Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory**
Contractor recommendations approved and are as follows;
1. Continue operation and maintenance of the total fluid pumps recovery system
2. Continue MDPE events as necessary
3. Perform groundwater monitoring events in accordance with NMOCD directives
4. 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 #1
LEA COUNTY, NEW MEXICO
SRS #2002—10270
NMOCD REF. # AP-91, nAPP2109526205

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

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MARCH 7, 2022

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

TABLE OF CONTENTS

1.0 INTRODUCTION AND OBJECTIVES 1
1.1 Site Background 1
1.2 Site Geology 1
1.3 Previous Environmental Investigations 2
1.4 Regulatory Framework 4
2.0 SITE ACTIVITIES 5
2.1 Groundwater Monitoring Activities 5
2.2 Groundwater Gauging, Purging, and Sampling Procedures 6
2.3 Phase Separated Hydrocarbon Recovery 6
3.0 GROUNDWATER MONITORING RESULTS 8
3.1 Physical Characteristics of the First Water-Bearing Zone 8
3.2 Groundwater Gradient and Flow Direction 8
3.3 Phase Separated Hydrocarbon 9
3.4 Groundwater Analytical Results 9
4.0 CONCLUSIONS AND RECOMMENDATIONS 12
4.1 Summary of Findings 12
4.2 Recommendations 12

APPENDICES

Appendix A Figures

Figure 1 - Site Plan
Figure 2a - Groundwater Gradient Map - 03/08/2021
Figure 2b - Groundwater Gradient Map – 06/23-25/2021
Figure 2c - Groundwater Gradient Map – 09/10, 30/2021
Figure 2d - Groundwater Gradient Map – 12/03, 07/2021
Figure 3a - PSH Thickness & Groundwater Concentration Map - 03/08-09, 29/2021
Figure 3b - PSH Thickness & Groundwater Concentration Map – 06/23-25/2021
Figure 3c - PSH Thickness & Groundwater Concentration Map – 09/13-14, 30/2021
Figure 3d - PSH Thickness & Groundwater Concentration Map – 12/07-08/2021

Appendix B Tables

Table 1 - Summary of Historical Fluid Level Measurements
Table 2 - Summary of Groundwater Analytical Results for BTEX
Table 3 - Summary of Groundwater Analytical Results for PAH

Appendix C Laboratory Analytical Data Reports and Chain of Custody Documentation

1.0 INTRODUCTION AND OBJECTIVES

1.1 Site Background

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

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

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

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

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

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

1.2 Site Geology

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

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern

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

1.3 Previous Environmental Investigations

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

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

During the year 2010, a total of 11 specific gravity skimmers with bladder pumps were in operation in monitor wells MW-2, MW-3, MW-5, MW-7 through MW-13, and MW-15. In addition, a total of three (3) total fluids pumps were operating in monitor wells MW-1A, MW-4A, and MW-6. Also, during 2010, 16 monitor wells were installed at the site (MW-21 through MW-36) to further delineate the PSH and dissolved-phase plumes. Monitor wells MW-24, MW-25, and MW-30 through MW-31 were impacted with PSH. Two (2) skimmers were added to the system in monitor wells MW-24 and MW-25 in October of 2010.

A transfer system was installed during the year 2011 that is designed to pump recovered groundwater from the site to the Apollo salt water disposal (SWD) facility, thereby, eliminating the need to haul water to a disposal facility with a vacuum truck. The system 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 Moore to Jal #2 site through the Moore to Jal #1 site, to the C.S. Caylor site, where it is connected to the HDPE line that runs from the Caylor site to the Apollo SWD facility. A 5-HP transfer pump is used to impel the water down the HDPE line.

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

During the year 2012, a total of 12 specific gravity skimmers and bladder pumps operated in monitor wells MW-2, MW-3, MW-5, MW-8 through MW-13, MW-15, MW-24, and MW-25.

In addition, a total of seven (7) total fluids pumps operated in monitor wells MW-1A, MW-4A, MW-6, MW-7, MW-30, MW-31, and MW-33 during 2012.

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

For the first time at this facility, three (3) mobile dual-phase extraction (MDPE) events were conducted on October 10, 2017, November1, 2017, and December 7, 2017. A total of 61.7 barrels of PSH were recovered consisting of 47.5 bbls of liquid PSH and 14.2 bbls of vapor.

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

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

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

1.4 Regulatory Framework

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

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

The sections that follow provide summaries of the four (4) quarterly groundwater monitoring events conducted at the subject site as well as analytical results from each groundwater sampling event of 2021. Analytical results for the four (4) sampling events are summarized in Table 2 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C. Historic fluid level measurements are included on Table 1 in Appendix B and gradient maps are provided as Figures 2a through 2d in Appendix A.

2.0 SITE ACTIVITIES

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

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon during this twelve-month period: March 2021, June 2021, September 2021, and December 2021.

During the March 2021 groundwater monitoring event, all recovery/monitor wells were gauged. Sixteen (16) monitor wells (MW-14, MW-17, MW-21 through MW-23, MW-26 through MW-28, and MW-34 through MW-41) were purged and sampled. Twelve (12) monitor wells (MW-4A, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Eight (8) monitor wells (MW-1A, MW-2, MW-3, MW-5, MW-7, MW-9, MW-15, and MW-18) were dry when gauged and three (3) monitor wells (MW-6, MW-13, MW-29) had an obstruction; therefore, the wells were not purged or sampled. Two (2) monitor wells (MW-19 and MW-20) were gauged, but not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2021 groundwater monitoring event, all recovery/monitor wells were gauged. Fourteen (14) monitor wells (MW-14, MW-21 through MW-23, MW-26, MW-27, and MW-34 through MW-41) were purged and sampled. Twelve (12) monitor wells (MW-4A, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Ten (10) monitor wells (MW-1A, MW-2, MW-3, MW-5, MW-7, MW-9, MW-15, and MW-18 through MW-20) were dry when gauged, and three (3) monitor well (MW-6, MW-13, and MW-29) had an obstruction; therefore, the wells were not sampled. Two (2) wells (MW-17 and MW-28) had insufficient water; therefore, the wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2021 groundwater monitoring event, all recovery/monitor wells were gauged. Fourteen (14) monitor wells (MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41) were purged and sampled. Thirteen (13) monitor wells (MW-4A, MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Ten (10) monitor wells (MW-1A, MW-2, MW-3, MW-7, MW-9, MW-15, MW-18 through MW-20, and MW-28) were dry when gauged; therefore, the wells were not purged or sampled. Two (2) wells (MW-5 and MW-13) had an obstruction; therefore, the wells were not purged or sampled. Two (2) wells (MW-17 and MW-23) had insufficient water; therefore, the wells were not purged or sampled. Details

of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2021 groundwater monitoring event, all recovery/monitor wells were gauged. Fourteen (14) monitor wells (MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41) were purged and sampled. Twelve (12) monitor wells (MW-4A, MW-6, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Thirteen (13) monitor wells (MW-1A, MW-2, MW-3, MW-5, MW-7 through MW-9, MW-15, MW-18 through MW-20, MW-23, and MW-28) were dry when gauged; therefore, the wells were not purged or sampled. One (1) monitor well (MW-17) had insufficient water to purge or sample; therefore, the well was not purged or sampled. One (1) monitor well (MW-13) was obstructed; therefore, the well was not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

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

Subsequent to gauging, all monitor wells were purged using a down-hole pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox® detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in on-site 55-gallon drums. After the groundwater monitoring event, all retained water was deposited into recovery tank, and sent to the disposal facility via the onsite transfer system.

Groundwater samples were collected from all monitor wells that were not impacted with PSH using dedicated disposable polyethylene bailers. The groundwater samples were contained in laboratory supplied 40-ml VOA sample vials with the appropriate preservative required for the analysis requested. The groundwater samples were maintained on ice, in the custody of Talon personnel, until they were delivered to Xenco Laboratories, Inc. in Midland, Texas for analyses. The groundwater samples collected during all four events were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B. Groundwater samples collected from MW-27 and MW-34 through MW-36 during the March 2021 event were also analyzed for polyaromatic hydrocarbons (PAH) by EPA Method 8270D.

2.3 Phase Separated Hydrocarbon Recovery

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

During the year 2021, fifteen (15) monitor wells were pumped for PSH: MW-4A, MW-6, MW-8, MW-10, MW-11, MW-12, MW-13, MW-16, MW-24, MW-25, MW-29, MW-30, MW-31, MW-32, and MW-33.

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

Currently, PSH recovered by the total fluids pumps is discharged to an on-site frac tank, which is gauged for the accumulation of water and PSH on a weekly basis. Upon reaching an established level in the holding tank, the PSH and recovered water engages a head pressure switch which in turn operates a fluid transfer pump. When the pump is engaged, the recovered fluids are transferred to a 4-inch HDPE line co-mingling with recovered fluids from the Moore to Jal #2 and C.S. Caylor groundwater recovery systems. A 5-HP transfer pump then moves water to the Apollo SWD System for disposal.

During 2021, the quarterly PSH and groundwater recovery totals from the system are as follows:

- 1st Quarter – 22.29 bbls crude oil and 1,617.0 bbls of groundwater
- 2nd Quarter – 12.95 bbls crude oil and 1,213.0 bbls of groundwater
- 3rd Quarter – 9.23 bbls crude oil and 641 bbls of groundwater
- 4th Quarter – 0 bbls of crude oil and 0 bbls of groundwater

The groundwater system was shut in during the 4th Quarter of 2021 due to electrical system repairs, back ordered electrical parts and supply chain delays.

In addition to system recovery, four (4) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2021. The MDPE event recovery totals are as follows:

- February 2021 – 3.60 bbls vapor, 10.96 bbls liquid
- June 2021 – 4.77 bbls vapor, 12.30 bbls liquid
- August 12, 2021 – 4.04 bbls vapor, 15.22 bbls liquid
- November 22, 2021– 1.51 bbls vapor, 19.26 bbls liquid

Approximately 116.13 bbls of PSH were recovered in 2021 and a total of approximately 2,979.66 bbls of PSH have been recovered at the subject site to date.

3.0 GROUNDWATER MONITORING RESULTS

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

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface generally mirrors the land surface elevation with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven (7) inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically ranged from 76 to 95 feet below ground surface, and the groundwater flow direction is to the southeast at an average of 20 feet per mile.

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

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements were collected during each of the four (4) groundwater monitoring events during the year 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 were used to construct potentiometric surface maps in order to interpret the groundwater gradient and flow direction. The maps, designated Figures 2a through 2d, are presented in Appendix A.

The potentiometric surface maps constructed for each of the four (4) groundwater monitoring events indicate that the groundwater flow direction is to the southeast at an average gradient of 0.0042 feet per foot or approximately 22.18 feet per mile. Groundwater levels at the subject

site have exhibited a steady decrease of an average of 1.54 feet for the year 2021. Average groundwater levels have declined approximately 10.74 feet across the site since 2017.

3.3 Phase Separated Hydrocarbon

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

- In March 2021, PSH was observed in 12 monitor wells; MW-4A, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.01 feet in MW-24 to 5.04 feet in MW-10.
- In June 2021, PSH was observed in 12 monitor wells; MW-4A, MW-8, MW-10 through MW-13, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.02 feet in MW-16 to 2.52 feet in MW-10.
- In September 2021, PSH was observed in 13 monitor wells; MW-4A, MW-6, MW-8, MW-10, MW-11, MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.02 feet in MW-16 to 5.29 feet in MW-6.
- In December 2021, PSH was observed in 12 monitor wells MW-4A, MW-6, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.01 feet in MW-16, MW-24 and MW-25 to 3.15 feet in MW-10.

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

3.4 Groundwater Analytical Results

During the March 2021 event, groundwater samples were collected from sixteen (16) monitor wells: MW-14, MW-17, MW-21 through MW-23, MW-26 through MW-28, and MW-34 through MW-41.

- Benzene concentrations ranged from less than the laboratory method detection limit (MDL) in wells MW-17, MW-23, MW-27, MW-28, MW-34 through MW-38, and MW-41 to 13.7 mg/L in MW-40. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-14, MW-39, and MW-40.
- Toluene concentrations were less than the laboratory MDL in all wells except MW-40, which had a concentration of 0.00556 mg/L. 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-14 and MW-40, which had concentrations of 0.000214 mg/L and 0.106 mg/L, respectively. 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-40, which had a concentration of 0.0618 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.
- PAH concentrations were less than the laboratory MDL for all analytes in MW-27, and MW-34 through MW-36.

During the June 2021 event, groundwater samples were collected from fourteen (14) monitor wells: MW-14, MW-21 through MW-23, MW-26, MW-27, and MW-34 through MW-41.

- Benzene concentrations ranged from less than the laboratory MDL in MW-21, MW-22, MW-26, MW-27, MW-34, and MW-37 to 25.5 mg/L in MW-40. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor wells MW-39 and MW-40.
- Toluene concentrations ranged from less than the laboratory MDL in MW-37, MW-38, and MW-40 to 0.00340 mg/L in MW-36. 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 ranged from less than the laboratory MDL in all wells except for MW-40, which had a concentration of 0.109 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-36, which had a concentration of 0.000920 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.

During the September 2021 event, groundwater samples were collected from fourteen (14) monitor wells: MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41.

- Benzene concentrations ranged from less than the laboratory MDL in MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-38 to 24.7 mg/L in MW-40. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor well MW-40.
- Toluene concentrations were less than the laboratory MDL in all wells. 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-14, MW-38, and MW-40, which had concentrations of 0.000943 mg/L, 0.00136 mg/L and 0.394 mg/L, respectively. 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-14, which had a concentration of 0.000773 mg/L. Xylene concentrations did not exceed

the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor well sampled this quarter.

During the December 2021 event, groundwater samples were collected from fourteen (14) monitor wells: MW-14, MW-21, MW-22, MW-26, MW-27, MW-29, and MW-34 through MW-41.

- Benzene concentrations were less than the laboratory MDL in all wells except MW-14, which had a concentration of 0.00103 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells sampled during the quarter.
- Toluene concentrations were less than the laboratory MDL in all wells except MW-14, which had a concentration of 0.000679 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the groundwater monitoring wells sampled during the quarter.
- Ethylbenzene concentrations were less the laboratory MDL in all wells. 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 the laboratory MDL in all wells. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled during the quarter.

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

4.0 CONCLUSIONS AND RECOMMENDATIONS

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

4.1 Summary of Findings

- The groundwater flow direction is to southeast at an approximate gradient of 0.0042 feet per foot.
- Groundwater levels at the subject site have exhibited a decrease of approximately 1.54 feet for the year 2021.
- PSH thicknesses have generally fluctuated during the year 2021.
- Dissolved-phase benzene concentrations decreased in monitor wells MW-14 and MW-39.
- The groundwater recovery system and four (4) MDPE events removed 116.13 bbls of crude oil during 2021.
- The NMOCD has approved the discontinuation of PAH sampling events from all monitoring wells.

4.2 Recommendations

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

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

APPENDIX A

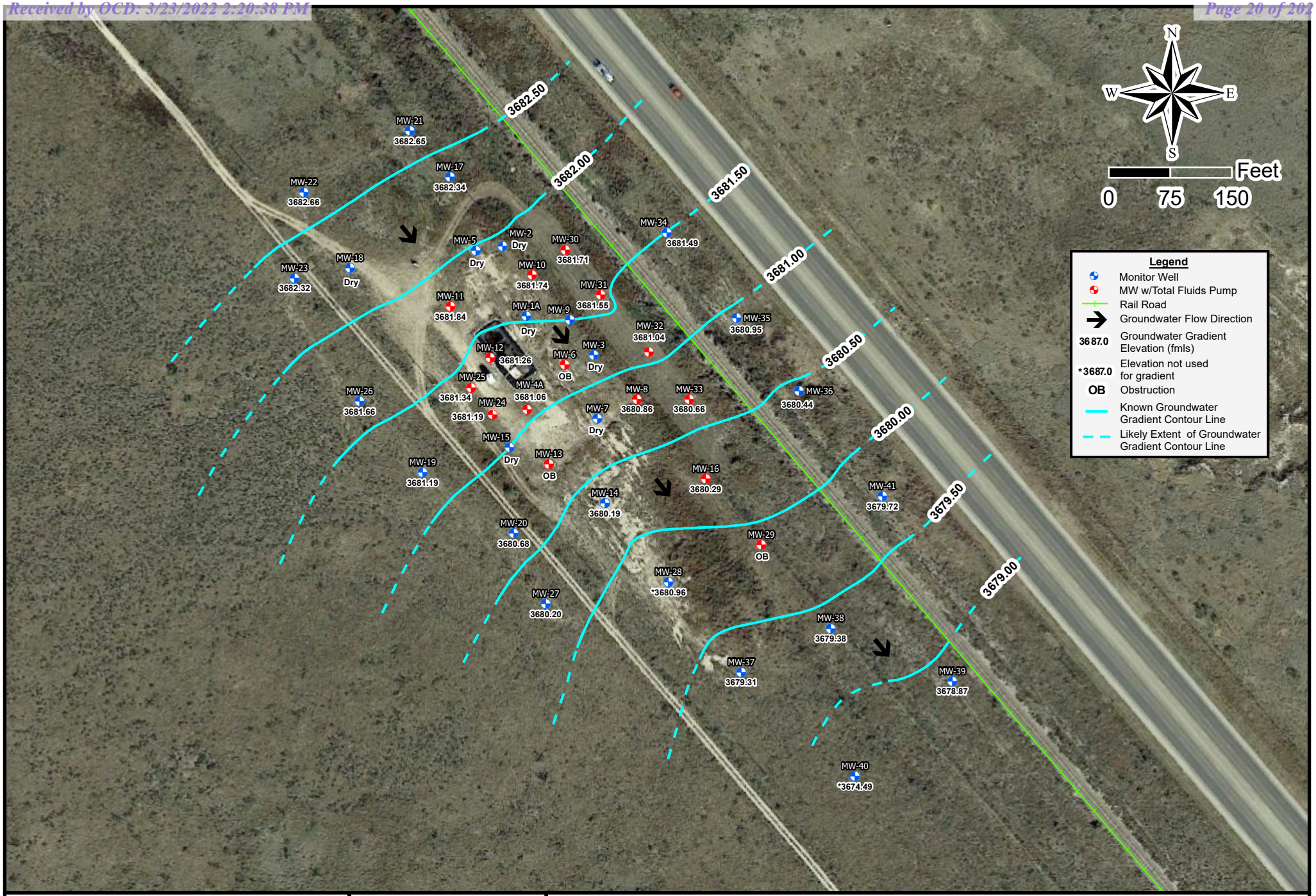
Figures

Figure 1 - Site Plan
Figure 2a - Groundwater Gradient Map - 03/08/2021
Figure 2b - Groundwater Gradient Map – 06/23-25/2021
Figure 2c - Groundwater Gradient Map – 09/10, 30/2021
Figure 2d - Groundwater Gradient Map – 12/03, 07/2021
Figure 3a - PSH Thickness & Groundwater Concentration Map - 03/08-09, 29/2021
Figure 3b - PSH Thickness & Groundwater Concentration Map – 06/23-25/2021
Figure 3c - PSH Thickness & Groundwater Concentration Map – 09/13-14, 30/2021
Figure 3d - PSH Thickness & Groundwater Concentration Map – 12/07-08/2021

