890-334-9	MW-12	Water	03/11/21 13:30	03/12/21 13:46
890-334-10	MW-9	Water	03/10/21 14:00	03/12/21 13:46
890-334-11	MW-17	Water	03/10/21 15:00	03/12/21 13:46
890-334-12	MW-18	Water	03/10/21 16:30	03/12/21 13:46
890-334-13	MW-5	Water	03/10/21 18:00	03/12/21 13:46
890-334-14	MW-21A	Water	03/10/21 12:00	03/12/21 13:46

Chain of Custody

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

Work Order No: _____

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Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	
Address:	408 Texas St	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10273
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal 2	Turn Around	Pres. Code
Project Number:	700376.045.04	☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	RoyBell/Jonathan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TMM-001	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.6	
Total Containers:		Corrected Temperature:	0.4	

ANALYSIS REQUEST

Parameters: BTEX 8021

890-334 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021	Sample Comments
MW-11	GW	3/11/21	9:20	N/A		3	X	Email Analyticals to: Camille Bryant
MW-3A			10:00					
MW-20		3/10/21	10:15					
MW-8		3/11/21	11:20					
MW-13		3/11/21	12:00					
MW-4A		3/11/21	1:00					
MW-10		3/10/21	1300					
MW-6		3/11/21	1300					
MW-12		3/11/21	1330					
MW-9		3/10/21	1400					

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 RoyBell		3/12/21 8:00am	2	3.12.21 1346	
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

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Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	Attn #Camille Bryant
Address:	408 Texas STREET	Address:	SRS# 2002-10273
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal 2	Turn Around	
Project Number:	700376.045.04	☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roy Bell/Jonathan	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	See Pg 1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	Parameters: PAH
MW-17	GW	3/10/21	1500	N/A		3		X	
MW-18			1630						
MW-5			1800						
MW-21A	GW	3/10/21	12:00			5		X	X

Preservative Codes

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

Sample Comments

Email Analyticals to: Camille Bryant

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Roy Bell		3/12/2021 8:00a	2 Dave Cuffe	3.12.21 1346	
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-94 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-334-1
Address: 1211 W Florida Ave ,	Due Date Requested: 3/19/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1 (MTJ 1)	Project #: 89000040			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (BTEX 8021B)/ BTEX 8021B	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-9 (890-334-10)	3/10/21	14 00 Mountain		Water			X	1	
MW-18 (890-334-12)	3/10/21	16 30 Mountain		Water			X	2	
MW-21A (890-334-14)	3/10/21	12 00 Mountain		Water			X	1	

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

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

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	3.15.21 1437				3/16/21 1210	
2						
3						

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

Ver: 11/01/2020

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-95 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-334-1
Address: 1211 W Florida Ave	Due Date Requested: 3/19/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Moore to Jal #1 (MTJ 1)	Project #: 89000040			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (BTEX 8021B)/ BTEX 8021B	Total Number of containers	Special Instructions/Note.
			Preservation Code:						
MW-5 (890-334-13)	3/10/21	18 00 Mountain		Water			X	3	

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

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

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Clive Cuttle 3-15-21	1430		KRAMER	3/16/21 1210	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-334-1
SDG Number: 700376.045.04

Login Number: 334
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-447-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore To Jal 2

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

Attn: David Adkins

JKramer

Authorized for release by:
4/2/2021 11:04:06 AM

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

Client: Talon/LPE
Project/Site: Moore To Jal 2

Laboratory Job ID: 890-447-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

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

Job ID: 890-447-1
SDG: Lea County NM

Job ID: 890-447-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-447-1

Comments
No additional comments.

Receipt
The sample was received on 3/29/2021 3:31 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 17.4º C.

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Client Sample ID: MW-19

Date Collected: 03/29/21 11:19
Date Received: 03/29/21 15:31

Lab Sample ID: 890-447-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/02/21 02:50	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 02:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 02:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 02:50	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 02:50	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 02:50	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*04/02/21 02:50*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*		*04/02/21 02:50*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-447-1	MW-19	110	109										
LCS 880-1096/64	Lab Control Sample	88	104										
LCSD 880-1096/65	Lab Control Sample Dup	103	108										
MB 880-1070/5-A	Method Blank	66 X	85										
MB 880-1096/69	Method Blank	67 X	86										

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1070/5-A
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		03/30/21 13:10	04/01/21 07:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		03/30/21 13:10	04/01/21 07:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		03/30/21 13:10	04/01/21 07:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		03/30/21 13:10	04/01/21 07:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		03/30/21 13:10	04/01/21 07:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*X*	*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*

Lab Sample ID: MB 880-1096/69
Matrix: Water
Analysis Batch: 1096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:08	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:08	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:08	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*X*	*70 - 130*		*04/01/21 20:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*04/01/21 20:08*	*1*

Lab Sample ID: LCS 880-1096/64
Matrix: Water
Analysis Batch: 1096

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	0.09503		mg/L		95	70 - 130
Toluene	0.100	0.09979		mg/L		100	70 - 130
Ethylbenzene	0.100	0.09228		mg/L		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1856		mg/L		93	70 - 130
o-Xylene	0.100	0.1014		mg/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-1096/65
Matrix: Water
Analysis Batch: 1096

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	0.09041		mg/L		90	70 - 130	5	20
Toluene			0.100	0.09880		mg/L		99	70 - 130	1	20
Ethylbenzene			0.100	0.09219		mg/L		92	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.1878		mg/L		94	70 - 130	1	20
o-Xylene			0.100	0.1063		mg/L		106	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

GC VOA

Prep Batch: 1070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1070/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 1096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-447-1	MW-19	Total/NA	Water	8021B	
MB 880-1070/5-A	Method Blank	Total/NA	Water	8021B	1070
MB 880-1096/69	Method Blank	Total/NA	Water	8021B	
LCS 880-1096/64	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1096/65	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Client Sample ID: MW-19

Date Collected: 03/29/21 11:19
Date Received: 03/29/21 15:31

Lab Sample ID: 890-447-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/02/21 02:50	MR	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
5030B	Purge and Trap	SW846	XM

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Moore To Jal 2

Job ID: 890-447-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-447-1	MW-19	Water	03/29/21 11:19	03/29/21 15:31	

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon/LPE	Company Name:	Pipeline
Address:	408 W Texas Ave	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS #2002-10273
Phone:	575-746-8768	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore To Jal 2	Turn Around	☑ Routine ☐ Rush
Project Number:	700376.045.04	Due Date:	
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Brandon Sinclair		
PO #:	2002-10273		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	17.6
Total Containers:		Corrected Temperature:	17.4

ANALYSIS REQUEST

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	Parameters	Sample Comments
MW-19	Aq	3/29/21	11:19	N/A	G	3	BTEX ✓	Email Analytical to: Camille Bryant

890-447 Chain of Custody

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.29.21 1531	4		
3			6		
5					

Revised Date: 08/25/2020 Rev 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-138 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-447-1
Address: 1211 W Florida Ave,	Due Date Requested: 4/2/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore To Jal 2	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, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X			
MW-19 (890-447-1)	3/29/21	11 19 Mountain		Water			X	3	

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

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

Empty Kit Relinquished by	Date	Time.	Method of Shipment.

Relinquished by: Cloe Cuff 3.30.21	Date/Time:	Company	Received by:	Date/Time: 3/31/21 2:00pm	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-447-1
SDG Number: Lea County NM

Login Number: 447
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-447-1
SDG Number: Lea County NM

Login Number: 447
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/30/21 02:40 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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-820-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: 8" Moore To Jal #2 (MTJ2)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
6/21/2021 2:02:33 PM

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

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

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

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Laboratory Job ID: 890-820-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Job ID: 890-820-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-820-1

Comments
No additional comments.

Receipt
The samples were received on 6/17/2021 8:26 AM. 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 was 1.6º C.

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-20 (890-820-1), MW-13 (890-820-7) and MW-9 (890-820-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for analytical batch 880-4226 contained Toluene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-20
Date Collected: 06/15/21 09:40
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-1
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 03:27	1
Toluene	**0.00160**	**J B**	0.00200	0.000367	mg/L			06/18/21 03:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 03:27	1
m-Xylene & p-Xylene	**0.000889**	**J**	0.00400	0.000629	mg/L			06/18/21 03:27	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 03:27	1
Xylenes, Total	**0.000889**	**J**	0.00400	0.000642	mg/L			06/18/21 03:27	1
Total BTEX	**0.00249**	**J B**	0.00400	0.000657	mg/L			06/18/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*		*06/18/21 03:27*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*06/18/21 03:27*	*1*

Client Sample ID: MW-21A
Date Collected: 06/15/21 10:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 03:53	1
Toluene	**0.00137**	**J B**	0.00200	0.000367	mg/L			06/18/21 03:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 03:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 03:53	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 03:53	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 03:53	1
Total BTEX	**0.00137**	**J B**	0.00400	0.000657	mg/L			06/18/21 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*06/18/21 03:53*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*06/18/21 03:53*	*1*

Client Sample ID: MW-19
Date Collected: 06/15/21 11:00
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 04:18	1
Toluene	**0.00113**	**J B**	0.00200	0.000367	mg/L			06/18/21 04:18	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 04:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 04:18	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 04:18	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 04:18	1
Total BTEX	**0.00113**	**J B**	0.00400	0.000657	mg/L			06/18/21 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*06/18/21 04:18*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*06/18/21 04:18*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-17
Date Collected: 06/15/21 11:10
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 04:43	1
Toluene	**0.000966**	**J B**	0.00200	0.000367	mg/L			06/18/21 04:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 04:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 04:43	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 04:43	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 04:43	1
Total BTEX	**0.000966**	**J B**	0.00400	0.000657	mg/L			06/18/21 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*06/18/21 04:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*06/18/21 04:43*	*1*

Client Sample ID: MW-18
Date Collected: 06/15/21 11:20
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 05:09	1
Toluene	**0.00108**	**J B**	0.00200	0.000367	mg/L			06/18/21 05:09	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 05:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 05:09	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 05:09	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 05:09	1
Total BTEX	**0.00108**	**J B**	0.00400	0.000657	mg/L			06/18/21 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*06/18/21 05:09*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*		*06/18/21 05:09*	*1*

Client Sample ID: MW-10
Date Collected: 06/15/21 12:00
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-6
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 05:33	1
Toluene	**0.000955**	**J B**	0.00200	0.000367	mg/L			06/18/21 05:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 05:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 05:33	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 05:33	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 05:33	1
Total BTEX	**0.000955**	**J B**	0.00400	0.000657	mg/L			06/18/21 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*06/18/21 05:33*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*06/18/21 05:33*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-13

Lab Sample ID: 890-820-7
Matrix: Water
Date Collected: 06/15/21 12:00
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 05:59	1
Toluene	**0.000909**	**J B**	0.00200	0.000367	mg/L			06/18/21 05:59	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 05:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 05:59	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 05:59	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 05:59	1
Total BTEX	**0.000909**	**J B**	0.00400	0.000657	mg/L			06/18/21 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*		*06/18/21 05:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*06/18/21 05:59*	*1*

Client Sample ID: MW-8

Lab Sample ID: 890-820-8
Matrix: Water
Date Collected: 06/15/21 12:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 06:24	1
Toluene	**0.000834**	**J B**	0.00200	0.000367	mg/L			06/18/21 06:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 06:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 06:24	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 06:24	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 06:24	1
Total BTEX	**0.000834**	**J B**	0.00400	0.000657	mg/L			06/18/21 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*06/18/21 06:24*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*06/18/21 06:24*	*1*

Client Sample ID: MW-22

Lab Sample ID: 890-820-9
Matrix: Water
Date Collected: 06/15/21 13:20
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 06:50	1
Toluene	**0.000979**	**J B**	0.00200	0.000367	mg/L			06/18/21 06:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 06:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 06:50	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 06:50	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 06:50	1
Total BTEX	**0.000979**	**J B**	0.00400	0.000657	mg/L			06/18/21 06:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*06/18/21 06:50*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*06/18/21 06:50*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-23
Date Collected: 06/15/21 13:40
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-10
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 07:16	1
Toluene	**0.000794**	**J B**	0.00200	0.000367	mg/L			06/18/21 07:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 07:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 07:16	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 07:16	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 07:16	1
Total BTEX	**0.000794**	**J B**	0.00400	0.000657	mg/L			06/18/21 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*06/18/21 07:16*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*		*06/18/21 07:16*	*1*

Client Sample ID: MW-12
Date Collected: 06/15/21 14:00
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-11
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 09:24	1
Toluene	**0.000680**	**J B**	0.00200	0.000367	mg/L			06/18/21 09:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 09:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 09:24	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 09:24	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 09:24	1
Total BTEX	**0.000680**	**J B**	0.00400	0.000657	mg/L			06/18/21 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*06/18/21 09:24*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*06/18/21 09:24*	*1*

Client Sample ID: MW-3A
Date Collected: 06/15/21 14:15
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Lab Sample ID: 890-820-12
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 09:49	1
Toluene	**0.000705**	**J B**	0.00200	0.000367	mg/L			06/18/21 09:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 09:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 09:49	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 09:49	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 09:49	1
Total BTEX	**0.000705**	**J B**	0.00400	0.000657	mg/L			06/18/21 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*06/18/21 09:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*06/18/21 09:49*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-11

Lab Sample ID: 890-820-13
Matrix: Water
Date Collected: 06/15/21 14:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 10:14	1
Toluene	**0.000780**	**J B**	0.00200	0.000367	mg/L			06/18/21 10:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 10:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 10:14	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 10:14	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 10:14	1
Total BTEX	**0.000780**	**J B**	0.00400	0.000657	mg/L			06/18/21 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*		*06/18/21 10:14*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*06/18/21 10:14*	*1*