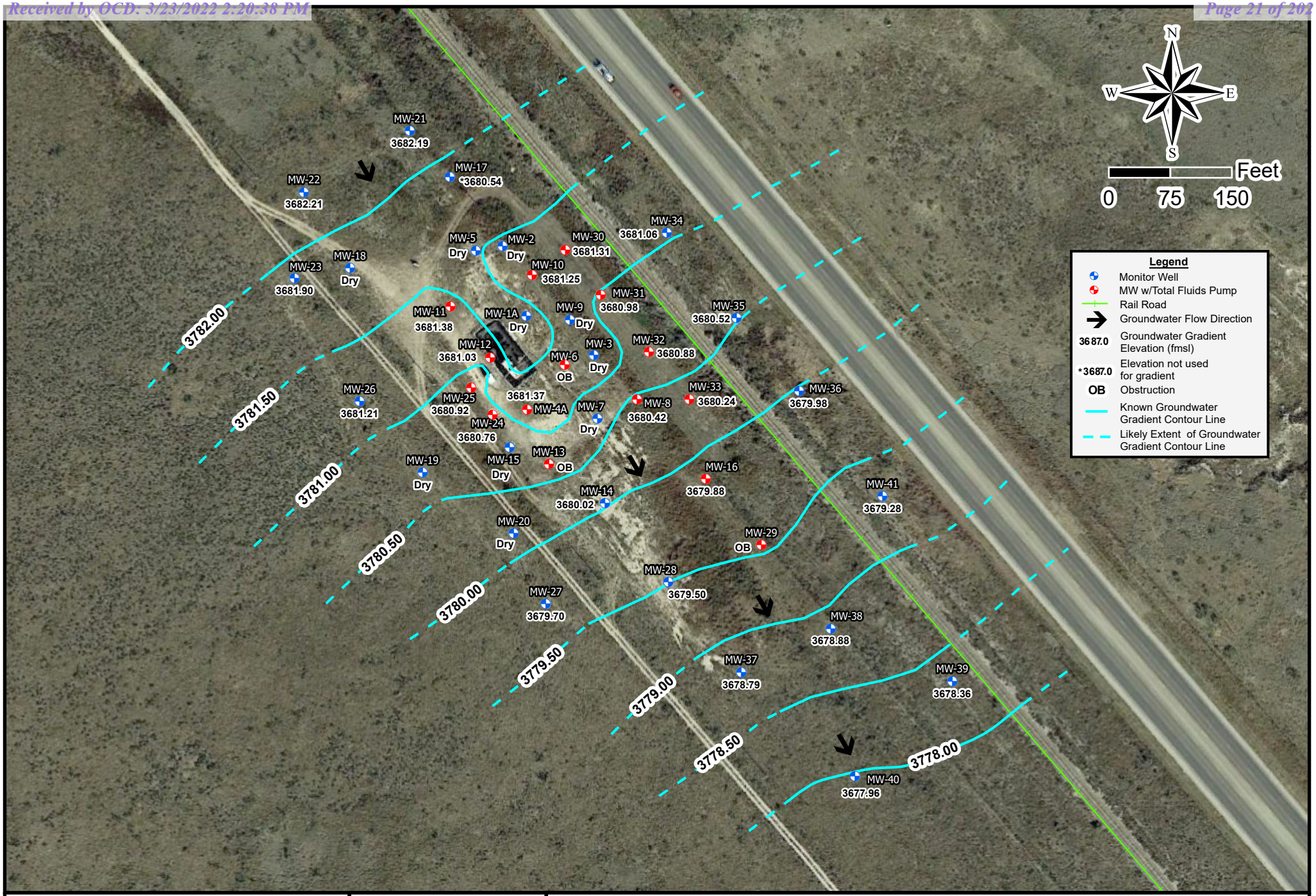
TALON LPE

Drafted: 5/26/2021
1 in = 150 ft
Drafted By: JAI

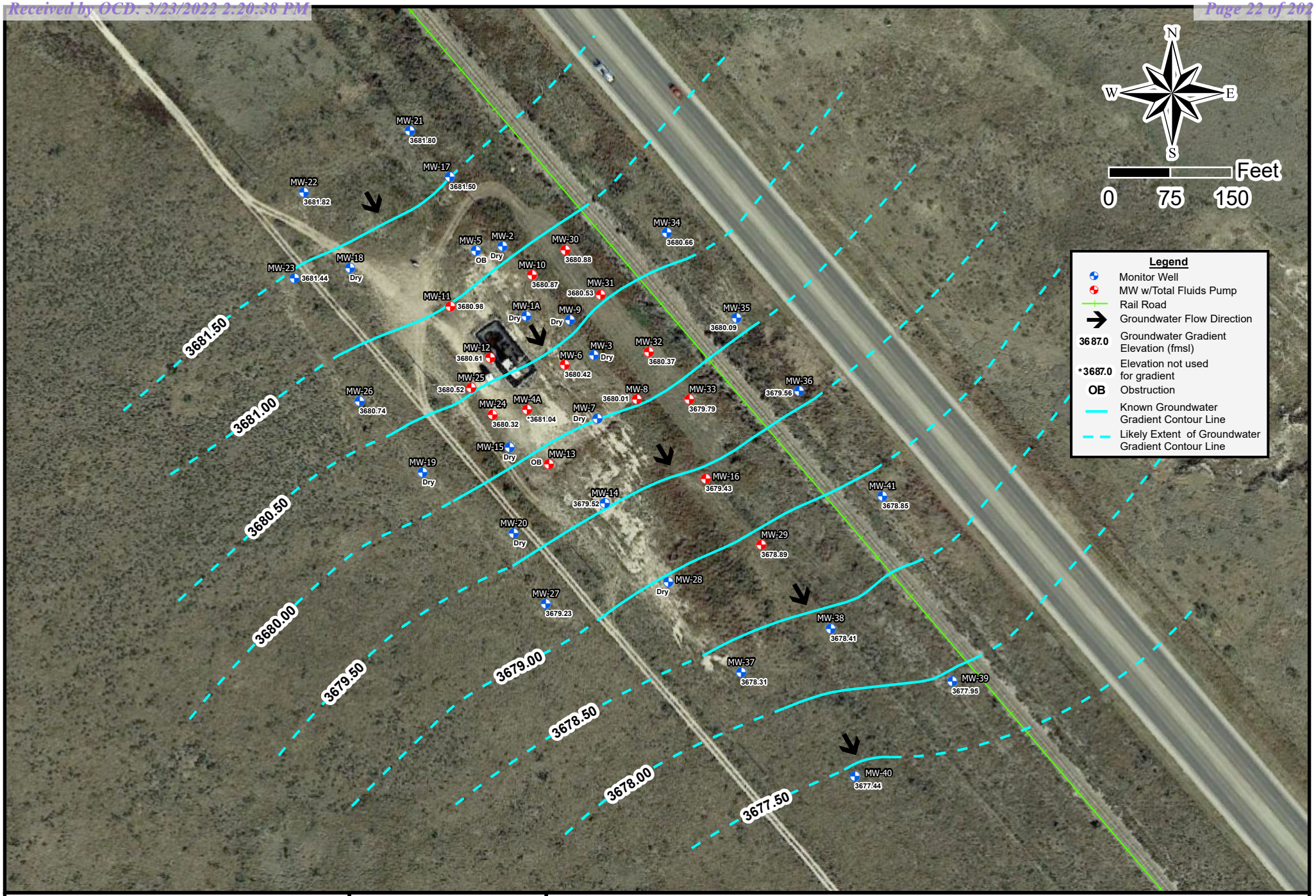
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 1 - Site Plan



TALON LPE	Drafted: 2/4/2022 1 in = 150 ft Drafted By: JAI	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 2a - Groundwater Gradient Map (03/08/2021)



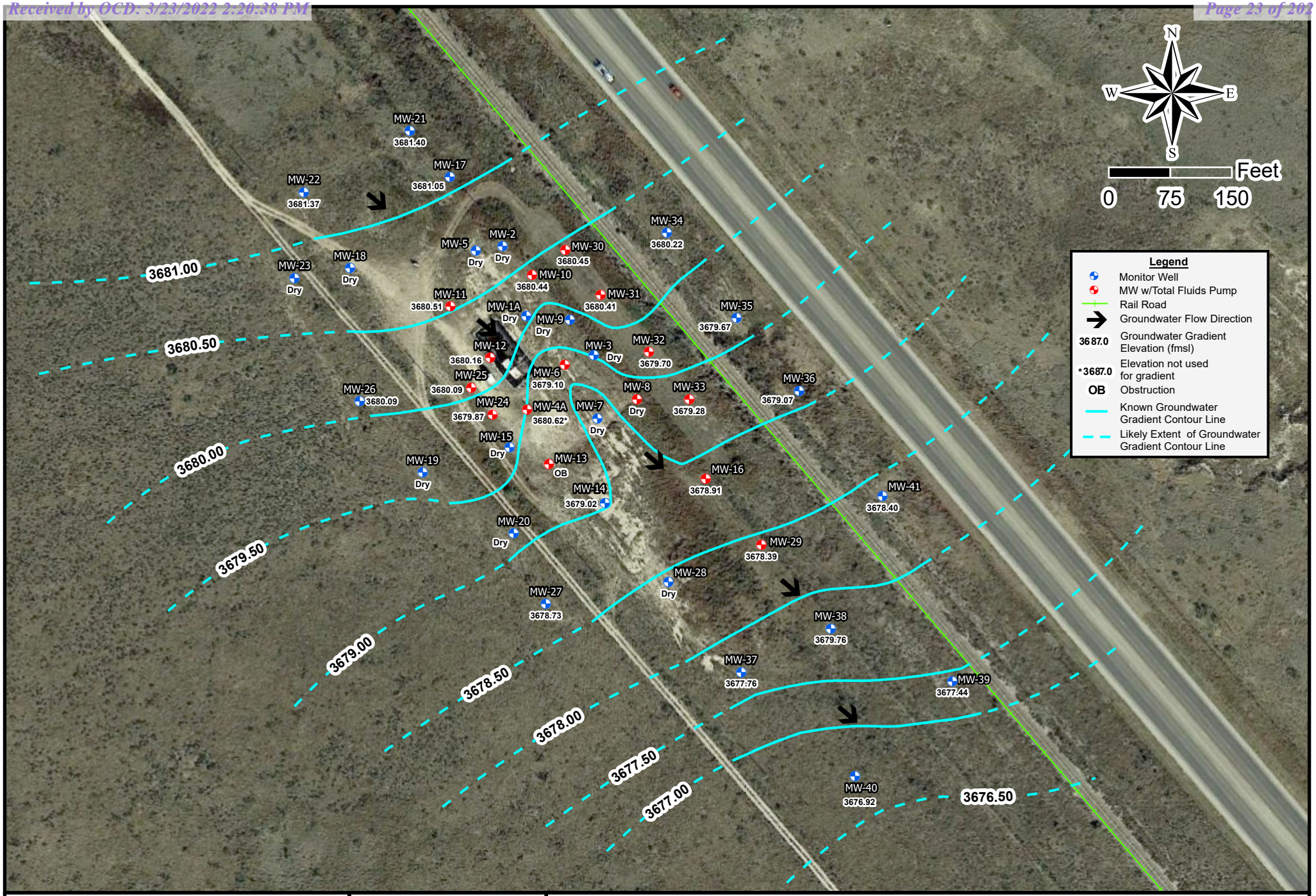
TALON LPE	Drafted: 2/2/2022 1 in = 150 ft Drafted By: IJR	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 2b - Groundwater Gradient Map (06/23-25/2021)



TALON LPE

Drafted: 2/2/2022
1 in = 150 ft
Drafted By: IJR

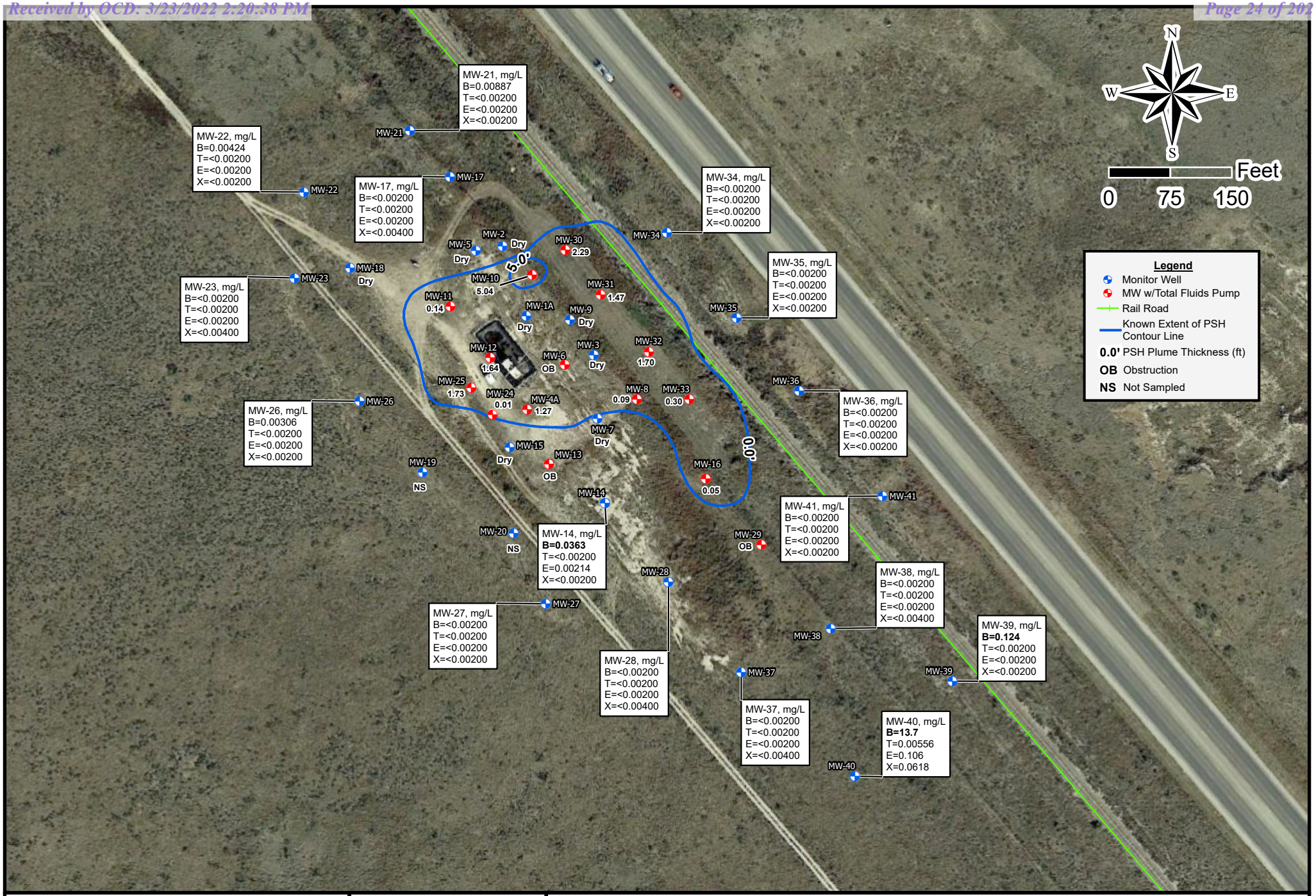
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2c - Groundwater Gradient Map (09/10, 30/2021)



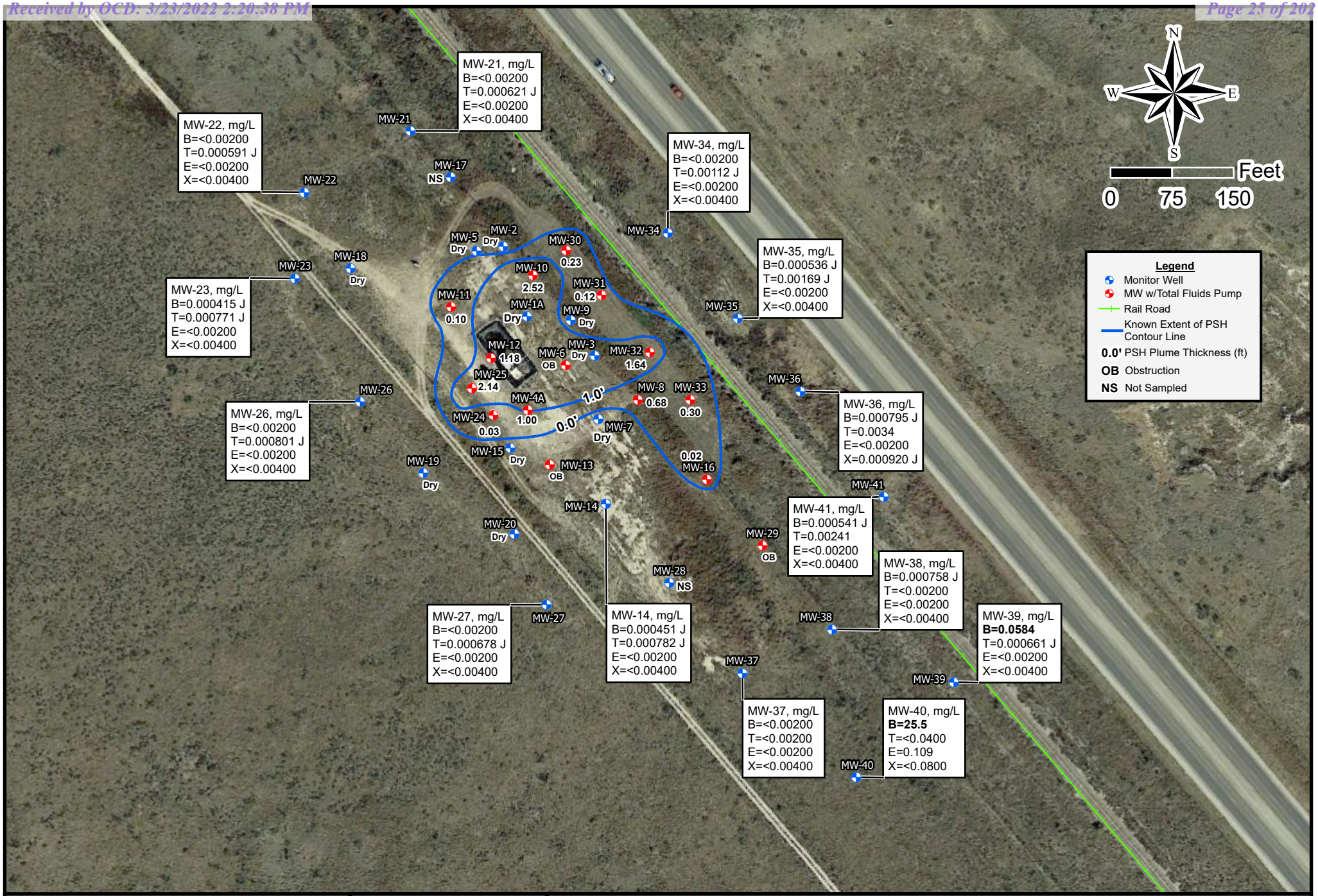
TALON LPE

Drafted: 2/2/2022
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2d - Groundwater Gradient Map (12/03-07/2021)