Client Sample ID: MW-4A

Lab Sample ID: 890-820-14
Matrix: Water
Date Collected: 06/16/21 11:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00156**	**J**	0.00200	0.000408	mg/L			06/18/21 10:39	1
Toluene	**0.00319**	**B**	0.00200	0.000367	mg/L			06/18/21 10:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 10:39	1
m-Xylene & p-Xylene	**0.00108**	**J**	0.00400	0.000629	mg/L			06/18/21 10:39	1
o-Xylene	**0.00110**	**J**	0.00200	0.000642	mg/L			06/18/21 10:39	1
Xylenes, Total	**0.00218**	**J**	0.00400	0.000642	mg/L			06/18/21 10:39	1
Total BTEX	**0.00693**	**B**	0.00400	0.000657	mg/L			06/18/21 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*		*06/18/21 10:39*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*06/18/21 10:39*	*1*

Client Sample ID: MW-5

Lab Sample ID: 890-820-15
Matrix: Water
Date Collected: 06/16/21 12:40
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000702**	**J**	0.00200	0.000408	mg/L			06/18/21 11:04	1
Toluene	**0.00199**	**J B**	0.00200	0.000367	mg/L			06/18/21 11:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 11:04	1
m-Xylene & p-Xylene	**0.00275**	**J**	0.00400	0.000629	mg/L			06/18/21 11:04	1
o-Xylene	**0.00315**		0.00200	0.000642	mg/L			06/18/21 11:04	1
Xylenes, Total	**0.00590**		0.00400	0.000642	mg/L			06/18/21 11:04	1
Total BTEX	**0.00859**	**B**	0.00400	0.000657	mg/L			06/18/21 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*06/18/21 11:04*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*06/18/21 11:04*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-9

Lab Sample ID: 890-820-16
Matrix: Water
Date Collected: 06/16/21 13:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00229**		0.00200	0.000408	mg/L			06/18/21 11:29	1
Toluene	**0.00587**	**B**	0.00200	0.000367	mg/L			06/18/21 11:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 11:29	1
m-Xylene & p-Xylene	**0.00191**	**J**	0.00400	0.000629	mg/L			06/18/21 11:29	1
o-Xylene	**0.00174**	**J**	0.00200	0.000642	mg/L			06/18/21 11:29	1
Xylenes, Total	**0.00365**	**J**	0.00400	0.000642	mg/L			06/18/21 11:29	1
Total BTEX	**0.0118**	**B**	0.00400	0.000657	mg/L			06/18/21 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*		*06/18/21 11:29*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*		*06/18/21 11:29*	*1*

Client Sample ID: MW-6

Lab Sample ID: 890-820-17
Matrix: Water
Date Collected: 06/16/21 14:30
Date Received: 06/17/21 08:26
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 11:54	1
Toluene	**0.000816**	**J B**	0.00200	0.000367	mg/L			06/18/21 11:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 11:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 11:54	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 11:54	1
Total BTEX	**0.000816**	**J B**	0.00400	0.000657	mg/L			06/18/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*		*06/18/21 11:54*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*06/18/21 11:54*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-820-1	MW-20	134 S1+	88
890-820-1 MS	MW-20	117	115
890-820-1 MSD	MW-20	116	113
890-820-2	MW-21A	125	99
890-820-3	MW-19	121	106
890-820-4	MW-17	120	102
890-820-5	MW-18	127	106
890-820-6	MW-10	121	103
890-820-7	MW-13	119	105
890-820-8	MW-8	131 S1+	108
890-820-9	MW-22	113	92
890-820-10	MW-23	107	90
890-820-11	MW-12	123	103
890-820-12	MW-3A	125	105
890-820-13	MW-11	126	111
890-820-14	MW-4A	125	105
890-820-15	MW-5	127	105
890-820-16	MW-9	131 S1+	114
890-820-17	MW-6	127	105
LCS 880-4226/34	Lab Control Sample	116	109
LCSD 880-4226/35	Lab Control Sample Dup	116	111
MB 880-4226/39	Method Blank	80	86
MB 880-4226/8	Method Blank	0.002 S1-	87

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4226/39
Matrix: Water
Analysis Batch: 4226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/18/21 03:02	1
Toluene	0.0008569	J	0.00200	0.000367	mg/L			06/18/21 03:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/18/21 03:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/18/21 03:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/18/21 03:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/18/21 03:02	1
Total BTEX	0.0008569	J	0.00400	0.000657	mg/L			06/18/21 03:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*		*06/18/21 03:02*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*06/18/21 03:02*	*1*

Lab Sample ID: MB 880-4226/8
Matrix: Water
Analysis Batch: 4226

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/17/21 14:41	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/17/21 14:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/17/21 14:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/17/21 14:41	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/17/21 14:41	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/17/21 14:41	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/17/21 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0.002*	*S1-*	*70 - 130*		*06/17/21 14:41*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*06/17/21 14:41*	*1*

Lab Sample ID: LCS 880-4226/34
Matrix: Water
Analysis Batch: 4226

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	0.1110		mg/L		111	70 - 130
Toluene	0.100	0.09574		mg/L		96	70 - 130
Ethylbenzene	0.100	0.1154		mg/L		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2076		mg/L		104	70 - 130
o-Xylene	0.100	0.1064		mg/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-4226/35
Matrix: Water
Analysis Batch: 4226

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	0.1176		mg/L		118	70 - 130	6	20
Toluene			0.100	0.1109		mg/L		111	70 - 130	15	20
Ethylbenzene			0.100	0.1224		mg/L		122	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.2194		mg/L		110	70 - 130	6	20
o-Xylene			0.100	0.1119		mg/L		112	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 890-820-1 MS
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.1204		mg/L		120	70 - 130		
Toluene	0.00160	J B	0.100	0.1286		mg/L		127	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1289		mg/L		129	70 - 130		
m-Xylene & p-Xylene	0.000889	J	0.200	0.2306		mg/L		115	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1173		mg/L		117	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 890-820-1 MSD
Matrix: Water
Analysis Batch: 4226

Client Sample ID: MW-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1125		mg/L		113	70 - 130	7	25
Toluene	0.00160	J B	0.100	0.1231		mg/L		122	70 - 130	4	25
Ethylbenzene	<0.00200	U	0.100	0.1232		mg/L		123	70 - 130	4	25
m-Xylene & p-Xylene	0.000889	J	0.200	0.2202		mg/L		110	70 - 130	5	25
o-Xylene	<0.00200	U	0.100	0.1118		mg/L		112	70 - 130	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