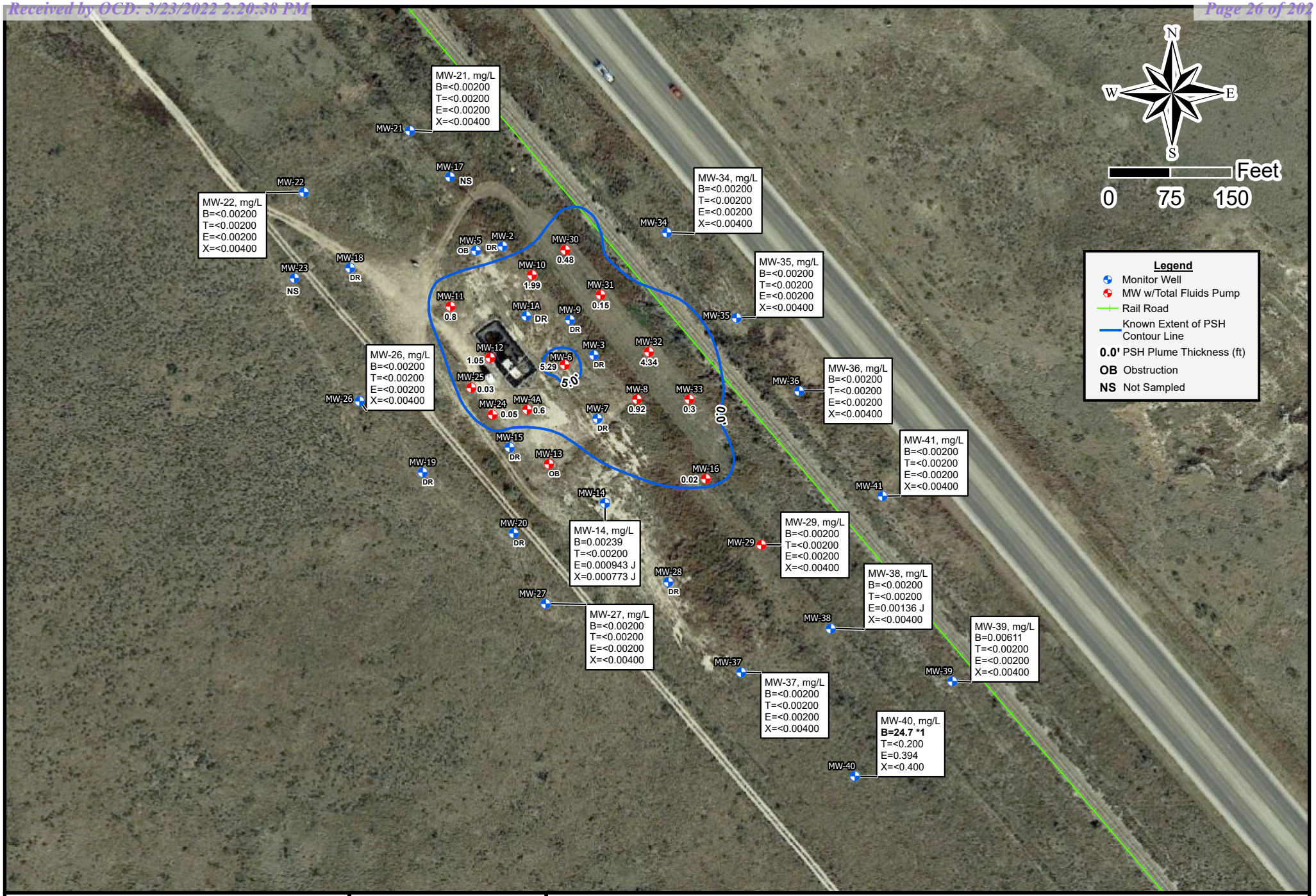
TALON LPE	Drafted: 2/2/2022 1 in = 150 ft Drafted By: JAI	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 3a - PSH Thickness & Groundwater Concentration Map (03/8-9 & 29/2021)



TALON LPE

Drafted: 2/2/2022
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3b - PSH Thickness & Groundwater Concentration Map (06/23-25/2021)



TALON LPE

Drafted: 2/2/2022
1 in = 150 ft
Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3c - PSH Thickness & Groundwater Concentration Map (09/13-14/2021)

TALON LPE	Drafted: 2/2/2022 1 in = 150 ft Drafted By: IJR	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 3d - PSH Thickness & Groundwater Concentration Map (12/07-08/2021)

APPENDIX B

Tables

Table 1 - Summary of Historical Fluid Level Measurements
Table 2 - Summary of Groundwater Analytical Results for BTEX
Table 3 - Summary of Groundwater Analytical Results for PAH

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

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

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-39 4"	3,768.99	85	105	09/24/2018	91.21	-	-	3677.78
				12/17/2018	86.71	-	-	3682.28
				03/21/2019	86.92	-	-	3682.07
				06/24/2019	87.28	-	-	3681.71
				09/17/2019	87.73	-	-	3681.26
				12/12/2019	88.23	-	-	3680.76
				03/16/2020	88.50	-	-	3680.49
				06/18/2020	88.84	-	-	3680.15
				09/16/2020	89.35	-	-	3679.64
				12/07/2020	89.84	-	-	3679.15
				03/08/2021	90.12	-	-	3678.87
				06/23/2021	90.63	-	-	3678.36
				09/10/2021	91.04	-	-	3677.95
				12/07/2021	91.55	-	-	3677.44
MW-40 4"	3,773.47	85	105	09/24/2018	86.21	-	-	3687.26
				12/17/2018	86.71	-	-	3686.76
				03/21/2019	91.77	-	-	3681.70
				06/24/2019	92.25	-	-	3681.22
				09/11/2019	92.66	-	-	3680.81
				12/12/2019	93.17	-	-	3680.30
				03/16/2020	93.34	-	-	3680.13
				06/18/2020	93.75	-	-	3679.72
				09/15/2020	94.30	-	-	3679.17
				12/07/2020	94.78	-	-	3678.69
				03/08/2021	98.98	-	-	3674.49
				06/23/2021	95.51	-	-	3677.96
				09/10/2021	96.03	-	-	3677.44
				12/07/2021	96.55	-	-	3676.92
MW-41 4"	3,766.15	85	105	09/24/2018	82.50	-	-	3683.65
				12/17/2018	83.01	-	-	3683.14
				03/21/2019	83.22	-	-	3682.93
				06/24/2019	83.58	-	-	3682.57
				09/16/2019	84.02	-	-	3682.13
				12/12/2019	84.52	-	-	3681.63
				03/16/2020	84.80	-	-	3681.35
				06/17/2020	85.13	-	-	3681.02
				09/16/2020	85.64	-	-	3680.51
				12/07/2020	86.10	-	-	3680.05
				03/08/2021	86.43	-	-	3679.72
				06/23/2021	86.87	-	-	3679.28
				09/10/2021	87.30	-	-	3678.85
				12/07/2021	87.75	-	-	3678.40

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 No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMOCD - Groundwater		0.01	0.75	0.75	0.62	-
MW-13	09/21/2017	**0.568 D**	0.165	0.0860	0.154	0.973
	12/21/2017	**0.397 X**	0.0344 X	0.0201	0.0621	0.514
	03/28/2018	**3.07 D**	0.371	0.131	0.336	3.91
	06/14/2018	**2.18**	0.469	0.161	0.370	3.18
	03/27/2019	**0.0392**	0.0111	0.0309	0.0551	0.136
	06/27/2019	<0.000480	<0.000512	0.00660	0.00640	0.0130
	03/19/2020	**0.0404**	<0.000512	0.00200	0.00280	0.0452
	09/17/2020	**4.15 D**	0.00691	0.0347	0.0345	4.23
	12/09/2020	**3.03 D**	0.0649	0.157	0.2442	3.496
MW-14	03/28/2016	**0.0120**	0.00100	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00150	<0.000621	<0.000763	0.00130	-
	12/13/2016	**0.0411**	<0.00100	<0.000657	<0.000642	-
	03/21/2017	**0.0520**	<0.000367	<0.000657	<0.000630	0.0520
	06/06/2017	**0.671 D**	0.00198 J	<0.000657	0.00300	0.676
	09/21/2017	**0.0411**	<0.00100	<0.000657	<0.000630	0.0411
	12/21/2017	0.00262	<0.000367	<0.000657	<0.000630	0.00262
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	0.00230	<0.000512	<0.000616	<0.000270	0.00230
	09/26/2018	**0.0225**	0.00100 J	<0.000657	<0.000630	0.0235
	12/18/2018	**0.165**	0.000900 J	<0.000616	<0.000270	0.166
	03/26/2019	**0.0297**	<0.000500	<0.000500	<0.000500	0.0297
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00771	<0.000657	<0.000630	0.00771
	12/13/2019	0.00392	0.000520	<0.000657	<0.000630	0.00444
	03/19/2020	**0.0123**	<0.000512	<0.000616	0.000900 J	0.0132
	06/19/2020	**0.0671**	0.000540 J	<0.000657	0.000900 J	0.0685
	09/15/2020	**0.0861**	<0.000367	0.00182 J	<0.000630	0.0879
	12/08/2020	0.00635	0.000530 J	<0.002000	<0.0006300	0.006880
	03/09/2021	**0.0363**	<0.00200	0.00214	<0.00200	0.0384
	06/24/2021	0.000451 J	0.000782 J	<0.00200	<0.00400	0.00123 J
	09/14/2021	0.00239	<0.00200	0.000943 J	0.000773 J	0.00411
	12/08/2021	0.00103 J	0.000679 J	<0.00200	<0.00400	0.00171 J
MW-15	09/21/2017	**0.296**	0.0640	0.0681	0.180	0.608
	12/21/2017	**0.307**	0.0848	0.0276	0.121	0.540
	03/28/2018	**0.0684**	0.0282	0.00910	0.0300	0.136
MW-16	09/21/2017	**13.1 D**	0.0610	0.143	0.185	13.5
	12/21/2017	**3.66 D**	0.0542	0.0532	0.103	3.87
	03/28/2018	**6.44 D**	0.0252	0.212	0.245	6.92
	06/14/2018	**9.38**	<0.0256	0.275	0.240	9.90
	09/26/2018	**9.24 D**	0.0161	0.207	0.187	9.65
	12/18/2018	**4.35**	<0.0102	0.114	0.0820	4.55
	03/26/2019	**9.85**	<0.0100	0.350	0.259	10.5
	06/27/2019	**3.54**	<0.0256	0.165	0.190	3.90