GC VOA

Analysis Batch: 4226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-820-1	MW-20	Total/NA	Water	8021B	
890-820-2	MW-21A	Total/NA	Water	8021B	
890-820-3	MW-19	Total/NA	Water	8021B	
890-820-4	MW-17	Total/NA	Water	8021B	
890-820-5	MW-18	Total/NA	Water	8021B	
890-820-6	MW-10	Total/NA	Water	8021B	
890-820-7	MW-13	Total/NA	Water	8021B	
890-820-8	MW-8	Total/NA	Water	8021B	
890-820-9	MW-22	Total/NA	Water	8021B	
890-820-10	MW-23	Total/NA	Water	8021B	
890-820-11	MW-12	Total/NA	Water	8021B	
890-820-12	MW-3A	Total/NA	Water	8021B	
890-820-13	MW-11	Total/NA	Water	8021B	
890-820-14	MW-4A	Total/NA	Water	8021B	
890-820-15	MW-5	Total/NA	Water	8021B	
890-820-16	MW-9	Total/NA	Water	8021B	
890-820-17	MW-6	Total/NA	Water	8021B	
MB 880-4226/39	Method Blank	Total/NA	Water	8021B	
MB 880-4226/8	Method Blank	Total/NA	Water	8021B	
LCS 880-4226/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-4226/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-820-1 MS	MW-20	Total/NA	Water	8021B	
890-820-1 MSD	MW-20	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-20
Date Collected: 06/15/21 09:40
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-1
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	4226	06/18/21 03:27	MR	XEN MID

Client Sample ID: MW-21A
Date Collected: 06/15/21 10:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-2
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	4226	06/18/21 03:53	MR	XEN MID

Client Sample ID: MW-19
Date Collected: 06/15/21 11:00
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 04:18	MR	XEN MID

Client Sample ID: MW-17
Date Collected: 06/15/21 11:10
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 04:43	MR	XEN MID

Client Sample ID: MW-18
Date Collected: 06/15/21 11:20
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 05:09	MR	XEN MID

Client Sample ID: MW-10
Date Collected: 06/15/21 12:00
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 05:33	MR	XEN MID

Client Sample ID: MW-13
Date Collected: 06/15/21 12:00
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 05:59	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-8
Date Collected: 06/15/21 12:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-8
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	4226	06/18/21 06:24	MR	XEN MID

Client Sample ID: MW-22
Date Collected: 06/15/21 13:20
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-9
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	4226	06/18/21 06:50	MR	XEN MID

Client Sample ID: MW-23
Date Collected: 06/15/21 13:40
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-10
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	4226	06/18/21 07:16	MR	XEN MID

Client Sample ID: MW-12
Date Collected: 06/15/21 14:00
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-11
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	4226	06/18/21 09:24	MR	XEN MID

Client Sample ID: MW-3A
Date Collected: 06/15/21 14:15
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-12
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	4226	06/18/21 09:49	MR	XEN MID

Client Sample ID: MW-11
Date Collected: 06/15/21 14:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-13
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	4226	06/18/21 10:14	MR	XEN MID

Client Sample ID: MW-4A
Date Collected: 06/16/21 11:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-14
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	4226	06/18/21 10:39	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Client Sample ID: MW-5
Date Collected: 06/16/21 12:40
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 11:04	MR	XEN MID

Client Sample ID: MW-9
Date Collected: 06/16/21 13:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 11:29	MR	XEN MID

Client Sample ID: MW-6
Date Collected: 06/16/21 14:30
Date Received: 06/17/21 08:26

Lab Sample ID: 890-820-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4226	06/18/21 11:54	MR	XEN MID

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: 8" Moore To Jal #2 (MTJ2)

Job ID: 890-820-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-820-1	MW-20	Water	06/15/21 09:40	06/17/21 08:26	- N/A
890-820-2	MW-21A	Water	06/15/21 10:30	06/17/21 08:26	- N/A
890-820-3	MW-19	Water	06/15/21 11:00	06/17/21 08:26	- N/A
890-820-4	MW-17	Water	06/15/21 11:10	06/17/21 08:26	- N/A
890-820-5	MW-18	Water	06/15/21 11:20	06/17/21 08:26	- N/A
890-820-6	MW-10	Water	06/15/21 12:00	06/17/21 08:26	- N/A
890-820-7	MW-13	Water	06/15/21 12:00	06/17/21 08:26	- N/A
890-820-8	MW-8	Water	06/15/21 12:30	06/17/21 08:26	- N/A
890-820-9	MW-22	Water	06/15/21 13:20	06/17/21 08:26	- N/A
890-820-10	MW-23	Water	06/15/21 13:40	06/17/21 08:26	- N/A
890-820-11	MW-12	Water	06/15/21 14:00	06/17/21 08:26	- N/A
890-820-12	MW-3A	Water	06/15/21 14:15	06/17/21 08:26	- N/A
890-820-13	MW-11	Water	06/15/21 14:30	06/17/21 08:26	- N/A
890-820-14	MW-4A	Water	06/16/21 11:30	06/17/21 08:26	- N/A
890-820-15	MW-5	Water	06/16/21 12:40	06/17/21 08:26	- N/A
890-820-16	MW-9	Water	06/16/21 13:30	06/17/21 08:26	- N/A
890-820-17	MW-6	Water	06/16/21 14:30	06/17/21 08:26	- N/A

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Chain of Custody

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

Work Order No: _____

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Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas Street	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10273
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	8" Moore to Jal #2 (MTJ2)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Roy B., James C.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.8	
Total Containers:		Corrected Temperature:	1.6	

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	Parameters: BTEX 8021B	Sample Comments
MW-20	Gw	6/15/21	9:40	N/A		3	X	Email Analyticals to: Camille Bryant ALGroves@paalp.com MaOchoa@paalp.com
MW-21A			10:30					
MW-19			11:00					
MW-17			11:10					
MW-18			11:20					
MW-10			12:00					
MW-13			12:00					
MW-8			12:30					
MW-22			1:20					
MW-23			1:40					

890-820 Chain of Custody

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Tony Bell	N. Oe	6/17/21 8:26	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

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Work Order No: _____

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas St	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10273
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal #2 (MTJ2)	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Ray Bell, James C	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See first page	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	Sample Comments
MW-12	GW	6/15/21	2:00	N/A		3		X	Email Analytical results to: CJBryant@paalp.com ALGroves@paalp.com MaOchoa@paalp.com
MW-3A			2:15						
MW-11			2:30						
MW-4A		6/16/21	11:30						
MW-5			12:40						
MW-9			1:30						
MW-6			2:30						

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 Ray Bell	N. Ochoa	6/17/21 8:26	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-820-1
SDG Number: Lea County

Login Number: 820
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-820-1
SDG Number: Lea County

Login Number: 820
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 06/17/21 02:25 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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1238-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore to Jal #2 (MTJ #2)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
9/15/2021 2:40:26 PM

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

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

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

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

Laboratory Job ID: 890-1238-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

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

Job ID: 890-1238-1
SDG: Lea County NM

Qualifiers

GC VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
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 (MTJ #2)

Job ID: 890-1238-1
SDG: Lea County NM

Job ID: 890-1238-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1238-1

Receipt
The samples were received on 9/9/2021 3:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA
Method 8021B: 4-Bromofluorobenzene Surrogate recovery for the following samples were outside control limits: MW-3A (890-1238-1), MW-4A (890-1238-2), MW-5 (890-1238-3), MW-6 (890-1238-4), MW-10 (890-1238-5), MW-11 (890-1238-6), MW-17 (890-1238-7), MW-18 (890-1238-8), MW-20 (890-1238-9), MW-21A (890-1238-10), MW-22 (890-1238-11), MW-23 (890-1238-12), (CCV 880-7869/2), (CCV 880-7869/20), (CCV 880-7869/33), (LCS 880-7869/3), (LCSD 880-7869/4), (MB 880-7869/8), (890-1238-A-1 MS) and (890-1238-A-1 MSD). Evidence of matrix interferences is not obvious.

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

Client Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-3A

Lab Sample ID: 890-1238-1
Matrix: Water
Date Collected: 09/09/21 11:10
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 14:11	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 14:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 14:11	1
o-Xylene	<0.00200	U F1	0.00200	0.000642	mg/L			09/14/21 14:11	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 14:11	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*		*09/14/21 14:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*09/14/21 14:11*	*1*

Client Sample ID: MW-4A

Lab Sample ID: 890-1238-2
Matrix: Water
Date Collected: 09/09/21 09:45
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 14:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 14:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 14:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 14:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 14:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 14:37	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*09/14/21 14:37*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*09/14/21 14:37*	*1*

Client Sample ID: MW-5

Lab Sample ID: 890-1238-3
Matrix: Water
Date Collected: 09/09/21 10:00
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 15:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 15:03	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 15:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 15:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 15:03	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 15:03	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*		*09/14/21 15:03*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*		*09/14/21 15:03*	*1*

Client Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-6

Lab Sample ID: 890-1238-4
Matrix: Water
Date Collected: 09/09/21 10:30
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 15:30	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 15:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 15:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 15:30	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 15:30	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 15:30	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*		*09/14/21 15:30*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*09/14/21 15:30*	*1*

Client Sample ID: MW-10

Lab Sample ID: 890-1238-5
Matrix: Water
Date Collected: 09/09/21 09:30
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 15:56	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 15:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 15:56	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 15:56	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 15:56	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*		*09/14/21 15:56*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*09/14/21 15:56*	*1*

Client Sample ID: MW-11

Lab Sample ID: 890-1238-6
Matrix: Water
Date Collected: 09/09/21 09:00
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 16:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 16:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 16:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 16:22	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 16:22	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 16:22	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*		*09/14/21 16:22*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*09/14/21 16:22*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-17

Lab Sample ID: 890-1238-7
Matrix: Water
Date Collected: 09/08/21 13:15
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 16:48	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 16:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 16:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 16:48	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 16:48	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 16:48	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*		*09/14/21 16:48*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*		*09/14/21 16:48*	*1*

Client Sample ID: MW-18

Lab Sample ID: 890-1238-8
Matrix: Water
Date Collected: 09/08/21 13:50
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 17:14	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 17:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 17:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 17:14	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 17:14	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 17:14	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*		*09/14/21 17:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*09/14/21 17:14*	*1*

Client Sample ID: MW-20

Lab Sample ID: 890-1238-9
Matrix: Water
Date Collected: 09/08/21 12:20
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 17:40	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 17:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 17:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 17:40	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 17:40	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 17:40	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*		*09/14/21 17:40*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*		*09/14/21 17:40*	*1*

Client Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-21A

Lab Sample ID: 890-1238-10
Matrix: Water
Date Collected: 09/08/21 11:45
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 18:07	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 18:07	1
Ethylbenzene	**0.000677**	**J**	0.00200	0.000657	mg/L			09/14/21 18:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 18:07	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 18:07	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 18:07	1
Total BTEX	**0.000677**	**J**	0.00400	0.000657	mg/L			09/14/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*		*09/14/21 18:07*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*		*09/14/21 18:07*	*1*

Client Sample ID: MW-22

Lab Sample ID: 890-1238-11
Matrix: Water
Date Collected: 09/08/21 13:15
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 19:54	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 19:54	1
Ethylbenzene	**0.000967**	**J**	0.00200	0.000657	mg/L			09/14/21 19:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 19:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 19:54	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 19:54	1
Total BTEX	**0.000967**	**J**	0.00400	0.000657	mg/L			09/14/21 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*		*09/14/21 19:54*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*		*09/14/21 19:54*	*1*

Client Sample ID: MW-23

Lab Sample ID: 890-1238-12
Matrix: Water
Date Collected: 09/08/21 13:45
Date Received: 09/09/21 15:20
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 20:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 20:22	1
Ethylbenzene	**0.000805**	**J**	0.00200	0.000657	mg/L			09/14/21 20:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 20:22	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 20:22	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 20:22	1
Total BTEX	**0.000805**	**J**	0.00400	0.000657	mg/L			09/14/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*09/14/21 20:22*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*09/14/21 20:22*	*1*

Surrogate Summary

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

Job ID: 890-1238-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-1238-1	MW-3A	166 S1+	98										
890-1238-1 MS	MW-3A	134 S1+	111										
890-1238-1 MSD	MW-3A	149 S1+	116										
890-1238-2	MW-4A	141 S1+	111										
890-1238-3	MW-5	153 S1+	113										
890-1238-4	MW-6	145 S1+	110										
890-1238-5	MW-10	153 S1+	111										
890-1238-6	MW-11	155 S1+	108										
890-1238-7	MW-17	155 S1+	115										
890-1238-8	MW-18	136 S1+	101										
890-1238-9	MW-20	168 S1+	125										
890-1238-10	MW-21A	164 S1+	115										
890-1238-11	MW-22	150 S1+	87										
890-1238-12	MW-23	123	96										
LCS 880-7869/3	Lab Control Sample	130	103										
LCSD 880-7869/4	Lab Control Sample Dup	120	100										
MB 880-7869/8	Method Blank	84	103										

Surrogate Legend

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

QC Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7869/8
Matrix: Water
Analysis Batch: 7869

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/14/21 13:45	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/14/21 13:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/14/21 13:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/14/21 13:45	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/14/21 13:45	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/14/21 13:45	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/14/21 13:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*		*09/14/21 13:45*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*09/14/21 13:45*	*1*

Lab Sample ID: LCS 880-7869/3
Matrix: Water
Analysis Batch: 7869

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	0.1036		mg/L		104	70 - 130		
Toluene			0.100	0.1158		mg/L		116	70 - 130		
Ethylbenzene			0.100	0.1145		mg/L		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2312		mg/L		116	70 - 130		
o-Xylene			0.100	0.1179		mg/L		118	70 - 130		

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

Lab Sample ID: LCSD 880-7869/4
Matrix: Water
Analysis Batch: 7869

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	0.1082		mg/L		108	70 - 130	4	20
Toluene			0.100	0.1141		mg/L		114	70 - 130	2	20
Ethylbenzene			0.100	0.1149		mg/L		115	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.2324		mg/L		116	70 - 130	1	20
o-Xylene			0.100	0.1185		mg/L		119	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-1238-1 MS
Matrix: Water
Analysis Batch: 7869