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

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

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-20	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	0.00260	<0.000367	<0.000657	<0.000630	0.00260
	06/06/2017	0.00180 J	0.00189 J	<0.000657	<0.000642	0.00369
	09/21/2017	0.00286	<0.00100	0.00123 J	<0.000630	0.00409
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000690 J	<0.000657	<0.000630	0.000690 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2020	0.00220	<0.000512	<0.000616	<0.000270	0.00220
	06/19/2020	0.000920 J	<0.000367	<0.000657	<0.000630	0.000920 J
MW-21	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00214	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00266	<0.000367	<0.000657	<0.000630	0.00266
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00373	0.00294	<0.000657	<0.000630	0.00667
	12/18/2018	0.00680	0.00280	<0.000616	0.00210	0.0117
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00117 J	<0.000367	<0.000657	<0.000630	0.00117 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00887	<0.00200	<0.00200	<0.00200	0.00887
	06/25/2021	<0.00200	0.000621 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-22	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.254	<0.000657	<0.000630	0.254
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/13/2019	0.00125	<0.000367	<0.000657	<0.000630	0.00125
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00166 J	<0.000367	<0.000657	<0.000630	0.001660 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00424	<0.00200	<0.00200	<0.00200	0.00424
	06/25/2021	<0.00200	0.000591 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-23	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00410	0.000710 J	<0.000657	<0.000630	0.00481
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0345	<0.000657	<0.000630	0.0345
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.00170	<0.000367	<0.000657	<0.00063	0.00170
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00177 J	<0.000367	0.000740 J	<0.000630	0.00251
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000415 J	0.000771 J	<0.00200	<0.00400	0.00119 J
MW-26	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000630 J	<0.000657	<0.000630	0.000630 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0172	<0.000657	<0.000630	0.0172
	12/18/2018	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.000430	<0.000367	<0.000657	<0.000630	0.000430
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J
	09/14/2020	0.000860 J	<0.000367	<0.000657	<0.000630	0.000860 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00306	<0.00200	<0.00200	<0.00200	0.00306
	06/24/2021	<0.00200	0.000801 J	<0.00200	<0.00400	0.000801 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-27	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000560 J	<0.000367	<0.000657	<0.000630	0.000560 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0128	<0.000657	<0.000630	0.0128
	12/18/2018	0.00240	<0.000512	<0.000616	<0.000270	0.00240
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00713	<0.000657	<0.000630	0.00713
	12/13/2019	**0.0375**	<0.000367	0.000850	0.00225	0.0406
	03/19/2020	0.00650	<0.000512	<0.000616	0.000600 J	0.00710
	06/22/2020	0.00119 J	<0.000367	<0.000657	<0.000630	0.00119 J
	09/15/2020	0.00172 J	<0.000367	<0.000657	<0.000630	0.00172 J
	12/09/2020	0.00670	<0.002000	<0.002000	<0.0006300	0.006700
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/24/2021	<0.00200	0.000678 J	<0.00200	<0.00400	0.000678 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-28	03/28/2016	**0.120**	<0.00024	<0.00024	<0.00024	-
	06/22/2016	**0.0468**	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00240	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/06/2017	0.00985	0.00126 J	<0.000657	0.00149 J	0.0126
	09/21/2017	**0.0167**	<0.00100	<0.000657	<0.000630	0.0167
	12/21/2017	**0.0686**	0.000410 J	<0.000657	<0.000630	0.0690
	03/28/2018	**0.0118**	0.000800 J	<0.000657	<0.000630	0.0126
	06/14/2018	0.00260	<0.000512	<0.000616	<0.000270	0.00260
	09/26/2018	<0.000408	0.00642	<0.000657	<0.000630	0.00642
	12/18/2018	0.00310	<0.000512	<0.000616	<0.000270	0.00310
	03/26/2019	0.00464	<0.000500	<0.000500	<0.000500	0.00464
	06/26/2019	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	**0.0163**	<0.000367	<0.000657	<0.000630	0.0163
	03/18/2020	**0.0567**	<0.000512	0.00130	0.00200	0.0600
	06/19/2020	0.00312	<0.000367	<0.000657	<0.000630	0.00312
	09/15/2020	0.00365	<0.000367	<0.000657	<0.000630	0.00365
	12/08/2020	<0.002000	0.000670 J	<0.002000	<0.0006300	0.0006700 J
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-29	03/28/2016	**20.0**	<0.0119	<0.0119	<0.0122	-
	06/22/2016	**6.81**	<0.0310	<0.0382	<0.0128	-
	09/28/2016	**4.77**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**6.92**	<0.0200	<0.0131	0.0530	-
	03/21/2017	**0.245**	<0.000367	<0.000657	<0.000630	0.245
	06/06/2017	**37.9**	<0.100	<0.0657	<0.0642	37.9
	09/21/2017	**17.2 D**	<0.00100	0.00775	0.000890 J	17.2
	12/21/2017	**9.54 D**	<0.000367	0.00418	0.000660 J	9.54
	03/28/2018	**4.20**	<0.00734	<0.0131	<0.0126	4.20
	06/14/2018	**7.62**	<0.0256	<0.0308	<0.0135	7.62
	10/04/2018	**1.49 D**	<0.000367	<0.000657	0.00781	1.50
	12/18/2018	**0.0398**	<0.000512	0.000800 J	<0.000270	0.0406
	03/26/2019	0.000570	<0.000500	<0.000500	<0.000500	0.000570
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	0.000400	<0.000657	<0.000630	0.000400
	03/19/2020	**0.0121**	<0.000512	<0.000616	0.000800 J	0.012900
	06/22/2020	**0.0527**	<0.000367	0.00181 J	0.00138 J	0.0559
	09/15/2020	**0.175**	<0.000367	0.00501	0.00417	0.184
	12/09/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	09/30/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-34	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	0.00400	0.00160	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	0.00239	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	0.00163 J	<0.00100	0.000770 J	0.000680 J	0.00308
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000790 J	<0.000367	<0.000657	<0.000630	0.000790 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00204	0.00392	<0.000657	<0.000630	0.00596
	12/18/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J
	03/27/2019	0.00302	0.00302	<0.000500	<0.000500	0.00604
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00390	<0.000367	<0.000657	<0.000630	0.00390
	03/20/2020	0.00470	<0.000512	<0.000616	<0.000270	0.00470
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0341**	<0.000367	0.00155 J	<0.000630	0.0357
	12/07/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	<0.00200	0.00112 J	<0.00200	<0.00400	0.00112 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-35	03/28/2016	0.00920	0.00510	0.00290	0.00270	-
	06/21/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00427	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	0.000740 J	<0.000367	<0.000657	<0.000630	0.000740 J
	03/28/2018	0.00175 J	<0.000367	<0.000657	<0.000630	0.00175 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	0.000700 J	<0.000512	<0.000616	<0.000270	0.000700 J
	03/28/2019	0.000960	0.000680	<0.000500	<0.000500	0.00164
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00205	<0.000367	<0.000657	<0.000630	0.00205
	03/20/2020	0.00330	<0.000512	<0.000616	<0.000270	0.00330
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0168**	<0.000367	0.00189 J	<0.000630	0.0187
	12/07/2020	0.000930 J	<0.002000	<0.002000	<0.0006300	0.0009300 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000536 J	0.00169 J	<0.00200	<0.00400	0.00223 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-36	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00416	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00234	0.000590 J	<0.000657	<0.000630	0.00293
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.00199 J	<0.000657	<0.000630	0.00199 J
	12/18/2018	0.00140	<0.000512	<0.000616	<0.000270	0.00140
	03/28/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00269	<0.000367	<0.000657	<0.000630	0.00269
	03/20/2020	0.00430	<0.000512	<0.000616	<0.000270	0.00430
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0104**	<0.000367	<0.000657	<0.000630	0.0104
	12/08/2020	0.00164 J	<0.002000	<0.002000	<0.0006300	0.001640 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000795 J	0.0034	<0.00200	0.000920 J	0.00512
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-37	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	**0.889**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**0.602**	<0.0200	<0.0131	<0.0128	-
	03/21/2017	**0.0170**	<0.000367	<0.000657	<0.000630	0.0170
	06/06/2017	**2.21**	<0.0500	<0.0329	<0.0321	2.21
	09/21/2017	**1.04 D**	<0.00100	<0.000657	<0.000630	1.04
	12/21/2017	**0.0774**	<0.000367	<0.000657	<0.000630	0.0774
	03/28/2018	**0.0467**	<0.000367	<0.000657	<0.000630	0.0467
	06/14/2018	**0.355**	<0.000512	<0.000616	<0.000270	0.355
	09/26/2018	0.00674	<0.000367	<0.000657	<0.000630	0.00674
	12/18/2018	0.000600 J	<0.000512	<0.000616	<0.000270	0.000600 J
	03/26/2019	**0.0161**	<0.000500	<0.000500	<0.00050	0.0161
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	0.00670	<0.000367	<0.000657	<0.000630	0.00670
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/18/2020	**0.0856**	<0.000512	0.00160	0.00240	0.0896
	06/22/2020	0.00165 J	<0.000367	<0.000657	<0.000630	0.00165 J
	09/15/2020	0.00170 J	<0.000367	<0.000657	<0.000630	0.00170 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-38	03/28/2016	**6.55**	<0.0119	<0.0119	0.104	-
	06/22/2016	**4.07**	<0.0310	<0.0382	0.0427 J	-
	09/28/2016	**2.83**	<0.0658	0.126	0.417	-
	12/13/2016	**5.91**	<0.0200	0.0450	0.0417	-
	03/21/2017	**12.6**	<0.0184	<0.0329	<0.0315	12.6
	06/06/2017	**0.216**	<0.00100	0.000890 J	0.00174 J	0.219
	09/21/2017	**14 D**	<0.00100	0.0118	0.00155 J	14.0
	12/21/2017	**13.4 D**	<0.000367	0.00794	0.00184 J	13.4
	03/28/2018	**7.58 D**	<0.000367	<0.000657	<0.000630	7.58
	06/14/2018	**12.6**	<0.0256	<0.0308	<0.0135	12.6
	09/26/2018	**10.7 D**	0.00427	0.0106	0.00298	10.7
	12/18/2018	**3.72**	<0.0102	<0.0123	<0.00540	3.72
	03/26/2019	**8.06**	<0.0100	<0.0100	<0.0100	8.06
	06/25/2019	**2.70**	<0.00512	<0.00616	<0.00270	2.70
	09/16/2019	**6.19**	<0.000367	0.00669	<0.000630	6.20
	12/13/2019	**0.682**	0.000530	0.000970	<0.000630	0.684
	03/18/2020	**0.333**	<0.00256	<0.00308	<0.00135	0.333
	06/22/2020	**0.358**	0.00105 J	0.00387	0.00372	0.367
	09/15/2020	**0.209**	<0.000367	0.00584	0.00562	0.220
	12/08/2020	**0.0309**	<0.002000	<0.002000	<0.0006300	0.03090
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000758 J	<0.00200	<0.00200	<0.00400	0.000758 J
	09/14/2021	<0.00200	<0.00200	0.00136 J	<0.00400	0.00136 J
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Moore to Jal No. 1
Lovington/Hobbs, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-39	09/26/2018	**0.0473**	<0.000367	<0.000657	0.00142 J	0.0487
	12/18/2018	**0.358**	<0.000512	<0.000616	0.00540	0.363
	03/27/2019	0.00573	0.00472	<0.000500	0.000550	0.0110
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/15/2019	0.00663	<0.000367	<0.000657	<0.000630	0.006630
	03/19/2020	**0.0571**	<0.000512	<0.000616	0.00190	0.0590
	06/23/2020	**0.0495**	0.000720 J	<0.000657	<0.000630	0.0502
	09/16/2020	**0.233**	<0.000367	0.00147 J	0.00226	0.237
	12/08/2020	**1.20 D**	<0.002000	<0.002000	0.02106	1.221
	03/09/2021	**0.124**	<0.00200	<0.00200	<0.00200	0.124
	06/24/2021	**0.0584**	0.000661 J	<0.00200	<0.00400	0.0591
	09/13/2021	0.00611	<0.00200	<0.00200	<0.00400	0.00611
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-40	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	**0.104**	<0.000500	<0.000500	0.00177	0.106
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	**1.65**	<0.000367	0.00221	0.0394	1.69
	12/13/2019	**5.14**	0.00576	0.0156	0.0545	5.22
	03/18/2020	**10.1**	<0.0256	0.0500 J	0.100	10.3
	06/22/2020	**9.71 D**	0.00995	0.0575	0.0724	9.85
	09/15/2020	**16.6 D**	0.00513	0.0606	0.0656	16.7
	12/08/2020	**23.2 D**	0.0121	0.144	0.1842	23.54
	03/09/2021	**13.7 D**	0.00556	0.106	0.0618	13.9
	06/24/2021	**25.5**	<0.0400	0.109	<0.0800	26.0
	09/14/2021	**24.7 *1**	<0.200	0.394	<0.400	25.1
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-41	09/26/2018	<0.000408	0.00564	<0.000657	<0.000630	0.00564
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/27/2019	**0.0101**	0.00732	0.000600	0.00306	0.0211
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00381	<0.000367	<0.000657	<0.000630	0.00381
	03/20/2020	0.00680	<0.000512	<0.000616	0.000600 J	0.00740
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	0.00943	<0.000367	<0.000657	<0.000630	0.00943
	12/07/2020	0.00394	<0.002000	<0.002000	<0.0006300	0.003940
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000541 J	0.00241	<0.00200	<0.00400	0.00295 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

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 No. 1
Lovington/Hobbs, NM
SRS #: 2002-10270

Sample ID	Date Sampled	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Dibenzofuran (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno (1,2,3-c,d) pyrene (mg/l)	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)
NMOCD - Groundwater		-	-	-	-	0.007	-	-	-	-	-	-	-	-	-	0.03	-	-
MW-15	03/28/2018	<0.0000408	<0.0000731	<0.0000757	<0.0000632	<0.0000955	<0.0000907	<0.0000796	<0.0000779	<0.0000880	<0.0000495	0.00111	<0.0000896	0.00122	<0.0000495	0.00293 J	0.00141	<0.0000920
MW-27	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.000108 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000042	<0.0000075	<0.0000078	<0.0000065	<0.0000099	<0.0000094	<0.0000082	<0.0000080	<0.0000091	<0.0000051	<0.0000055	<0.0000092	<0.0000056	<0.0000051	0.0000937	<0.0000057	<0.0000095
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.0001720	<0.0000839	-	<0.000174	<0.000111	<0.000101	<0.000107	<0.0000939	<0.000144
	03/09/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-28	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000918 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000757	<0.0000056	<0.0000093
	03/18/2020	<0.000108	<0.000091	<0.0000938	<0.000146	<0.0000618	<0.0000770	<0.000123	<0.000126	<0.000169	<0.0000823	-	<0.000170	<0.000109	<0.0000989	0.000207 J	<0.0000921	<0.000141
MW-29	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	0.00106	<0.000063	0.000884	<0.000053	**0.0342**	0.000957	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000474	<0.0000090	0.000495	<0.0000049	0.000505	0.000197	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000269	<0.0000090	0.000441	<0.0000049	0.000463	0.0000894	<0.0000092
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.000172	<0.0000840	-	<0.000174	0.000176 J	<0.000101	0.000223 J	<0.0000940	<0.000144
MW-34	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/27/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000332	<0.0000056	<0.0000093
	03/20/2020	<0.000123	<0.000104	<0.000107	<0.000166	<0.0000703	<0.0000875	<0.000139	<0.000143	<0.000192	<0.0000936	-	<0.000194	<0.000124	<0.000112	<0.000120	<0.000105	<0.000160
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-35	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000262	<0.0000055	<0.0000092
	03/20/2020	<0.000118	<0.0000997	<0.000103	<0.000159	<0.0000676	<0.0000842	<0.000134	<0.000138	<0.000185	<0.0000900	-	<0.000186	<0.000119	<0.000108	<0.000115	<0.000101	<0.000154
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-36	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000059	<0.000063	<0.000077	<0.000053	<0.000064	<0.000051	<0.000041
	03/28/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-37	03/28/2016	<0.000033	<0.000057	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.0000562	<0.0000090	0.0000424 J	<0.0000049	0.000376 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000771	<0.0000055	<0.0000092
	03/18/2020	<0.000112	<0.0000947	<0.0000974	<0.000151	<0.0000642	<0.0000800	<0.000127	<0.000131	<0.000176	<0.0000855	-	<0.000177	<0.000113	<0.000103	0.000225 J	<0.0000957	<0.000147
MW-38	03/28/2016	<0.000032	<0.000057	<0.000031	<0.000070	<0.000041	<0.000069	<0.000051	<0.000055	<0.000079	<0.000055	<0.000059	<0.000062	<0.000077	<0.000052	0.00650	<0.000050	<0.000040
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000187	<0.0000090	0.0000604	<0.0000049	0.000359 J	0.000116	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.00125	<0.0000090	0.000274	<0.0000049	0.00403	0.000547	<0.0000092
	03/18/2020	<0.000120	<0.000101	<0.000104	<0.000161	<0.0000684	<0.0000853	<0.000136	<0.000139	<0.000187	<0.0000912	-	<0.000189	<0.000121	<0.000110	0.000788	0.000120 J	<0.000156

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

Analyte concentration exceeds the standard for:
NMOCD - Groundwater

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-322-1
Laboratory Sample Delivery Group: 700376.044.04
Client Project/Site: Moore to Jal #1 (MTJ 1)
Revision: 1

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

Attn: David Adkins

JKramer

Authorized for release by:
3/29/2021 4:38:41 PM

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

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

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

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

Laboratory Job ID: 890-322-1
SDG: 700376.044.04

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 15
Lab Chronicle 17
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 25

Definitions/Glossary

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

Job ID: 890-322-1
SDG: 700376.044.04

Qualifiers

Subcontract

Qualifier	Qualifier Description
D	The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference
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 #1 (MTJ 1)

Job ID: 890-322-1
SDG: 700376.044.04

Job ID: 890-322-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-322-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/23/2021. The report (revision 1) is being revised due to: Per client email, requesting Talon EDD.

Receipt
The samples were received on 3/11/2021 10:23 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 5.8º C.

Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-34

Date Collected: 03/08/21 11:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-1

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		03/21/21 10:00	03/21/21 16:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:12	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 16:12	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:12	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:12	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:12	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*95*		*70 - 130*	*03/21/21 10:00*	*03/21/21 16:12*	*1*
4-Bromofluorobenzene	*106*		*70 - 130*	*03/21/21 10:00*	*03/21/21 16:12*	*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	0.000103	mg/L		03/15/21 17:15	03/15/21 20:28	1
Acenaphthylene	<1.5	U	1.5	0.0000870	mg/L		03/15/21 17:15	03/15/21 20:28	1
Anthracene	<7.3	U	7.3	0.0000895	mg/L		03/15/21 17:15	03/15/21 20:28	1
Benzo(a)anthracene	<.0091	U	.0091	0.000139	mg/L		03/15/21 17:15	03/15/21 20:28	1
Benzo(a)pyrene	<.0002	U	.0002	0.0000590	mg/L		03/15/21 17:15	03/15/21 20:28	1
Benzo(b)fluoranthene	<.0091	U	.0091	0.0000735	mg/L		03/15/21 17:15	03/15/21 20:28	1
Benzo(g,h,i)perylene	<.73	U	.73	0.000117	mg/L		03/15/21 17:15	03/15/21 20:28	1
Benzo(k)fluoranthene	<.091	U	.091	0.000120	mg/L		03/15/21 17:15	03/15/21 20:28	1
Chrysene	<.91	U	.91	0.000161	mg/L		03/15/21 17:15	03/15/21 20:28	1
Dibenz(a,h)anthracene	<.0002	U	.0002	0.0000785	mg/L		03/15/21 17:15	03/15/21 20:28	1
Fluoranthene	<.98	U	.98	0.000162	mg/L		03/15/21 17:15	03/15/21 20:28	1
Fluorene	<.98	U	.98	0.000104	mg/L		03/15/21 17:15	03/15/21 20:28	1
Indeno(1,2,3-c,d)Pyrene	<.0091	U	.0091	0.0000944	mg/L		03/15/21 17:15	03/15/21 20:28	1
Naphthalene	<.49	U	.49	0.000100	mg/L		03/15/21 17:15	03/15/21 20:28	1
Phenanthrene	<.73	U	.73	0.0000879	mg/L		03/15/21 17:15	03/15/21 20:28	1
Pyrene	<.73	U	.73	0.000135	mg/L		03/15/21 17:15	03/15/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*43 - 130*	*03/15/21 17:15*	*03/15/21 20:28*	*1*
Nitrobenzene-d5	*80*		*36 - 130*	*03/15/21 17:15*	*03/15/21 20:28*	*1*
Terphenyl-D14	*95*		*35 - 121*	*03/15/21 17:15*	*03/15/21 20:28*	*1*

Client Sample ID: MW-35

Date Collected: 03/08/21 12:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-2

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		03/21/21 10:00	03/21/21 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:37	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:37	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:37	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:37	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 16:37	1

Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-35

Date Collected: 03/08/21 12:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	109		70 - 130	03/21/21 10:00	03/21/21 16:37	1
4-Bromofluorobenzene	100		70 - 130	03/21/21 10:00	03/21/21 16:37	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	0.000103	mg/L		03/15/21 17:18	03/15/21 20:46	1
Acenaphthylene	<1.5	U	1.5	0.0000870	mg/L		03/15/21 17:18	03/15/21 20:46	1
Anthracene	<7.3	U	7.3	0.0000895	mg/L		03/15/21 17:18	03/15/21 20:46	1
Benzo(a)anthracene	<.0091	U	.0091	0.000139	mg/L		03/15/21 17:18	03/15/21 20:46	1
Benzo(a)pyrene	<.0002	U	.0002	0.0000590	mg/L		03/15/21 17:18	03/15/21 20:46	1
Benzo(b)fluoranthene	<.0091	U	.0091	0.0000735	mg/L		03/15/21 17:18	03/15/21 20:46	1
Benzo(g,h,i)perylene	<.73	U	.73	0.000117	mg/L		03/15/21 17:18	03/15/21 20:46	1
Benzo(k)fluoranthene	<.091	U	.091	0.000120	mg/L		03/15/21 17:18	03/15/21 20:46	1
Chrysene	<.91	U	.91	0.000161	mg/L		03/15/21 17:18	03/15/21 20:46	1
Dibenz(a,h)anthracene	<.0002	U	.0002	0.0000785	mg/L		03/15/21 17:18	03/15/21 20:46	1
Fluoranthene	<.98	U	.98	0.000162	mg/L		03/15/21 17:18	03/15/21 20:46	1
Fluorene	<.98	U	.98	0.000104	mg/L		03/15/21 17:18	03/15/21 20:46	1
Indeno(1,2,3-c,d)Pyrene	<.0091	U	.0091	0.0000944	mg/L		03/15/21 17:18	03/15/21 20:46	1
Naphthalene	<.49	U	.49	0.000100	mg/L		03/15/21 17:18	03/15/21 20:46	1
Phenanthrene	<.73	U	.73	0.0000879	mg/L		03/15/21 17:18	03/15/21 20:46	1
Pyrene	<.73	U	.73	0.000135	mg/L		03/15/21 17:18	03/15/21 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	88		43 - 130	03/15/21 17:18	03/15/21 20:46	1
Nitrobenzene-d5	74		36 - 130	03/15/21 17:18	03/15/21 20:46	1
Terphenyl-D14	85		35 - 121	03/15/21 17:18	03/15/21 20:46	1

Client Sample ID: MW-36

Date Collected: 03/08/21 14:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-3

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		03/21/21 10:00	03/21/21 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:03	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:03	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:03	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:03	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	112		70 - 130	03/21/21 10:00	03/21/21 17:03	1
4-Bromofluorobenzene	114		70 - 130	03/21/21 10:00	03/21/21 17:03	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	0.000108	mg/L		03/15/21 17:21	03/15/21 21:03	1
Acenaphthylene	<1.5	U	1.5	0.0000912	mg/L		03/15/21 17:21	03/15/21 21:03	1
Anthracene	<7.3	U	7.3	0.0000938	mg/L		03/15/21 17:21	03/15/21 21:03	1
Benzo(a)anthracene	<.0091	U	.0091	0.000146	mg/L		03/15/21 17:21	03/15/21 21:03	1

Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-36

Date Collected: 03/08/21 14:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	<.0002	U	.0002	0.0000618	mg/L		03/15/21 17:21	03/15/21 21:03	1
Benzo(b)fluoranthene	<.0091	U	.0091	0.0000770	mg/L		03/15/21 17:21	03/15/21 21:03	1
Benzo(g,h,i)perylene	<.73	U	.73	0.000123	mg/L		03/15/21 17:21	03/15/21 21:03	1
Benzo(k)fluoranthene	<.091	U	.091	0.000126	mg/L		03/15/21 17:21	03/15/21 21:03	1
Chrysene	<.91	U	.91	0.000169	mg/L		03/15/21 17:21	03/15/21 21:03	1
Dibenz(a,h)anthracene	<.0002	U	.0002	0.0000823	mg/L		03/15/21 17:21	03/15/21 21:03	1
Fluoranthene	<.98	U	.98	0.000170	mg/L		03/15/21 17:21	03/15/21 21:03	1
Fluorene	<.98	U	.98	0.000109	mg/L		03/15/21 17:21	03/15/21 21:03	1
Indeno(1,2,3-c,d)Pyrene	<.0091	U	.0091	0.0000989	mg/L		03/15/21 17:21	03/15/21 21:03	1
Naphthalene	<.49	U	.49	0.000105	mg/L		03/15/21 17:21	03/15/21 21:03	1
Phenanthrene	<.73	U	.73	0.0000921	mg/L		03/15/21 17:21	03/15/21 21:03	1
Pyrene	<.73	U	.73	0.000141	mg/L		03/15/21 17:21	03/15/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*43 - 130*	*03/15/21 17:21*	*03/15/21 21:03*	*1*
Nitrobenzene-d5	*75*		*36 - 130*	*03/15/21 17:21*	*03/15/21 21:03*	*1*
Terphenyl-D14	*97*		*35 - 121*	*03/15/21 17:21*	*03/15/21 21:03*	*1*

Client Sample ID: MW-41

Date Collected: 03/09/21 09:15
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-4
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		03/21/21 10:00	03/21/21 17:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:28	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 17:28	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:28	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:28	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:28	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*115*		*70 - 130*	*03/21/21 10:00*	*03/21/21 17:28*	*1*
4-Bromofluorobenzene	*113*		*70 - 130*	*03/21/21 10:00*	*03/21/21 17:28*	*1*

Client Sample ID: MW-39

Date Collected: 03/09/21 10:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-5
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.124**		0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 17:53	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1
Total BTEX	**0.124**		0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 17:53	1

Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-39
Date Collected: 03/09/21 10:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*111*		*70 - 130*	*03/21/21 10:00*	*03/21/21 17:53*	*1*
4-Bromofluorobenzene	*93*		*70 - 130*	*03/21/21 10:00*	*03/21/21 17:53*	*1*

Client Sample ID: MW-40
Date Collected: 03/09/21 12:50
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-6
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**13.7**	**D**	0.200		mg/L		03/21/21 10:00	03/22/21 22:29	100
Ethylbenzene	**0.106**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:19	1
m,p-Xylenes	**0.0477**		0.00400		mg/L		03/21/21 10:00	03/21/21 18:19	1
o-Xylene	**0.0141**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:19	1
Toluene	**0.00556**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:19	1
Total BTEX	**13.9**		0.00200		mg/L		03/21/21 10:00	03/22/21 22:29	100
Total Xylenes	**0.0618**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*108*		*70 - 130*	*03/21/21 10:00*	*03/21/21 18:19*	*1*
4-Bromofluorobenzene	*97*		*70 - 130*	*03/21/21 10:00*	*03/21/21 18:19*	*1*

Client Sample ID: MW-14
Date Collected: 03/09/21 14:45
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-7
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0363**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1
Ethylbenzene	**0.00214**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 18:44	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1
Total BTEX	**0.0384**		0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*101*		*70 - 130*	*03/21/21 10:00*	*03/21/21 18:44*	*1*
4-Bromofluorobenzene	*111*		*70 - 130*	*03/21/21 10:00*	*03/21/21 18:44*	*1*

Client Sample ID: MW-21
Date Collected: 03/09/21 09:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-8
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00887**		0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 19:09	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1
Total BTEX	**0.00887**		0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:09	1

Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-21
Date Collected: 03/09/21 09:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*114*		*70 - 130*	*03/21/21 10:00*	*03/21/21 19:09*	*1*
4-Bromofluorobenzene	*115*		*70 - 130*	*03/21/21 10:00*	*03/21/21 19:09*	*1*

Client Sample ID: MW-22
Date Collected: 03/09/21 11:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-9
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00424**		0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 19:35	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1
Total BTEX	**0.00424**		0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*119*		*70 - 130*	*03/21/21 10:00*	*03/21/21 19:35*	*1*
4-Bromofluorobenzene	*117*		*70 - 130*	*03/21/21 10:00*	*03/21/21 19:35*	*1*

Client Sample ID: MW-26
Date Collected: 03/09/21 13:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-10
Matrix: Water

Method: BTEX 8021B - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00306**		0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1
Total BTEX	**0.00306**		0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene	*117*		*70 - 130*	*03/21/21 10:00*	*03/21/21 20:00*	*1*
4-Bromofluorobenzene	*111*		*70 - 130*	*03/21/21 10:00*	*03/21/21 20:00*	*1*

Client Sample ID: MW-27
Date Collected: 03/09/21 16:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-11
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 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 22:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/L		03/21/21 10:00	03/21/21 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 22:31	1
Toluene	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 22:31	1
Total BTEX	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 22:31	1
Total Xylenes	<0.00200	U	0.00200		mg/L		03/21/21 10:00	03/21/21 22:31	1

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Client Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-27
Date Collected: 03/09/21 16:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	117		70 - 130	03/21/21 10:00	03/21/21 22:31	1
4-Bromofluorobenzene	114		70 - 130	03/21/21 10:00	03/21/21 22:31	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	0.000106	mg/L		03/15/21 17:24	03/15/21 21:21	1
Acenaphthylene	<1.5	U	1.5	0.0000891	mg/L		03/15/21 17:24	03/15/21 21:21	1
Anthracene	<7.3	U	7.3	0.0000916	mg/L		03/15/21 17:24	03/15/21 21:21	1
Benzo(a)anthracene	<.0091	U	.0091	0.000142	mg/L		03/15/21 17:24	03/15/21 21:21	1
Benzo(a)pyrene	<.0002	U	.0002	0.0000604	mg/L		03/15/21 17:24	03/15/21 21:21	1
Benzo(b)fluoranthene	<.0091	U	.0091	0.0000752	mg/L		03/15/21 17:24	03/15/21 21:21	1
Benzo(g,h,i)perylene	<.73	U	.73	0.000120	mg/L		03/15/21 17:24	03/15/21 21:21	1
Benzo(k)fluoranthene	<.091	U	.091	0.000123	mg/L		03/15/21 17:24	03/15/21 21:21	1
Chrysene	<.91	U	.91	0.000165	mg/L		03/15/21 17:24	03/15/21 21:21	1
Dibenz(a,h)anthracene	<.0002	U	.0002	0.0000804	mg/L		03/15/21 17:24	03/15/21 21:21	1
Fluoranthene	<.98	U	.98	0.000166	mg/L		03/15/21 17:24	03/15/21 21:21	1
Fluorene	<.98	U	.98	0.000107	mg/L		03/15/21 17:24	03/15/21 21:21	1
Indeno(1,2,3-c,d)Pyrene	<.0091	U	.0091	0.0000966	mg/L		03/15/21 17:24	03/15/21 21:21	1
Naphthalene	<.49	U	.49	0.000103	mg/L		03/15/21 17:24	03/15/21 21:21	1
Phenanthrene	<.73	U	.73	0.0000900	mg/L		03/15/21 17:24	03/15/21 21:21	1
Pyrene	<.73	U	.73	0.000138	mg/L		03/15/21 17:24	03/15/21 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	105		43 - 130	03/15/21 17:24	03/15/21 21:21	1
Nitrobenzene-d5	84		36 - 130	03/15/21 17:24	03/15/21 21:21	1
Terphenyl-D14	97		35 - 121	03/15/21 17:24	03/15/21 21:21	1

Surrogate Summary

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

Job ID: 890-322-1
SDG: 700376.044.04

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)
890-322-1	MW-34	106	95
890-322-2	MW-35	100	109
890-322-3	MW-36	114	112
890-322-4	MW-41	113	115
890-322-5	MW-39	93	111
890-322-6	MW-40	97	108
890-322-7	MW-14	111	101
890-322-8	MW-21	115	114
890-322-9	MW-22	117	119
890-322-10	MW-26	111	117
890-322-11	MW-27	114	117

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)
890-322-1	MW-34	101	80	95
890-322-2	MW-35	88	74	85
890-322-3	MW-36	96	75	97
890-322-11	MW-27	105	84	97

Surrogate Legend

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

QC Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

Method: BTEX 8021B - General Subcontract Method

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

Lab Sample ID: 691557-001 S
Matrix: WATER
Analysis Batch: 3154364

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 3154364_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<.002		.1	0.116		mg/L		116	70 - 125		
Ethylbenzene	<.002		.1	0.115		mg/L		115	71 - 129		
m,p-Xylenes	<.004		.2	0.236		mg/L		118	70 - 131		
o-Xylene	<.002		.1	0.115		mg/L		115	71 - 133		
Toluene	<.002		.1	0.114		mg/L		114	70 - 125		

Lab Sample ID: 691557-001 SD
Matrix: WATER
Analysis Batch: 3154364

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 3154364_P

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<.002		.1	0.108		mg/L		108	70 - 125	7	25
Ethylbenzene	<.002		.1	0.108		mg/L		108	71 - 129	6	25
m,p-Xylenes	<.004		.2	0.223		mg/L		112	70 - 131	6	25
o-Xylene	<.002		.1	0.108		mg/L		108	71 - 133	6	25
Toluene	<.002		.1	0.108		mg/L		108	70 - 125	5	25

QC Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

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
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
Matrix: WATER
Analysis Batch: 3153767

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

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QC Sample Results

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

Job ID: 890-322-1
SDG: 700376.044.04

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
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
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 #1 (MTJ 1)

Job ID: 890-322-1
SDG: 700376.044.04

Subcontract

Analysis Batch: 3153767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-322-1	MW-34	Total/NA	Water	PAH by 8270D-SIM	3153767_P
890-322-2	MW-35	Total/NA	Water	PAH by 8270D-SIM	3153767_P
890-322-3	MW-36	Total/NA	Water	PAH by 8270D-SIM	3153767_P
890-322-11	MW-27	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: 3154364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-322-1	MW-34	Total/NA	Water	BTEX 8021B	3154364_P
890-322-2	MW-35	Total/NA	Water	BTEX 8021B	3154364_P
890-322-3	MW-36	Total/NA	Water	BTEX 8021B	3154364_P
890-322-4	MW-41	Total/NA	Water	BTEX 8021B	3154364_P
890-322-5	MW-39	Total/NA	Water	BTEX 8021B	3154364_P
890-322-6	MW-40	Total/NA	Water	BTEX 8021B	3154364_P
890-322-6	MW-40	Total/NA	Water	BTEX 8021B	3154364_P
890-322-7	MW-14	Total/NA	Water	BTEX 8021B	3154364_P
890-322-8	MW-21	Total/NA	Water	BTEX 8021B	3154364_P
890-322-9	MW-22	Total/NA	Water	BTEX 8021B	3154364_P
890-322-10	MW-26	Total/NA	Water	BTEX 8021B	3154364_P
890-322-11	MW-27	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
691557-001 S	Matrix Spike	Total/NA	WATER	BTEX 8021B	3154364_P
691557-001 SD	Matrix Spike Duplicate	Total/NA	WATER	BTEX 8021B	3154364_P

Prep Batch: 3153767_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-322-1	MW-34	Total/NA	Water	SW3511	
890-322-2	MW-35	Total/NA	Water	SW3511	
890-322-3	MW-36	Total/NA	Water	SW3511	
890-322-11	MW-27	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: 3154364_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-322-1	MW-34	Total/NA	Water	SW5030B	
890-322-2	MW-35	Total/NA	Water	SW5030B	
890-322-3	MW-36	Total/NA	Water	SW5030B	
890-322-4	MW-41	Total/NA	Water	SW5030B	
890-322-5	MW-39	Total/NA	Water	SW5030B	
890-322-6	MW-40	Total/NA	Water	SW5030B	

QC Association Summary

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

Job ID: 890-322-1
SDG: 700376.044.04

Subcontract (Continued)

Prep Batch: 3154364_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-322-6	MW-40	Total/NA	Water	SW5030B	
890-322-7	MW-14	Total/NA	Water	SW5030B	
890-322-8	MW-21	Total/NA	Water	SW5030B	
890-322-9	MW-22	Total/NA	Water	SW5030B	
890-322-10	MW-26	Total/NA	Water	SW5030B	
890-322-11	MW-27	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	
691557-001 S	Matrix Spike	Total/NA	WATER	SW5030B	
691557-001 SD	Matrix Spike Duplicate	Total/NA	WATER	SW5030B	

Lab Chronicle

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-34
Date Collected: 03/08/21 11:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 16:12	KTL	XM
Total/NA	Prep	SW3511		1	3153767_P	03/15/21 17:15		TAL HOU
Total/NA	Analysis	PAH by 8270D-SIM		1	3153767	03/15/21 20:28	ENC	TAL HOU

Client Sample ID: MW-35
Date Collected: 03/08/21 12:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 16:37	KTL	XM
Total/NA	Prep	SW3511		1	3153767_P	03/15/21 17:18		TAL HOU
Total/NA	Analysis	PAH by 8270D-SIM		1	3153767	03/15/21 20:46	ENC	TAL HOU

Client Sample ID: MW-36
Date Collected: 03/08/21 14:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 17:03	KTL	XM
Total/NA	Prep	SW3511		1	3153767_P	03/15/21 17:21		TAL HOU
Total/NA	Analysis	PAH by 8270D-SIM		1	3153767	03/15/21 21:03	ENC	TAL HOU

Client Sample ID: MW-41
Date Collected: 03/09/21 09:15
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 17:28	KTL	XM

Client Sample ID: MW-39
Date Collected: 03/09/21 10:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 17:53	KTL	XM

Lab Chronicle

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

Job ID: 890-322-1
SDG: 700376.044.04

Client Sample ID: MW-40
Date Collected: 03/09/21 12:50
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 18:19	KTL	XM
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		100	3154364	03/22/21 22:29	KTL	XM

Client Sample ID: MW-14
Date Collected: 03/09/21 14:45
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 18:44	KTL	XM

Client Sample ID: MW-21
Date Collected: 03/09/21 09:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 19:09	KTL	XM

Client Sample ID: MW-22
Date Collected: 03/09/21 11:30
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 19:35	KTL	XM

Client Sample ID: MW-26
Date Collected: 03/09/21 13:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 20:00	KTL	XM

Client Sample ID: MW-27
Date Collected: 03/09/21 16:00
Date Received: 03/11/21 10:23

Lab Sample ID: 890-322-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SW5030B		1	3154364_P	03/21/21 10:00		XM
Total/NA	Analysis	BTEX 8021B		1	3154364	03/21/21 22:31	KTL	XM
Total/NA	Prep	SW3511		1	3153767_P	03/15/21 17:24		TAL HOU
Total/NA	Analysis	PAH by 8270D-SIM		1	3153767	03/15/21 21:21	ENC	TAL HOU

Lab Chronicle

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

Job ID: 890-322-1
SDG: 700376.044.04

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 890-322-1
SDG: 700376.044.04

Laboratory: Eurofins Midland

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

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

Laboratory: Eurofins TestAmerica, 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

Method Summary

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

Job ID: 890-322-1
SDG: 700376.044.04

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

Protocol References:

None = None

Laboratory References:

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

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

Sample Summary

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

Job ID: 890-322-1
SDG: 700376.044.04

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-322-1	MW-34	Water	03/08/21 11:00	03/11/21 10:23	
890-322-2	MW-35	Water	03/08/21 12:30	03/11/21 10:23	
890-322-3	MW-36	Water	03/08/21 14:00	03/11/21 10:23	
890-322-4	MW-41	Water	03/09/21 09:15	03/11/21 10:23	
890-322-5	MW-39	Water	03/09/21 10:30	03/11/21 10:23	
890-322-6	MW-40	Water	03/09/21 12:50	03/11/21 10:23	
890-322-7	MW-14	Water	03/09/21 14:45	03/11/21 10:23	
890-322-8	MW-21	Water	03/09/21 09:30	03/11/21 10:23	
890-322-9	MW-22	Water	03/09/21 11:30	03/11/21 10:23	
890-322-10	MW-26	Water	03/09/21 13:00	03/11/21 10:23	
890-322-11	MW-27	Water	03/09/21 16:00	03/11/21 10:23	

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	D. Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	
Address:	408 W. Texas Ave.	Address:	ATTN: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

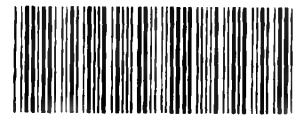
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Moore to Jal #1 (MTJ 1)	Turn Around	
Project Number:	700376.044.04	☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	Michael Collier	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10270		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	IR-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.0 / 5.8	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

ANALYSIS REQUEST

Pres. Code / Parameters



Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	PAH	Sample Comments
MW-34	GW	3/8/2021	11:00	N/A	Grab/	5	X	X	Email Analyticals
MW-35			12:30			5			to Camille Bryant
MW-36			2:00			5			
MW-41		3/9/2021	9:15			3			
MW-39			10:30			3			
MW-40			12:50			3			
MW-14			2:45			3			
MW-21			9:30			3			
MW-22			11:30			3			
MW-26			1:00			3			

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3.11.21 1023	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

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:	
Address:	408 W. Texas Ave.	Address:	ATTN: Camille Bryant
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 #1 (MTJ 1)	Turn Around		Pres. Code	
Project Number:	700376.044.04	☑ Routine	☐ Rush		
Project Location:	Lea County, NM	Due Date:			
Sampler's Name:	Michael Collier	TAT starts the day received by the lab, if received by 4:30pm			
PO #:	SRS# 2002-10270				

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	See Page 1	
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	Parameters: BTEX	Parameters: PAH	Sample Comments
MW-27	GW	3/9/2021	4:00	N/A	Grab/	5	X	X	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		3.11.21 1023	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-322-1
SDG Number: 700376.044.04

Login Number: 322
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-450-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore To Jal 1

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

Attn: David Adkins

JKRAMER

Authorized for release by:
4/2/2021 11:06:53 AM

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

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

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

Client: Talon/LPE
Project/Site: Moore To Jal 1

Laboratory Job ID: 890-450-1
SDG: Lea County NM

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 10
Lab Chronicle 11
Certification Summary 12
Method Summary 13
Sample Summary 14
Chain of Custody 15
Receipt Checklists 17

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore To Jal 1

Job ID: 890-450-1
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 1

Job ID: 890-450-1
SDG: Lea County NM

Job ID: 890-450-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-450-1

Receipt

The samples were received on 3/29/2021 3:31 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 17.4°C