Client Sample ID: MW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.1032		mg/L		103	70 - 130		

QC Sample Results

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

Job ID: 890-1238-1
SDG: Lea County NM

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

Lab Sample ID: 890-1238-1 MS
Matrix: Water
Analysis Batch: 7869

Client Sample ID: MW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.100	0.09788		mg/L		98	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1069		mg/L		107	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2179		mg/L		109	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.1137		mg/L		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 890-1238-1 MSD
Matrix: Water
Analysis Batch: 7869

Client Sample ID: MW-3A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1186		mg/L		119	70 - 130	14	25
Toluene	<0.00200	U	0.100	0.1257		mg/L		126	70 - 130	25	25
Ethylbenzene	<0.00200	U	0.100	0.1246		mg/L		125	70 - 130	15	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2535		mg/L		127	70 - 130	15	25
o-Xylene	<0.00200	U F1	0.100	0.1321	F1	mg/L		132	70 - 130	15	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

QC Association Summary

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

Job ID: 890-1238-1
SDG: Lea County NM

GC VOA

Analysis Batch: 7869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1238-1	MW-3A	Total/NA	Water	8021B	
890-1238-2	MW-4A	Total/NA	Water	8021B	
890-1238-3	MW-5	Total/NA	Water	8021B	
890-1238-4	MW-6	Total/NA	Water	8021B	
890-1238-5	MW-10	Total/NA	Water	8021B	
890-1238-6	MW-11	Total/NA	Water	8021B	
890-1238-7	MW-17	Total/NA	Water	8021B	
890-1238-8	MW-18	Total/NA	Water	8021B	
890-1238-9	MW-20	Total/NA	Water	8021B	
890-1238-10	MW-21A	Total/NA	Water	8021B	
890-1238-11	MW-22	Total/NA	Water	8021B	
890-1238-12	MW-23	Total/NA	Water	8021B	
MB 880-7869/8	Method Blank	Total/NA	Water	8021B	
LCS 880-7869/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-7869/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1238-1 MS	MW-3A	Total/NA	Water	8021B	
890-1238-1 MSD	MW-3A	Total/NA	Water	8021B	

Lab Chronicle

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-3A
Date Collected: 09/09/21 11:10
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-1
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	7869	09/14/21 14:11	KL	XEN MID

Client Sample ID: MW-4A
Date Collected: 09/09/21 09:45
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-2
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	7869	09/14/21 14:37	KL	XEN MID

Client Sample ID: MW-5
Date Collected: 09/09/21 10:00
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	7869	09/14/21 15:03	KL	XEN MID

Client Sample ID: MW-6
Date Collected: 09/09/21 10:30
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	7869	09/14/21 15:30	KL	XEN MID

Client Sample ID: MW-10
Date Collected: 09/09/21 09:30
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	7869	09/14/21 15:56	KL	XEN MID

Client Sample ID: MW-11
Date Collected: 09/09/21 09:00
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	7869	09/14/21 16:22	KL	XEN MID

Client Sample ID: MW-17
Date Collected: 09/08/21 13:15
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	7869	09/14/21 16:48	KL	XEN MID

Lab Chronicle

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

Job ID: 890-1238-1
SDG: Lea County NM

Client Sample ID: MW-18
Date Collected: 09/08/21 13:50
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-8
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	7869	09/14/21 17:14	KL	XEN MID

Client Sample ID: MW-20
Date Collected: 09/08/21 12:20
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-9
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	7869	09/14/21 17:40	KL	XEN MID

Client Sample ID: MW-21A
Date Collected: 09/08/21 11:45
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-10
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	7869	09/14/21 18:07	KL	XEN MID

Client Sample ID: MW-22
Date Collected: 09/08/21 13:15
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-11
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	7869	09/14/21 19:54	KL	XEN MID

Client Sample ID: MW-23
Date Collected: 09/08/21 13:45
Date Received: 09/09/21 15:20

Lab Sample ID: 890-1238-12
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	7869	09/14/21 20:22	KL	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 890-1238-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Total BTEX

Method Summary

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

Job ID: 890-1238-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 890-1238-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1238-1	MW-3A	Water	09/09/21 11:10	09/09/21 15:20	N/A
890-1238-2	MW-4A	Water	09/09/21 09:45	09/09/21 15:20	N/A
890-1238-3	MW-5	Water	09/09/21 10:00	09/09/21 15:20	N/A
890-1238-4	MW-6	Water	09/09/21 10:30	09/09/21 15:20	N/A
890-1238-5	MW-10	Water	09/09/21 09:30	09/09/21 15:20	N/A
890-1238-6	MW-11	Water	09/09/21 09:00	09/09/21 15:20	N/A
890-1238-7	MW-17	Water	09/08/21 13:15	09/09/21 15:20	N/A
890-1238-8	MW-18	Water	09/08/21 13:50	09/09/21 15:20	N/A
890-1238-9	MW-20	Water	09/08/21 12:20	09/09/21 15:20	N/A
890-1238-10	MW-21A	Water	09/08/21 11:45	09/09/21 15:20	N/A
890-1238-11	MW-22	Water	09/08/21 13:15	09/09/21 15:20	N/A
890-1238-12	MW-23	Water	09/08/21 13:45	09/09/21 15:20	N/A

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Chain of Custody

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

Work Order No: _____

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Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2002-10273
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal #2 (MTJ #2)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	R.BELL / M.COLLIER	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.8	
Total Containers:		Corrected Temperature:	5.4	

ANALYSIS REQUEST

Pres. Code | Parameters | BTEX 8021B

890-1238 Chain of Custody

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-3A	GW	9-9-21	11:10am	N/A	Grab	3	X
MW-4A			9:45am				
MW-5			10:00am				
MW-6			10:30am				
MW-10			9:30am				
MW-11			9:00am				
MW-17		9-8-21	1:15pm				
MW-18			1:50pm				
MW-20			12:20pm				
MW-21A			11:45am				

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
Maocho@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		9/9/21	2	9.9.21	1520
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2002-10273
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to Jal #2 (MTJ #2)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	R.BELL / M.COLLIER	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10273		

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B
MW-22	GW	9-8-21	1:15 pm	N/A	Grab	3		X
MW-23	"	"	1:45pm	"	"	"		"

Parameters

Preservative Codes

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

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
Maocho@paalp.com

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/9/21	2	9.9.21	1520
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-402 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1238-1
Address: 1211 W Florida Ave	Due Date Requested: 9/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #			
Email	WO #			
Project Name: Moore to Jal #2 (MTJ #2)	Project #: 89000047			
Site	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW-3A (890-1238-1)	9/9/21	11 10 Mountain		Water			X	3	
MW-4A (890-1238-2)	9/9/21	09 45 Mountain		Water			X	3	
MW-5 (890-1238-3)	9/9/21	10 00 Mountain		Water			X	3	
MW-6 (890-1238-4)	9/9/21	10 30 Mountain		Water			X	3	
MW-10 (890-1238-5)	9/9/21	09 30 Mountain		Water			X	3	
MW-11 (890-1238-6)	9/9/21	09 00 Mountain		Water			X	3	
MW-17 (890-1238-7)	9/8/21	13 15 Mountain		Water			X	3	
MW-18 (890-1238-8)	9/8/21	13 50 Mountain		Water			X	3	
MW-20 (890-1238-9)	9/8/21	12 20 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco 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: Cece Cruz 9.10.21	Date/Time	Company	Received by:	Date/Time 9-13-21 930am	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.0 / 2.6

Ver: 06/08/2021

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-402 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1238-1
Address: 1211 W Florida Ave	Due Date Requested: 9/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #2 (MTJ #2)	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, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW-21A (890-1238-10)	9/8/21	11 45 Mountain		Water			X	3	
MW-22 (890-1238-11)	9/8/21	13 15 Mountain		Water			X	3	
MW-23 (890-1238-12)	9/8/21	13 45 Mountain		Water			X	3	

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

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

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cloe Cuff 9.10.21				9-13 21 9:30am	
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	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: 2.1 12.6

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1238-1
SDG Number: Lea County NM

Login Number: 1238
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1238-1
SDG Number: Lea County NM

Login Number: 1238
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 09/13/21 09:25 AM

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	2.1 / 2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1673-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal 2

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

Attn: David Adkins

JKRAMER

Authorized for release by:
12/9/2021 7:11:19 PM

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

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

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

Client: Talon/LPE
Project/Site: Moore to Jal 2

Laboratory Job ID: 890-1673-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Job ID: 890-1673-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1673-1

Receipt
The samples were received on 12/2/2021 2:57 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

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

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-21A
Lab Sample ID: 890-1673-1
Date Collected: 12/02/21 10:00
Matrix: Water
Date Received: 12/02/21 14:57

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 20:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 20:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 20:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 20:22	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 20:22	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*12/07/21 20:22*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*12/07/21 20:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-20
Lab Sample ID: 890-1673-2
Date Collected: 12/02/21 10:30
Matrix: Water
Date Received: 12/02/21 14:57

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 20:48	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 20:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 20:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 20:48	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 20:48	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*		*12/07/21 20:48*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*		*12/07/21 20:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-4A
Lab Sample ID: 890-1673-3
Date Collected: 12/02/21 11:45
Matrix: Water
Date Received: 12/02/21 14:57

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 21:14	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 21:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 21:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 21:14	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 21:14	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 21:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*0.008*	*S1-*	*70 - 130*		*12/07/21 21:14*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*		*12/07/21 21:14*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-4A
Date Collected: 12/02/21 11:45
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-3
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-3A
Date Collected: 12/02/21 12:15
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 21:40	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 21:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 21:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 21:40	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 21:40	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*		*12/07/21 21:40*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*		*12/07/21 21:40*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-18
Date Collected: 12/02/21 11:45
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 23:26	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 23:26	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 23:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 23:26	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 23:26	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*		*12/07/21 23:26*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*12/07/21 23:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-17
Date Collected: 12/02/21 12:15
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-6
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 23:53	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 23:53	1

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-17

Lab Sample ID: 890-1673-6
Date Collected: 12/02/21 12:15
Matrix: Water
Date Received: 12/02/21 14:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 23:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 23:53	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 23:53	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*12/07/21 23:53*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*		*12/07/21 23:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-5

Lab Sample ID: 890-1673-7
Date Collected: 12/02/21 10:20
Matrix: Water
Date Received: 12/02/21 14:57

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00126**	**J**	0.00200	0.000408	mg/L			12/08/21 00:19	1
Toluene	**0.00239**		0.00200	0.000367	mg/L			12/08/21 00:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/08/21 00:19	1
m-Xylene & p-Xylene	**0.00193**	**J**	0.00400	0.000629	mg/L			12/08/21 00:19	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/08/21 00:19	1
Xylenes, Total	**0.00193**	**J**	0.00400	0.000642	mg/L			12/08/21 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*		*12/08/21 00:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*12/08/21 00:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00558**		0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-10

Lab Sample ID: 890-1673-8
Date Collected: 12/02/21 09:50
Matrix: Water
Date Received: 12/02/21 14:57

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/08/21 00:46	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/08/21 00:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/08/21 00:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/08/21 00:46	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/08/21 00:46	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/08/21 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*12/08/21 00:46*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*12/08/21 00:46*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-10
Date Collected: 12/02/21 09:50
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-8
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-11
Date Collected: 12/02/21 09:30
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-9
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/08/21 01:13	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/08/21 01:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/08/21 01:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/08/21 01:13	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/08/21 01:13	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/08/21 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*		*12/08/21 01:13*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*		*12/08/21 01:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/09/21 09:17	1

Client Sample ID: MW-6
Date Collected: 12/02/21 11:20
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-10
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00713**		0.00200	0.000408	mg/L			12/08/21 01:39	1
Toluene	**0.00356**		0.00200	0.000367	mg/L			12/08/21 01:39	1
Ethylbenzene	**0.000959**	**J**	0.00200	0.000657	mg/L			12/08/21 01:39	1
m-Xylene & p-Xylene	**0.00329**	**J**	0.00400	0.000629	mg/L			12/08/21 01:39	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/08/21 01:39	1
Xylenes, Total	**0.00329**	**J**	0.00400	0.000642	mg/L			12/08/21 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*12/08/21 01:39*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*12/08/21 01:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0149**		0.00400	0.000657	mg/L			12/09/21 09:17	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-8958-A-4 MS	Matrix Spike	160 S1+	53 S1-
880-8958-A-4 MSD	Matrix Spike Duplicate	124	72
890-1673-1	MW-21A	115	102
890-1673-2	MW-20	121	117
890-1673-3	MW-4A	0.008 S1-	120
890-1673-4	MW-3A	133 S1+	128
890-1673-5	MW-18	133 S1+	100
890-1673-6	MW-17	118	119
890-1673-7	MW-5	120	108
890-1673-8	MW-10	113	96
890-1673-9	MW-11	136 S1+	127
890-1673-10	MW-6	109	110
LCS 880-13998/65	Lab Control Sample	124	122
LCSD 880-13998/66	Lab Control Sample Dup	105	102
MB 880-13998/70	Method Blank	73	108
MB 880-14063/5-A	Method Blank	65 S1-	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13998/70
Matrix: Water
Analysis Batch: 13998

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 17:19	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 17:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 17:19	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 17:19	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*		*12/07/21 17:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*12/07/21 17:19*	*1*

Lab Sample ID: LCS 880-13998/65
Matrix: Water
Analysis Batch: 13998

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	0.1096		mg/L		110	70 - 130		
Toluene			0.100	0.09890		mg/L		99	70 - 130		
Ethylbenzene			0.100	0.1043		mg/L		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2252		mg/L		113	70 - 130		
o-Xylene			0.100	0.1105		mg/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-13998/66
Matrix: Water
Analysis Batch: 13998