GC VOA

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

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal 1

Job ID: 890-450-1
SDG: Lea County NM

Client Sample ID: MW-17

Lab Sample ID: 890-450-1
Date Collected: 03/29/21 09:00
Matrix: Water
Date Received: 03/29/21 15:31

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 03:40	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 03:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 03:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 03:40	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 03:40	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 03:40	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*04/02/21 03:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*04/02/21 03:40*	*1*

Client Sample ID: MW-23

Lab Sample ID: 890-450-2
Date Collected: 03/29/21 09:28
Matrix: Water
Date Received: 03/29/21 15:31

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 04:05	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 04:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 04:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 04:05	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 04:05	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 04:05	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/02/21 04:05*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*04/02/21 04:05*	*1*

Client Sample ID: MW-28

Lab Sample ID: 890-450-3
Date Collected: 03/29/21 09:56
Matrix: Water
Date Received: 03/29/21 15:31

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 04:31	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 04:31	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 04:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 04:31	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 04:31	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 04:31	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 04:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*04/02/21 04:31*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*04/02/21 04:31*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal 1

Job ID: 890-450-1
SDG: Lea County NM

Client Sample ID: MW-37

Lab Sample ID: 890-450-4
Date Collected: 03/29/21 10:27
Matrix: Water
Date Received: 03/29/21 15:31

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 04:56	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 04:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 04:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 04:56	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 04:56	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 04:56	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*04/02/21 04:56*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*04/02/21 04:56*	*1*

Client Sample ID: MW-38

Lab Sample ID: 890-450-5
Date Collected: 03/29/21 10:53
Matrix: Water
Date Received: 03/29/21 15:31

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 05:21	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/02/21 05:21	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/02/21 05:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/02/21 05:21	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/02/21 05:21	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/02/21 05:21	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/02/21 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/02/21 05:21*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*04/02/21 05:21*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore To Jal 1

Job ID: 890-450-1
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)										
890-450-1	MW-17	97	100										
890-450-2	MW-23	108	107										
890-450-3	MW-28	108	103										
890-450-4	MW-37	114	108										
890-450-5	MW-38	103	103										
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 1

Job ID: 890-450-1
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 1

Job ID: 890-450-1
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 1

Job ID: 890-450-1
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
890-450-1	MW-17	Total/NA	Water	8021B	
890-450-2	MW-23	Total/NA	Water	8021B	
890-450-3	MW-28	Total/NA	Water	8021B	
890-450-4	MW-37	Total/NA	Water	8021B	
890-450-5	MW-38	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 1

Job ID: 890-450-1
SDG: Lea County NM

Client Sample ID: MW-17
Date Collected: 03/29/21 09:00
Date Received: 03/29/21 15:31

Lab Sample ID: 890-450-1
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 03:40	MR	XM

Client Sample ID: MW-23
Date Collected: 03/29/21 09:28
Date Received: 03/29/21 15:31

Lab Sample ID: 890-450-2
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 04:05	MR	XM

Client Sample ID: MW-28
Date Collected: 03/29/21 09:56
Date Received: 03/29/21 15:31

Lab Sample ID: 890-450-3
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 04:31	MR	XM

Client Sample ID: MW-37
Date Collected: 03/29/21 10:27
Date Received: 03/29/21 15:31

Lab Sample ID: 890-450-4
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 04:56	MR	XM

Client Sample ID: MW-38
Date Collected: 03/29/21 10:53
Date Received: 03/29/21 15:31

Lab Sample ID: 890-450-5
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 05:21	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 1

Job ID: 890-450-1
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 1

Job ID: 890-450-1
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 1

Job ID: 890-450-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-450-1	MW-17	Water	03/29/21 09:00	03/29/21 15:31	
890-450-2	MW-23	Water	03/29/21 09:28	03/29/21 15:31	
890-450-3	MW-28	Water	03/29/21 09:56	03/29/21 15:31	
890-450-4	MW-37	Water	03/29/21 10:27	03/29/21 15:31	
890-450-5	MW-38	Water	03/29/21 10:53	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#: 2002-10270
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 1	Turn Around	☑ Routine ☐ Rush
Project Number:	700376.044.04	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 #:	2002-10270		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	LNM-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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX
MW-17	Aq	3/29/21	09:00	N/A	G	3		✓
MW-23			09:28					
MW-38			09:56					
MW-37			10:27					
MW-38			10:53					

890-450 Chain of Custody

Preservative Codes

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

Sample Comments

Email Analytical to: 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		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 #: 890-450-1
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 1	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-17 (890-450-1)	3/29/21	09 00 Mountain		Water			X	3	
MW-23 (890-450-2)	3/29/21	09 28 Mountain		Water			X	3	
MW-28 (890-450-3)	3/29/21	09 56 Mountain		Water			X	3	
MW-37 (890-450-4)	3/29/21	10 27 Mountain		Water			X	3	
MW-38 (890-450-5)	3/29/21	10 53 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: Cue Cutter 3-30-21	Date/Time:	Company	Received by: Mitchell Lytle	Date/Time: 3/30/21 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: 890-450-1
SDG Number: Lea County NM

Login Number: 450
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: 890-450-1
SDG Number: Lea County NM

Login Number: 450
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/30/21 02:43 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: 890-875-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Moore to Jal #(MTJI)

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

Attn: David Adkins

JKRAMER

Authorized for release by:
6/29/2021 4:42:05 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 #(MTJI)

Laboratory Job ID: 890-875-1
SDG: Lea County

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 15
Lab Chronicle 16
Certification Summary 18
Method Summary 19
Sample Summary 20
Chain of Custody 21
Receipt Checklists 24

Definitions/Glossary

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

Job ID: 890-875-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
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 #(MTJI)

Job ID: 890-875-1
SDG: Lea County

Job ID: 890-875-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-875-1

Receipt

The samples were received on 6/25/2021 1:35 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 5.8°C

GC VOA

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

Client Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-34

Lab Sample ID: 890-875-1
Matrix: Water
Date Collected: 06/23/21 09:15
Date Received: 06/25/21 13:35

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			06/28/21 15:35	1
Toluene	**0.00112**	**J**	0.00200	0.000367	mg/L			06/28/21 15:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 15:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 15:35	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 15:35	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 15:35	1
Total BTEX	**0.00112**	**J**	0.00400	0.000657	mg/L			06/28/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/28/21 15:35*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*		*06/28/21 15:35*	*1*

Client Sample ID: MW-35

Lab Sample ID: 890-875-2
Matrix: Water
Date Collected: 06/23/21 09:50
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000536**	**J**	0.00200	0.000408	mg/L			06/28/21 22:45	1
Toluene	**0.00169**	**J**	0.00200	0.000367	mg/L			06/28/21 22:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 22:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 22:45	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 22:45	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 22:45	1
Total BTEX	**0.00223**	**J**	0.00400	0.000657	mg/L			06/28/21 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*		*06/28/21 22:45*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*06/28/21 22:45*	*1*

Client Sample ID: MW-36

Lab Sample ID: 890-875-3
Matrix: Water
Date Collected: 06/23/21 10:40
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000795**	**J F2 F1**	0.00200	0.000408	mg/L			06/29/21 04:36	1
Toluene	**0.00340**	**F2 F1**	0.00200	0.000367	mg/L			06/29/21 04:36	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	0.000657	mg/L			06/29/21 04:36	1
m-Xylene & p-Xylene	**0.000920**	**J F2 F1**	0.00400	0.000629	mg/L			06/29/21 04:36	1
o-Xylene	<0.00200	U F2 F1	0.00200	0.000642	mg/L			06/29/21 04:36	1
Xylenes, Total	**0.000920**	**J F2 F1**	0.00400	0.000642	mg/L			06/29/21 04:36	1
Total BTEX	**0.00512**	**F2 F1**	0.00400	0.000657	mg/L			06/29/21 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/21 04:36*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*06/29/21 04:36*	*1*

Client Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-41

Lab Sample ID: 890-875-4
Matrix: Water
Date Collected: 06/23/21 11:15
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000541**	**J**	0.00200	0.000408	mg/L			06/29/21 05:02	1
Toluene	**0.00241**		0.00200	0.000367	mg/L			06/29/21 05:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/29/21 05:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/29/21 05:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/29/21 05:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/29/21 05:02	1
Total BTEX	**0.00295**	**J**	0.00400	0.000657	mg/L			06/29/21 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/29/21 05:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*06/29/21 05:02*	*1*

Client Sample ID: MW-38

Lab Sample ID: 890-875-5
Matrix: Water
Date Collected: 06/24/21 07:50
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000758**	**J**	0.00200	0.000408	mg/L			06/28/21 17:16	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/28/21 17:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 17:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 17:16	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 17:16	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 17:16	1
Total BTEX	**0.000758**	**J**	0.00400	0.000657	mg/L			06/28/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/28/21 17:16*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*06/28/21 17:16*	*1*

Client Sample ID: MW-40

Lab Sample ID: 890-875-6
Matrix: Water
Date Collected: 06/24/21 08:15
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**25.5**		0.200	0.0408	mg/L			06/29/21 11:33	100
Toluene	<0.0400	U	0.0400	0.00734	mg/L			06/28/21 19:21	20
Ethylbenzene	**0.109**		0.0400	0.0131	mg/L			06/28/21 19:21	20
m-Xylene & p-Xylene	<0.0800	U	0.0800	0.0126	mg/L			06/28/21 19:21	20
o-Xylene	<0.0400	U	0.0400	0.0128	mg/L			06/28/21 19:21	20
Xylenes, Total	<0.0800	U	0.0800	0.0128	mg/L			06/28/21 19:21	20
Total BTEX	**26.0**		0.400	0.0657	mg/L			06/29/21 11:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*06/28/21 19:21*	*20*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*06/28/21 19:21*	*20*

Client Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-37

Lab Sample ID: 890-875-7
Matrix: Water
Date Collected: 06/24/21 09:00
Date Received: 06/25/21 13:35

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			06/28/21 17:41	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/28/21 17:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 17:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 17:41	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 17:41	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 17:41	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/28/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/28/21 17:41*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*06/28/21 17:41*	*1*

Client Sample ID: MW-27

Lab Sample ID: 890-875-8
Matrix: Water
Date Collected: 06/24/21 10:00
Date Received: 06/25/21 13:35

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			06/28/21 18:05	1
Toluene	**0.000678**	**J**	0.00200	0.000367	mg/L			06/28/21 18:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 18:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 18:05	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 18:05	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 18:05	1
Total BTEX	**0.000678**	**J**	0.00400	0.000657	mg/L			06/28/21 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*		*06/28/21 18:05*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*06/28/21 18:05*	*1*

Client Sample ID: MW-14

Lab Sample ID: 890-875-9
Matrix: Water
Date Collected: 06/24/21 12:00
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000451**	**J**	0.00200	0.000408	mg/L			06/28/21 18:30	1
Toluene	**0.000782**	**J**	0.00200	0.000367	mg/L			06/28/21 18:30	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 18:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 18:30	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 18:30	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 18:30	1
Total BTEX	**0.00123**	**J**	0.00400	0.000657	mg/L			06/28/21 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*06/28/21 18:30*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*06/28/21 18:30*	*1*

Client Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-26

Lab Sample ID: 890-875-10
Matrix: Water
Date Collected: 06/24/21 01:30
Date Received: 06/25/21 13:35

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			06/28/21 18:56	1
Toluene	**0.000801**	**J**	0.00200	0.000367	mg/L			06/28/21 18:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 18:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 18:56	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 18:56	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 18:56	1
Total BTEX	**0.000801**	**J**	0.00400	0.000657	mg/L			06/28/21 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/28/21 18:56*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*06/28/21 18:56*	*1*

Client Sample ID: MW-23

Lab Sample ID: 890-875-11
Matrix: Water
Date Collected: 06/24/21 02:00
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000415**	**J**	0.00200	0.000408	mg/L			06/28/21 21:04	1
Toluene	**0.000771**	**J**	0.00200	0.000367	mg/L			06/28/21 21:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 21:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 21:04	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 21:04	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 21:04	1
Total BTEX	**0.00119**	**J**	0.00400	0.000657	mg/L			06/28/21 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*06/28/21 21:04*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*06/28/21 21:04*	*1*

Client Sample ID: MW-39

Lab Sample ID: 890-875-12
Matrix: Water
Date Collected: 06/24/21 03:15
Date Received: 06/25/21 13:35

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0584**		0.00200	0.000408	mg/L			06/28/21 21:29	1
Toluene	**0.000661**	**J**	0.00200	0.000367	mg/L			06/28/21 21:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 21:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 21:29	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 21:29	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 21:29	1
Total BTEX	**0.0591**		0.00400	0.000657	mg/L			06/28/21 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*		*06/28/21 21:29*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*06/28/21 21:29*	*1*

Client Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-22

Date Collected: 06/25/21 10:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-13

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			06/28/21 21:54	1
Toluene	**0.000591**	**J**	0.00200	0.000367	mg/L			06/28/21 21:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 21:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 21:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 21:54	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 21:54	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/28/21 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*06/28/21 21:54*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*06/28/21 21:54*	*1*

Client Sample ID: MW-21

Date Collected: 06/25/21 10:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-14

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			06/28/21 22:20	1
Toluene	**0.000621**	**J**	0.00200	0.000367	mg/L			06/28/21 22:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 22:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 22:20	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 22:20	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/28/21 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*06/28/21 22:20*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*		*06/28/21 22:20*	*1*

Surrogate Summary

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

Job ID: 890-875-1
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)										
890-875-1	MW-34	91	76										
890-875-1 MS	MW-34	76	94										
890-875-1 MSD	MW-34	84	100										
890-875-2	MW-35	90	96										
890-875-3	MW-36	99	86										
890-875-3 MS	MW-36	98	108										
890-875-3 MSD	MW-36	91	101										
890-875-4	MW-41	99	94										
890-875-5	MW-38	98	96										
890-875-6	MW-40	79	103										
890-875-7	MW-37	92	98										
890-875-8	MW-27	89	98										
890-875-9	MW-14	96	99										
890-875-10	MW-26	95	99										
890-875-11	MW-23	99	88										
890-875-12	MW-39	91	97										
890-875-13	MW-22	92	92										
890-875-14	MW-21	95	96										
LCS 880-4700/3	Lab Control Sample	91	105										
LCS 880-4700/34	Lab Control Sample	89	101										
LCSD 880-4700/35	Lab Control Sample Dup	89	100										
LCSD 880-4700/4	Lab Control Sample Dup	112	84										
MB 880-4700/39	Method Blank	61 S1-	84										
MB 880-4700/8	Method Blank	58 S1-	84										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

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

Job ID: 890-875-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4700/39
Matrix: Water
Analysis Batch: 4700

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			06/29/21 04:11	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/29/21 04:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/29/21 04:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/29/21 04:11	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/29/21 04:11	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/29/21 04:11	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/29/21 04:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*		*06/29/21 04:11*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*06/29/21 04:11*	*1*

Lab Sample ID: MB 880-4700/8
Matrix: Water
Analysis Batch: 4700

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			06/28/21 15:10	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/28/21 15:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/28/21 15:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/28/21 15:10	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/28/21 15:10	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/28/21 15:10	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/28/21 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*58*	*S1-*	*70 - 130*		*06/28/21 15:10*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*06/28/21 15:10*	*1*

Lab Sample ID: LCS 880-4700/3
Matrix: Water
Analysis Batch: 4700

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	0.09135		mg/L		91	70 - 130
Toluene	0.100	0.1040		mg/L		104	70 - 130
Ethylbenzene	0.100	0.08567		mg/L		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1804		mg/L		90	70 - 130
o-Xylene	0.100	0.09135		mg/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

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

Job ID: 890-875-1
SDG: Lea County

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

Lab Sample ID: LCS 880-4700/34
Matrix: Water
Analysis Batch: 4700

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	0.08785		mg/L		88	70 - 130		
Toluene			0.100	0.1004		mg/L		100	70 - 130		
Ethylbenzene			0.100	0.07939		mg/L		79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1681		mg/L		84	70 - 130		
o-Xylene			0.100	0.08751		mg/L		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-4700/35
Matrix: Water
Analysis Batch: 4700

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	0.08707		mg/L		87	70 - 130	1	20
Toluene			0.100	0.08704		mg/L		87	70 - 130	14	20
Ethylbenzene			0.100	0.07917		mg/L		79	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.1679		mg/L		84	70 - 130	0	20
o-Xylene			0.100	0.08712		mg/L		87	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-4700/4
Matrix: Water
Analysis Batch: 4700

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	0.09510		mg/L		95	70 - 130	4	20
Toluene			0.100	0.09799		mg/L		98	70 - 130	6	20
Ethylbenzene			0.100	0.09181		mg/L		92	70 - 130	7	20
m-Xylene & p-Xylene			0.200	0.1921		mg/L		96	70 - 130	6	20
o-Xylene			0.100	0.09674		mg/L		97	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 890-875-1 MS
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-34
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	0.08040		mg/L		80	70 - 130		
Toluene	0.00112	J	0.100	0.07752		mg/L		76	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.07426		mg/L		74	70 - 130		

QC Sample Results

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

Job ID: 890-875-1
SDG: Lea County

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

Lab Sample ID: 890-875-1 MS
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-34
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1567		mg/L		78	70 - 130
o-Xylene	<0.00200	U	0.100	0.07920		mg/L		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-875-1 MSD
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-34
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	0.09277		mg/L		93	70 - 130	14	25
Toluene	0.00112	J	0.100	0.09333		mg/L		92	70 - 130	19	25
Ethylbenzene	<0.00200	U	0.100	0.08395		mg/L		84	70 - 130	12	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1763		mg/L		88	70 - 130	12	25
o-Xylene	<0.00200	U	0.100	0.08894		mg/L		89	70 - 130	12	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-875-3 MS
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-36
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000795	J F2 F1	0.100	0.09699		mg/L		96	70 - 130
Toluene	0.00340	F2 F1	0.100	0.1102		mg/L		107	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.08988		mg/L		90	70 - 130
m-Xylene & p-Xylene	0.000920	J F2 F1	0.200	0.1898		mg/L		94	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.09929		mg/L		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 890-875-3 MSD
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-36
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000795	J F2 F1	0.100	0.05230	F2 F1	mg/L		52	70 - 130	60	25
Toluene	0.00340	F2 F1	0.100	0.03908	F2 F1	mg/L		36	70 - 130	95	25
Ethylbenzene	<0.00200	U F2 F1	0.100	0.02217	F2 F1	mg/L		22	70 - 130	121	25
m-Xylene & p-Xylene	0.000920	J F2 F1	0.200	0.04411	F2 F1	mg/L		22	70 - 130	125	25
o-Xylene	<0.00200	U F2 F1	0.100	0.02661	F2 F1	mg/L		27	70 - 130	115	25