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	0.09960		mg/L		100	70 - 130	10	20
Toluene			0.100	0.09593		mg/L		96	70 - 130	3	20
Ethylbenzene			0.100	0.09819		mg/L		98	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.2116		mg/L		106	70 - 130	6	20
o-Xylene			0.100	0.1043		mg/L		104	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-8958-A-4 MS
Matrix: Water
Analysis Batch: 13998

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.00600	F1	0.100	0.06647	F1	mg/L		60	70 - 130		
Toluene	0.0314		0.100	0.1078		mg/L		76	70 - 130		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

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

Lab Sample ID: 880-8958-A-4 MS
Matrix: Water
Analysis Batch: 13998

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.0148		0.100	0.09432		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.0476		0.200	0.2329		mg/L		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.07838		mg/L		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*53*	*S1-*	*70 - 130*

Lab Sample ID: 880-8958-A-4 MSD
Matrix: Water
Analysis Batch: 13998

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00600	F1	0.100	0.06390	F1	mg/L		58	70 - 130	4	25
Toluene	0.0314		0.100	0.1208		mg/L		89	70 - 130	11	25
Ethylbenzene	0.0148		0.100	0.1064		mg/L		92	70 - 130	12	25
m-Xylene & p-Xylene	0.0476		0.200	0.2348		mg/L		94	70 - 130	1	25
o-Xylene	<0.00200	U	0.100	0.07619		mg/L		76	70 - 130	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*

Lab Sample ID: MB 880-14063/5-A
Matrix: Water
Analysis Batch: 13998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		12/06/21 13:31	12/07/21 03:17	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		12/06/21 13:31	12/07/21 03:17	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		12/06/21 13:31	12/07/21 03:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		12/06/21 13:31	12/07/21 03:17	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		12/06/21 13:31	12/07/21 03:17	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L		12/06/21 13:31	12/07/21 03:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*12/06/21 13:31*	*12/07/21 03:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/06/21 13:31*	*12/07/21 03:17*	*1*

QC Association Summary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

GC VOA

Analysis Batch: 13998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1673-1	MW-21A	Total/NA	Water	8021B	
890-1673-2	MW-20	Total/NA	Water	8021B	
890-1673-3	MW-4A	Total/NA	Water	8021B	
890-1673-4	MW-3A	Total/NA	Water	8021B	
890-1673-5	MW-18	Total/NA	Water	8021B	
890-1673-6	MW-17	Total/NA	Water	8021B	
890-1673-7	MW-5	Total/NA	Water	8021B	
890-1673-8	MW-10	Total/NA	Water	8021B	
890-1673-9	MW-11	Total/NA	Water	8021B	
890-1673-10	MW-6	Total/NA	Water	8021B	
MB 880-13998/70	Method Blank	Total/NA	Water	8021B	
MB 880-14063/5-A	Method Blank	Total/NA	Water	8021B	14063
LCS 880-13998/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-13998/66	Lab Control Sample Dup	Total/NA	Water	8021B	
880-8958-A-4 MS	Matrix Spike	Total/NA	Water	8021B	
880-8958-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Prep Batch: 14063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14063/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 14350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1673-1	MW-21A	Total/NA	Water	Total BTEX	
890-1673-2	MW-20	Total/NA	Water	Total BTEX	
890-1673-3	MW-4A	Total/NA	Water	Total BTEX	
890-1673-4	MW-3A	Total/NA	Water	Total BTEX	
890-1673-5	MW-18	Total/NA	Water	Total BTEX	
890-1673-6	MW-17	Total/NA	Water	Total BTEX	
890-1673-7	MW-5	Total/NA	Water	Total BTEX	
890-1673-8	MW-10	Total/NA	Water	Total BTEX	
890-1673-9	MW-11	Total/NA	Water	Total BTEX	
890-1673-10	MW-6	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-21A
Date Collected: 12/02/21 10:00
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-1
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	13998	12/07/21 20:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-20
Date Collected: 12/02/21 10:30
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-2
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	13998	12/07/21 20:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-4A
Date Collected: 12/02/21 11:45
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 21:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-3A
Date Collected: 12/02/21 12:15
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 21:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-18
Date Collected: 12/02/21 11:45
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 23:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-17
Date Collected: 12/02/21 12:15
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 23:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Client Sample ID: MW-5

Date Collected: 12/02/21 10:20
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/08/21 00:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-10

Date Collected: 12/02/21 09:50
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-8
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	13998	12/08/21 00:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-11

Date Collected: 12/02/21 09:30
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-9
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	13998	12/08/21 01:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Client Sample ID: MW-6

Date Collected: 12/02/21 11:20
Date Received: 12/02/21 14:57

Lab Sample ID: 890-1673-10
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	13998	12/08/21 01:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Moore to Jal 2

Job ID: 890-1673-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1673-1	MW-21A	Water	12/02/21 10:00	12/02/21 14:57
890-1673-2	MW-20	Water	12/02/21 10:30	12/02/21 14:57
890-1673-3	MW-4A	Water	12/02/21 11:45	12/02/21 14:57
890-1673-4	MW-3A	Water	12/02/21 12:15	12/02/21 14:57
890-1673-5	MW-18	Water	12/02/21 11:45	12/02/21 14:57
890-1673-6	MW-17	Water	12/02/21 12:15	12/02/21 14:57
890-1673-7	MW-5	Water	12/02/21 10:20	12/02/21 14:57
890-1673-8	MW-10	Water	12/02/21 09:50	12/02/21 14:57
890-1673-9	MW-11	Water	12/02/21 09:30	12/02/21 14:57
890-1673-10	MW-6	Water	12/02/21 11:20	12/02/21 14:57

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: _____

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Project Manager:	D. Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas St.	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2002-10273
Phone:	575-441-4835 Email:	dadkins@talonlpe.com	

Work Order Comments

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

Project Name:	Moore to Tal 2	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea county	Due Date:	
Sampler's Name:	RoyBell/Art Parra	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10273		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	T-nm-a2	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.8	
Total Containers:		Corrected Temperature:	2.6	

ANALYSIS REQUEST

Pres. Code

Parameters: BTEX 8021B

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Sample Comments
MW-21A	GW	12/2/21	10:00			3	Email Analyticals to: CJBryant@Paalp.com ALGroves@paalp.com MaOchoa@paalp.com
MW-20			10:30				
MW-4A			11:45				
MW-3A			12:15				
MW-18			11:45				
MW-17			12:15				
MW-5			10:20				
MW-10			9:50				
MW-11			9:30				
MW-6			11:20				

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 RoyBell	N.	11/2/21 2:57	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1673-1
SDG Number: Lea County

Login Number: 1673
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1673-1
SDG Number: Lea County

Login Number: 1673
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 12/06/21 08:21 AM

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

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 92568

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 92568
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor recommendations approved and are as follows; 1. Continue operation and maintenance of the groundwater recovery system 2. Perform quarterly groundwater monitoring events in accordance with NMOCD directives 3. Submit annual report to NMOCD no later than March 31,2023.	8/3/2022