QC Sample Results

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

Job ID: 890-875-1
SDG: Lea County

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

Lab Sample ID: 890-875-3 MSD
Matrix: Water
Analysis Batch: 4700

Client Sample ID: MW-36
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

QC Association Summary

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

Job ID: 890-875-1
SDG: Lea County

GC VOA

Analysis Batch: 4700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-875-1	MW-34	Total/NA	Water	8021B	
890-875-2	MW-35	Total/NA	Water	8021B	
890-875-3	MW-36	Total/NA	Water	8021B	
890-875-4	MW-41	Total/NA	Water	8021B	
890-875-5	MW-38	Total/NA	Water	8021B	
890-875-6	MW-40	Total/NA	Water	8021B	
890-875-6	MW-40	Total/NA	Water	8021B	
890-875-7	MW-37	Total/NA	Water	8021B	
890-875-8	MW-27	Total/NA	Water	8021B	
890-875-9	MW-14	Total/NA	Water	8021B	
890-875-10	MW-26	Total/NA	Water	8021B	
890-875-11	MW-23	Total/NA	Water	8021B	
890-875-12	MW-39	Total/NA	Water	8021B	
890-875-13	MW-22	Total/NA	Water	8021B	
890-875-14	MW-21	Total/NA	Water	8021B	
MB 880-4700/39	Method Blank	Total/NA	Water	8021B	
MB 880-4700/8	Method Blank	Total/NA	Water	8021B	
LCS 880-4700/3	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-4700/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-4700/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-4700/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-875-1 MS	MW-34	Total/NA	Water	8021B	
890-875-1 MSD	MW-34	Total/NA	Water	8021B	
890-875-3 MS	MW-36	Total/NA	Water	8021B	
890-875-3 MSD	MW-36	Total/NA	Water	8021B	

Lab Chronicle

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-34
Date Collected: 06/23/21 09:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-1
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	4700	06/28/21 15:35	MR	XEN MID

Client Sample ID: MW-35
Date Collected: 06/23/21 09:50
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-2
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	4700	06/28/21 22:45	MR	XEN MID

Client Sample ID: MW-36
Date Collected: 06/23/21 10:40
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-3
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	4700	06/29/21 04:36	MR	XEN MID

Client Sample ID: MW-41
Date Collected: 06/23/21 11:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-4
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	4700	06/29/21 05:02	MR	XEN MID

Client Sample ID: MW-38
Date Collected: 06/24/21 07:50
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-5
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	4700	06/28/21 17:16	MR	XEN MID

Client Sample ID: MW-40
Date Collected: 06/24/21 08:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-6
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		20	5 mL	5 mL	4700	06/28/21 19:21	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	4700	06/29/21 11:33	MR	XEN MID

Client Sample ID: MW-37
Date Collected: 06/24/21 09:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-7
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	4700	06/28/21 17:41	MR	XEN MID

Lab Chronicle

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

Job ID: 890-875-1
SDG: Lea County

Client Sample ID: MW-27
Date Collected: 06/24/21 10:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-8
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	4700	06/28/21 18:05	MR	XEN MID

Client Sample ID: MW-14
Date Collected: 06/24/21 12:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-9
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	4700	06/28/21 18:30	MR	XEN MID

Client Sample ID: MW-26
Date Collected: 06/24/21 01:30
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-10
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	4700	06/28/21 18:56	MR	XEN MID

Client Sample ID: MW-23
Date Collected: 06/24/21 02:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-11
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	4700	06/28/21 21:04	MR	XEN MID

Client Sample ID: MW-39
Date Collected: 06/24/21 03:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-12
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	4700	06/28/21 21:29	MR	XEN MID

Client Sample ID: MW-22
Date Collected: 06/25/21 10:00
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-13
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	4700	06/28/21 21:54	MR	XEN MID

Client Sample ID: MW-21
Date Collected: 06/25/21 10:15
Date Received: 06/25/21 13:35

Lab Sample ID: 890-875-14
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	4700	06/28/21 22:20	MR	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

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

Job ID: 890-875-1
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: Moore to Jal #(MTJI)

Job ID: 890-875-1
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: Moore to Jal #(MTJI)

Job ID: 890-875-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-875-1	MW-34	Water	06/23/21 09:15	06/25/21 13:35	
890-875-2	MW-35	Water	06/23/21 09:50	06/25/21 13:35	
890-875-3	MW-36	Water	06/23/21 10:40	06/25/21 13:35	
890-875-4	MW-41	Water	06/23/21 11:15	06/25/21 13:35	
890-875-5	MW-38	Water	06/24/21 07:50	06/25/21 13:35	
890-875-6	MW-40	Water	06/24/21 08:15	06/25/21 13:35	
890-875-7	MW-37	Water	06/24/21 09:00	06/25/21 13:35	
890-875-8	MW-27	Water	06/24/21 10:00	06/25/21 13:35	
890-875-9	MW-14	Water	06/24/21 12:00	06/25/21 13:35	
890-875-10	MW-26	Water	06/24/21 01:30	06/25/21 13:35	
890-875-11	MW-23	Water	06/24/21 02:00	06/25/21 13:35	
890-875-12	MW-39	Water	06/24/21 03:15	06/25/21 13:35	
890-875-13	MW-22	Water	06/25/21 10:00	06/25/21 13:35	
890-875-14	MW-21	Water	06/25/21 10:15	06/25/21 13:35	

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	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 # 2002-10270
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

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

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TWM_007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	6.0	
Total Containers:		Corrected Temperature:	5.8	

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: BTEX 8021B	Sample Comments
MW-34	GW	6/23/21	9:15	NA		3	X	Email Analyticals to: CJBryant@paalp.com ALGroves@paalp.com MAcha@paalp.com
MW-35			9:50					
MW-36			10:40					
MW-41			11:15					
MW-38		6/24/21	7:50					
MW-40			8:15					
MW-37			9:00					
MW-27			10:00					
MW-14			12:00					
MW-26			1:30					

890-875 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		6.25.21 1332	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

Work Order No: _____

www.xenco.com Page 2 of 2

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 # 2002-10270
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	Moore to J&I #1(MTJ1)	Turn Around	☐Routine ☐Rush
Project Number:		Due Date:	
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Roy Bell, JR MYSC		
PO #:	SRS # 2002-10270		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	Pg1
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
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-23	GW	6/24/21	2:00	N/A		3		X	Email Analytical to:
MW-39		6/24/21	3:15						CJBryant@paalp.com
MW-22		6/25/21	10:00						ALGraves@paalp.com
MW-21		6/25/21	10:15						MaDeRosa@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		6.28.21 1332	2		
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: 890-280 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 #: 890-875-1
Address: 1211 W Florida Ave	Due Date Requested: 7/1/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701	PO #:			
Phone: 432-704-5440(Tel)	WO #:			
Email	Project #: 89000047			
Project Name: Moore to Jal #(MTJI)	SSOW#:			
Site:				

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-34 (890-875-1)	6/23/21	09 15 Mountain		Water			X	3	
MW-35 (890-875-2)	6/23/21	09 50 Mountain		Water			X	3	
MW-36 (890-875-3)	6/23/21	10 40 Mountain		Water			X	3	
MW-41 (890-875-4)	6/23/21	11 15 Mountain		Water			X	3	
MW-38 (890-875-5)	6/24/21	07 50 Mountain		Water			X	3	
MW-40 (890-875-6)	6/24/21	08 15 Mountain		Water			X	3	
MW-37 (890-875-7)	6/24/21	09 00 Mountain		Water			X	3	
MW-27 (890-875-8)	6/24/21	10 00 Mountain		Water			X	3	
MW-14 (890-875-9)	6/24/21	12 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
	Relinquished by: Cee Cee 6 25 21					
	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: 890-875-1
SDG Number: Lea County

Login Number: 875
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: 890-875-1
SDG Number: Lea County

Login Number: 875
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 06/28/21 09:12 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").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1253-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore To Jal #1 (MTJ#1)

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

Attn: David Adkins

Holly Taylor

Authorized for release by:
9/24/2021 9:37:11 AM
Holly Taylor, Project Manager
holly.taylor@eurofinset.com

Designee for

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

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

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

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Laboratory Job ID: 890-1253-1
SDG: Lea County NM

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 10
QC Sample Results 11
QC Association Summary 17
Lab Chronicle 18
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 27

Definitions/Glossary

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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 #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Job ID: 890-1253-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1253-1

Receipt
The samples were received on 9/15/2021 8:15 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 time was 1.2°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-8014 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-21 (890-1253-1), MW-22 (890-1253-2), MW-26 (890-1253-3), MW-27 (890-1253-4), MW-14 (890-1253-5), MW-37 (890-1253-6), MW-38 (890-1253-7), MW-40 (890-1253-8), MW-41 (890-1253-9), MW-36 (890-1253-10), MW-35 (890-1253-11), MW-34 (890-1253-12) and MW-39 (890-1253-13). Evidence of matrix interferences is not obvious.

Method 8021B: 1,4-Difluorobenzene recovery for the following samples were outside the upper control limit: (LCS 880-8163/52), (LCSD 880-8163/53), (MB 880-8138/5-A), (890-1276-H-1 MS) and (890-1276-H-1 MSD). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-8163 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-8163/52), (LCSD 880-8163/53), (MB 880-8138/5-A), (890-1276-H-1 MS) and (890-1276-H-1 MSD). Evidence of matrix interferences is not obvious.

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

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-21

Lab Sample ID: 890-1253-1
Matrix: Water
Date Collected: 09/14/21 09:00
Date Received: 09/15/21 08:15
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 F1	0.00200	0.000408	mg/L			09/17/21 12:44	1
Toluene	<0.00200	U F1	0.00200	0.000367	mg/L			09/17/21 12:44	1
Ethylbenzene	<0.00200	U F1	0.00200	0.000657	mg/L			09/17/21 12:44	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400	0.000629	mg/L			09/17/21 12:44	1
o-Xylene	<0.00200	U F1	0.00200	0.000642	mg/L			09/17/21 12:44	1
Xylenes, Total	<0.00400	U F1	0.00400	0.000642	mg/L			09/17/21 12:44	1
Total BTEX	<0.00400	U F1	0.00400	0.000657	mg/L			09/17/21 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*		*09/17/21 12:44*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*		*09/17/21 12:44*	*1*

Client Sample ID: MW-22

Lab Sample ID: 890-1253-2
Matrix: Water
Date Collected: 09/14/21 12:45
Date Received: 09/15/21 08:15
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			09/17/21 13:10	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 13:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 13:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 13:10	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 13:10	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 13:10	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*		*09/17/21 13:10*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*		*09/17/21 13:10*	*1*

Client Sample ID: MW-26

Lab Sample ID: 890-1253-3
Matrix: Water
Date Collected: 09/14/21 10:30
Date Received: 09/15/21 08:15
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			09/17/21 13:36	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 13:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 13:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 13:36	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 13:36	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 13:36	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*		*09/17/21 13:36*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*		*09/17/21 13:36*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-27

Lab Sample ID: 890-1253-4
Matrix: Water
Date Collected: 09/14/21 12:20
Date Received: 09/15/21 08:15
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			09/17/21 14:02	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 14:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 14:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 14:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 14:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 14:02	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*		*09/17/21 14:02*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*		*09/17/21 14:02*	*1*

Client Sample ID: MW-14

Lab Sample ID: 890-1253-5
Matrix: Water
Date Collected: 09/14/21 12:00
Date Received: 09/15/21 08:15
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00239**		0.00200	0.000408	mg/L			09/17/21 14:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 14:28	1
Ethylbenzene	**0.000943**	**J**	0.00200	0.000657	mg/L			09/17/21 14:28	1
m-Xylene & p-Xylene	**0.000773**	**J**	0.00400	0.000629	mg/L			09/17/21 14:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 14:28	1
Xylenes, Total	**0.000773**	**J**	0.00400	0.000642	mg/L			09/17/21 14:28	1
Total BTEX	**0.00411**		0.00400	0.000657	mg/L			09/17/21 14:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*211*	*S1+*	*70 - 130*		*09/17/21 14:28*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*		*09/17/21 14:28*	*1*

Client Sample ID: MW-37

Lab Sample ID: 890-1253-6
Matrix: Water
Date Collected: 09/14/21 11:30
Date Received: 09/15/21 08:15
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			09/17/21 14:54	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 14:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 14:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 14:54	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 14:54	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 14:54	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*		*09/17/21 14:54*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*		*09/17/21 14:54*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-38

Lab Sample ID: 890-1253-7
Matrix: Water
Date Collected: 09/14/21 11:00
Date Received: 09/15/21 08:15
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			09/17/21 15:20	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 15:20	1
Ethylbenzene	**0.00136**	**J**	0.00200	0.000657	mg/L			09/17/21 15:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 15:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 15:20	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 15:20	1
Total BTEX	**0.00136**	**J**	0.00400	0.000657	mg/L			09/17/21 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*S1+*	*70 - 130*		*09/17/21 15:20*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*09/17/21 15:20*	*1*

Client Sample ID: MW-40

Lab Sample ID: 890-1253-8
Matrix: Water
Date Collected: 09/14/21 10:25
Date Received: 09/15/21 08:15
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**24.7**	***1**	0.200	0.0408	mg/L			09/22/21 17:07	100
Toluene	<0.200	U	0.200	0.0367	mg/L			09/22/21 17:07	100
Ethylbenzene	**0.394**		0.200	0.0657	mg/L			09/22/21 17:07	100
m-Xylene & p-Xylene	<0.400	U	0.400	0.0629	mg/L			09/22/21 17:07	100
o-Xylene	<0.200	U	0.200	0.0642	mg/L			09/22/21 17:07	100
Xylenes, Total	<0.400	U	0.400	0.0642	mg/L			09/22/21 17:07	100
Total BTEX	**25.1**		0.400	0.0657	mg/L			09/22/21 17:07	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*		*09/22/21 17:07*	*100*
1,4-Difluorobenzene (Surr)	*362*	*S1+*	*70 - 130*		*09/22/21 17:07*	*100*

Client Sample ID: MW-41

Lab Sample ID: 890-1253-9
Matrix: Water
Date Collected: 09/13/21 11:00
Date Received: 09/15/21 08:15
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			09/17/21 15:46	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 15:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 15:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 15:46	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 15:46	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 15:46	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*		*09/17/21 15:46*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*		*09/17/21 15:46*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-36

Lab Sample ID: 890-1253-10
Matrix: Water
Date Collected: 09/13/21 11:45
Date Received: 09/15/21 08:15
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			09/17/21 16:12	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 16:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 16:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 16:12	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 16:12	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 16:12	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*		*09/17/21 16:12*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*		*09/17/21 16:12*	*1*

Client Sample ID: MW-35

Lab Sample ID: 890-1253-11
Matrix: Water
Date Collected: 09/13/21 12:15
Date Received: 09/15/21 08:15
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			09/17/21 18:23	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 18:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 18:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 18:23	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 18:23	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 18:23	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*199*	*S1+*	*70 - 130*		*09/17/21 18:23*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*09/17/21 18:23*	*1*

Client Sample ID: MW-34

Lab Sample ID: 890-1253-12
Matrix: Water
Date Collected: 09/13/21 14:00
Date Received: 09/15/21 08:15
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			09/17/21 18:49	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 18:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 18:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 18:49	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 18:49	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 18:49	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*		*09/17/21 18:49*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*		*09/17/21 18:49*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-39

Date Collected: 09/13/21 15:20
Date Received: 09/15/21 08:15
Sample Depth: N/A

Lab Sample ID: 890-1253-13

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00611**		0.00200	0.000408	mg/L			09/17/21 19:14	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 19:14	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 19:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 19:14	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 19:14	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 19:14	1
Total BTEX	**0.00611**		0.00400	0.000657	mg/L			09/17/21 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*		*09/17/21 19:14*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*		*09/17/21 19:14*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
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)										
890-1253-1	MW-21	173 S1+	81										
890-1253-1 MS	MW-21	164 S1+	117										
890-1253-1 MSD	MW-21	175 S1+	104										
890-1253-2	MW-22	161 S1+	121										
890-1253-3	MW-26	165 S1+	126										
890-1253-4	MW-27	170 S1+	120										
890-1253-5	MW-14	211 S1+	112										
890-1253-6	MW-37	175 S1+	118										
890-1253-7	MW-38	188 S1+	104										
890-1253-8	MW-40	192 S1+	362 S1+										
890-1253-9	MW-41	186 S1+	123										
890-1253-10	MW-36	173 S1+	113										
890-1253-11	MW-35	199 S1+	103										
890-1253-12	MW-34	165 S1+	114										
890-1253-13	MW-39	181 S1+	123										
890-1264-A-1 MS	Matrix Spike	95	96										
890-1264-A-1 MSD	Matrix Spike Duplicate	95	100										
890-1276-H-1 MS	Matrix Spike	141 S1+	256 S1+										
890-1276-H-1 MSD	Matrix Spike Duplicate	140 S1+	314 S1+										
LCS 880-8014/3	Lab Control Sample	164 S1+	112										
LCS 880-8153/3	Lab Control Sample	118	108										
LCS 880-8163/52	Lab Control Sample	130	306 S1+										
LCSD 880-8014/4	Lab Control Sample Dup	137 S1+	94										
LCSD 880-8153/4	Lab Control Sample Dup	112	106										
LCSD 880-8163/53	Lab Control Sample Dup	108	197 S1+										
MB 880-8014/8	Method Blank	98	102										
MB 880-8138/5-A	Method Blank	76	297 S1+										
MB 880-8153/8	Method Blank	79	95										
MB 880-8163/57	Method Blank	93	336 S1+										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8014/8
Matrix: Water
Analysis Batch: 8014

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			09/17/21 12:18	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/17/21 12:18	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/17/21 12:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/17/21 12:18	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/17/21 12:18	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/17/21 12:18	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/17/21 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*09/17/21 12:18*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*09/17/21 12:18*	*1*

Lab Sample ID: LCS 880-8014/3
Matrix: Water
Analysis Batch: 8014

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	0.1129		mg/L		113	70 - 130		
Toluene			0.100	0.1191		mg/L		119	70 - 130		
Ethylbenzene			0.100	0.1160		mg/L		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2356		mg/L		118	70 - 130		
o-Xylene			0.100	0.1246		mg/L		125	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-8014/4
Matrix: Water
Analysis Batch: 8014

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	0.09977		mg/L		100	70 - 130	12	20
Toluene			0.100	0.1083		mg/L		108	70 - 130	10	20
Ethylbenzene			0.100	0.1031		mg/L		103	70 - 130	12	20
m-Xylene & p-Xylene			0.200	0.2064		mg/L		103	70 - 130	13	20
o-Xylene			0.100	0.1103		mg/L		110	70 - 130	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-1253-1 MS
Matrix: Water
Analysis Batch: 8014

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1	0.100	0.1219		mg/L		122	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

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

Lab Sample ID: 890-1253-1 MS
Matrix: Water
Analysis Batch: 8014

Client Sample ID: MW-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U F1	0.100	0.1275		mg/L		128	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.1246		mg/L		125	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.2545		mg/L		127	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.1316	F1	mg/L		132	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*164*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 890-1253-1 MSD
Matrix: Water
Analysis Batch: 8014

Client Sample ID: MW-21
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 F1	0.100	0.1399	F1	mg/L		140	70 - 130	14	25
Toluene	<0.00200	U F1	0.100	0.1389	F1	mg/L		139	70 - 130	9	25
Ethylbenzene	<0.00200	U F1	0.100	0.1439	F1	mg/L		144	70 - 130	14	25
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.2942	F1	mg/L		147	70 - 130	14	25
o-Xylene	<0.00200	U F1	0.100	0.1529	F1	mg/L		153	70 - 130	15	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*175*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-8138/5-A
Matrix: Water
Analysis Batch: 8163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		09/20/21 13:54	09/22/21 03:49	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		09/20/21 13:54	09/22/21 03:49	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		09/20/21 13:54	09/22/21 03:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		09/20/21 13:54	09/22/21 03:49	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		09/20/21 13:54	09/22/21 03:49	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L		09/20/21 13:54	09/22/21 03:49	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L		09/20/21 13:54	09/22/21 03:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*09/20/21 13:54*	*09/22/21 03:49*	*1*
1,4-Difluorobenzene (Surr)	*297*	*S1+*	*70 - 130*	*09/20/21 13:54*	*09/22/21 03:49*	*1*

Lab Sample ID: MB 880-8153/8
Matrix: Water
Analysis Batch: 8153

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			09/20/21 19:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/20/21 19:37	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-8153/8
Matrix: Water
Analysis Batch: 8153

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/20/21 19:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/20/21 19:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/20/21 19:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/20/21 19:37	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/20/21 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*09/20/21 19:37*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*09/20/21 19:37*	*1*

Lab Sample ID: LCS 880-8153/3
Matrix: Water
Analysis Batch: 8153

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	0.09903		mg/L		99	70 - 130		
Toluene			0.100	0.09893		mg/L		99	70 - 130		
Ethylbenzene			0.100	0.1024		mg/L		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2291		mg/L		115	70 - 130		
o-Xylene			0.100	0.1101		mg/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-8153/4
Matrix: Water
Analysis Batch: 8153

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	0.09618		mg/L		96	70 - 130	3	20
Toluene			0.100	0.1038		mg/L		104	70 - 130	5	20
Ethylbenzene			0.100	0.09945		mg/L		99	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.2232		mg/L		112	70 - 130	3	20
o-Xylene			0.100	0.1086		mg/L		109	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-1264-A-1 MS
Matrix: Water
Analysis Batch: 8153

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	0.00215		0.100	0.07993		mg/L		78	70 - 130		
Toluene	<0.00200	U	0.100	0.08894		mg/L		89	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.08522		mg/L		85	70 - 130		

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QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

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

Lab Sample ID: 890-1264-A-1 MS
Matrix: Water
Analysis Batch: 8153

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
m-Xylene & p-Xylene	0.000702	J	0.200	0.1904		mg/L		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.09240		mg/L		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-1264-A-1 MSD
Matrix: Water
Analysis Batch: 8153

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	0.00215		0.100	0.08408		mg/L		82	70 - 130	5	25
Toluene	<0.00200	U	0.100	0.09524		mg/L		95	70 - 130	7	25
Ethylbenzene	<0.00200	U	0.100	0.09015		mg/L		90	70 - 130	6	25
m-Xylene & p-Xylene	0.000702	J	0.200	0.2024		mg/L		101	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09814		mg/L		98	70 - 130	6	25

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

Lab Sample ID: MB 880-8163/57
Matrix: Water
Analysis Batch: 8163

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			09/22/21 15:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/22/21 15:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/22/21 15:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/22/21 15:22	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/22/21 15:22	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/22/21 15:22	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/22/21 15:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*09/22/21 15:22*	*1*
1,4-Difluorobenzene (Surr)	*336*	*S1+*	*70 - 130*		*09/22/21 15:22*	*1*

Lab Sample ID: LCS 880-8163/52
Matrix: Water
Analysis Batch: 8163

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	0.1244		mg/L		124	70 - 130
Toluene	0.100	0.1124		mg/L		112	70 - 130
Ethylbenzene	0.100	0.1081		mg/L		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2394		mg/L		120	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-8163/52
Matrix: Water
Analysis Batch: 8163

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.1177		mg/L		118	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*
1,4-Difluorobenzene (Surr)	*306*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-8163/53
Matrix: Water
Analysis Batch: 8163

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	0.09505	*1	mg/L		95	70 - 130	27	20
Toluene			0.100	0.1028		mg/L		103	70 - 130	9	20
Ethylbenzene			0.100	0.09797		mg/L		98	70 - 130	10	20
m-Xylene & p-Xylene			0.200	0.2135		mg/L		107	70 - 130	11	20
o-Xylene			0.100	0.1050		mg/L		105	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*197*	*S1+*	*70 - 130*

Lab Sample ID: 890-1276-H-1 MS
Matrix: Water
Analysis Batch: 8163

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 *1	0.100	0.1175		mg/L		118	70 - 130		
Toluene	0.000414	J F1	0.100	0.1269		mg/L		126	70 - 130		
Ethylbenzene	0.000933	J	0.100	0.1220		mg/L		121	70 - 130		
m-Xylene & p-Xylene	0.000868	J F1	0.200	0.2728	F1	mg/L		136	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.1313	F1	mg/L		131	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*256*	*S1+*	*70 - 130*

Lab Sample ID: 890-1276-H-1 MSD
Matrix: Water
Analysis Batch: 8163

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 *1	0.100	0.1227		mg/L		123	70 - 130	4	25
Toluene	0.000414	J F1	0.100	0.1359	F1	mg/L		135	70 - 130	7	25
Ethylbenzene	0.000933	J	0.100	0.1304		mg/L		129	70 - 130	7	25
m-Xylene & p-Xylene	0.000868	J F1	0.200	0.2913	F1	mg/L		145	70 - 130	7	25
o-Xylene	<0.00200	U F1	0.100	0.1392	F1	mg/L		139	70 - 130	6	25

QC Sample Results

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

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

Lab Sample ID: 890-1276-H-1 MSD
Matrix: Water
Analysis Batch: 8163

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

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*140*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*314*	*S1+*	*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

GC VOA

Analysis Batch: 8014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1253-1	MW-21	Total/NA	Water	8021B	
890-1253-2	MW-22	Total/NA	Water	8021B	
890-1253-3	MW-26	Total/NA	Water	8021B	
890-1253-4	MW-27	Total/NA	Water	8021B	
890-1253-5	MW-14	Total/NA	Water	8021B	
890-1253-6	MW-37	Total/NA	Water	8021B	
890-1253-7	MW-38	Total/NA	Water	8021B	
890-1253-9	MW-41	Total/NA	Water	8021B	
890-1253-10	MW-36	Total/NA	Water	8021B	
890-1253-11	MW-35	Total/NA	Water	8021B	
890-1253-12	MW-34	Total/NA	Water	8021B	
890-1253-13	MW-39	Total/NA	Water	8021B	
MB 880-8014/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8014/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8014/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1253-1 MS	MW-21	Total/NA	Water	8021B	
890-1253-1 MSD	MW-21	Total/NA	Water	8021B	

Prep Batch: 8138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8138/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 8153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8153/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8153/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8153/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1264-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-1264-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 8163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1253-8	MW-40	Total/NA	Water	8021B	
MB 880-8138/5-A	Method Blank	Total/NA	Water	8021B	8138
MB 880-8163/57	Method Blank	Total/NA	Water	8021B	
LCS 880-8163/52	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8163/53	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1276-H-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-1276-H-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-21
Date Collected: 09/14/21 09:00
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-1
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	8014	09/17/21 12:44	MR	XEN MID

Client Sample ID: MW-22
Date Collected: 09/14/21 12:45
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-2
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	8014	09/17/21 13:10	MR	XEN MID

Client Sample ID: MW-26
Date Collected: 09/14/21 10:30
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-3
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	8014	09/17/21 13:36	MR	XEN MID

Client Sample ID: MW-27
Date Collected: 09/14/21 12:20
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-4
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	8014	09/17/21 14:02	MR	XEN MID

Client Sample ID: MW-14
Date Collected: 09/14/21 12:00
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-5
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	8014	09/17/21 14:28	MR	XEN MID

Client Sample ID: MW-37
Date Collected: 09/14/21 11:30
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-6
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	8014	09/17/21 14:54	MR	XEN MID

Client Sample ID: MW-38
Date Collected: 09/14/21 11:00
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-7
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	8014	09/17/21 15:20	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Client Sample ID: MW-40
Date Collected: 09/14/21 10:25
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-8
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		100	5 mL	5 mL	8163	09/22/21 17:07	KL	XEN MID

Client Sample ID: MW-41
Date Collected: 09/13/21 11:00
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-9
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	8014	09/17/21 15:46	MR	XEN MID

Client Sample ID: MW-36
Date Collected: 09/13/21 11:45
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-10
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	8014	09/17/21 16:12	MR	XEN MID

Client Sample ID: MW-35
Date Collected: 09/13/21 12:15
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-11
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	8014	09/17/21 18:23	MR	XEN MID

Client Sample ID: MW-34
Date Collected: 09/13/21 14:00
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-12
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	8014	09/17/21 18:49	MR	XEN MID

Client Sample ID: MW-39
Date Collected: 09/13/21 15:20
Date Received: 09/15/21 08:15

Lab Sample ID: 890-1253-13
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	8014	09/17/21 19:14	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: Moore To Jal #1 (MTJ#1)

Job ID: 890-1253-1
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 #1 (MTJ#1)

Job ID: 890-1253-1
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 #1 (MTJ#1)

Job ID: 890-1253-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1253-1	MW-21	Water	09/14/21 09:00	09/15/21 08:15	N/A
890-1253-2	MW-22	Water	09/14/21 12:45	09/15/21 08:15	N/A
890-1253-3	MW-26	Water	09/14/21 10:30	09/15/21 08:15	N/A
890-1253-4	MW-27	Water	09/14/21 12:20	09/15/21 08:15	N/A
890-1253-5	MW-14	Water	09/14/21 12:00	09/15/21 08:15	N/A
890-1253-6	MW-37	Water	09/14/21 11:30	09/15/21 08:15	N/A
890-1253-7	MW-38	Water	09/14/21 11:00	09/15/21 08:15	N/A
890-1253-8	MW-40	Water	09/14/21 10:25	09/15/21 08:15	N/A
890-1253-9	MW-41	Water	09/13/21 11:00	09/15/21 08:15	N/A
890-1253-10	MW-36	Water	09/13/21 11:45	09/15/21 08:15	N/A
890-1253-11	MW-35	Water	09/13/21 12:15	09/15/21 08:15	N/A
890-1253-12	MW-34	Water	09/13/21 14:00	09/15/21 08:15	N/A
890-1253-13	MW-39	Water	09/13/21 15:20	09/15/21 08:15	N/A

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	D. 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 # 2002-10270
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 TOJAL #1 (MTJ #1)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	LEA COUNTY, NM	Due Date:	
Sampler's Name:	R. BELL / D. WINCHELL	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10270		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	NM-229	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4	
Total Containers:		Corrected Temperature:	1.2	

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX	Sample Comments
MW-21	GW	9-14-21	9:00 am	N/A	GRAB	3	X	EMAIL ANALYTICALS TO: CJBryant@paalp.com ALGroves@paalp.com Maochoa@paalp.com
MW-22			12:45 pm					
MW-26			10:30 am					
MW-27			12:20 pm					
MW-14			12:00 pm					
MW-37			11:30 am					
MW-38			11:00 am					
MW-40		9-14-21	10:25					
MW-41		9-13-21	11:00					
MW-36		1	11:45					

ANALYSIS REQUEST

Sample Comments

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		9-14-21 / 2:00 pm	2	9-15-21	813
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
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 # 2002-10270
Phone:	575-746-8768	Email:	dadkins@talon-lpe.com

Work Order Comments

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

Project Name:	MOORE TO JAL #1 (MTJ#1)	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location:	LEA COUNTY NM	Due Date:	
Sampler's Name:	R. BELL / D. WINCHELL	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2002-10270		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	~~Yes~~ No	
Samples Received Intact:	Yes No	Thermometer ID:	8	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0	
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	Parameters: BTEX	Sample Comments
MW-35	GW	9-13-21	12:15	N/A	GRAB	3	X	EMAIL ANALYTICALS TO: CJBryant@paalp.com ALTraves@paalp.com Maochoa@paalp.com
MW-34	"	"	2:00	"	"	"	"	
MW-39	"	"	3:20	"	"	"	"	

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

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		9.14.21 / 2:00pm	2	9.15.21	513
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: 890-407 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 #: 890-1253-1
Address: 1211 W Florida Ave ,	Due Date Requested: 9/21/2021			
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 #: 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-21 (890-1253-1)	9/14/21	09 00 Mountain		Water			X	3	
MW-22 (890-1253-2)	9/14/21	12 45 Mountain		Water			X	3	
MW-26 (890-1253-3)	9/14/21	10 30 Mountain		Water			X	3	
MW-27 (890-1253-4)	9/14/21	12 20 Mountain		Water			X	3	
MW-14 (890-1253-5)	9/14/21	12 00 Mountain		Water			X	3	
MW-37 (890-1253-6)	9/14/21	11 30 Mountain		Water			X	3	
MW-38 (890-1253-7)	9/14/21	11 00 Mountain		Water			X	3	
MW-40 (890-1253-8)	9/14/21	10 25 Mountain		Water			X	3	
MW-41 (890-1253-9)	9/13/21	11 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
N. Ellen	9/15/21 1118			9-16-21 11:20 AM	
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: 2.2, 2.4

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: 890-407 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 #: 890-1253-1
Address: 1211 W Florida Ave	Due Date Requested: 9/21/2021			
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 #: 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-36 (890-1253-10)	9/13/21	11 45 Mountain		Water			X	3	
MW-35 (890-1253-11)	9/13/21	12 15 Mountain		Water			X	3	
MW-34 (890-1253-12)	9/13/21	14 00 Mountain		Water			X	3	
MW-39 (890-1253-13)	9/13/21	15 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:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/15/21 11:18			9-16-21 11:20am	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		CF 2.7

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1253-1
SDG Number: Lea County NM

Login Number: 1253
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: 890-1253-1
SDG Number: Lea County NM

Login Number: 1253
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 09/16/21 11:14 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	2.2 / 2.7
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: 890-1342-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Moore to Jal #1

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

Attn: David Adkins

JKRAMER

Authorized for release by:
10/7/2021 9:58:47 PM

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

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

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

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

Laboratory Job ID: 890-1342-1
SDG: Lea County NM

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 6
QC Sample Results 7
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 16

Definitions/Glossary

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

Job ID: 890-1342-1
SDG: Lea County NM

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

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

Job ID: 890-1342-1
SDG: Lea County NM

Job ID: 890-1342-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1342-1

Receipt
The sample was received on 9/30/2021 2:57 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 time was 3.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-8777 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

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

Job ID: 890-1342-1
SDG: Lea County NM

Client Sample ID: MW-29

Date Collected: 09/30/21 10:30
Date Received: 09/30/21 14:57
Sample Depth: N/A

Lab Sample ID: 890-1342-1

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			10/04/21 13:02	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			10/04/21 13:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			10/04/21 13:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			10/04/21 13:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			10/04/21 13:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			10/04/21 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*		*10/04/21 13:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*10/04/21 13:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			10/05/21 09:19	1

Surrogate Summary

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

Job ID: 890-1342-1
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)										
890-1342-1	MW-29	130	94										
890-1342-1 MS	MW-29	122	106										
890-1342-1 MSD	MW-29	118	103										
LCS 880-8777/3	Lab Control Sample	118	101										
LCSD 880-8777/4	Lab Control Sample Dup	116	84										
MB 880-8777/8	Method Blank	72	10 S1-										

Surrogate Legend

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

QC Sample Results

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

Job ID: 890-1342-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8777/8
Matrix: Water
Analysis Batch: 8777

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			10/04/21 12:35	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			10/04/21 12:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			10/04/21 12:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			10/04/21 12:35	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			10/04/21 12:35	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			10/04/21 12:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*		*10/04/21 12:35*	*1*
1,4-Difluorobenzene (Surr)	*10*	*S1-*	*70 - 130*		*10/04/21 12:35*	*1*

Lab Sample ID: LCS 880-8777/3
Matrix: Water
Analysis Batch: 8777

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	0.09934		mg/L		99	70 - 130		
Toluene			0.100	0.1061		mg/L		106	70 - 130		
Ethylbenzene			0.100	0.1006		mg/L		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2191		mg/L		110	70 - 130		
o-Xylene			0.100	0.1080		mg/L		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-8777/4
Matrix: Water
Analysis Batch: 8777

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	0.08411		mg/L		84	70 - 130	17	20
Toluene			0.100	0.09684		mg/L		97	70 - 130	9	20
Ethylbenzene			0.100	0.09010		mg/L		90	70 - 130	11	20
m-Xylene & p-Xylene			0.200	0.1935		mg/L		97	70 - 130	12	20
o-Xylene			0.100	0.09646		mg/L		96	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*

Lab Sample ID: 890-1342-1 MS
Matrix: Water
Analysis Batch: 8777

Client Sample ID: MW-29
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	0.1109		mg/L		111	70 - 130		
Toluene	<0.00200	U	0.100	0.1194		mg/L		119	70 - 130		

Eurofins Xenco, Carlsbad

QC Sample Results

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

Job ID: 890-1342-1
SDG: Lea County NM

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

Lab Sample ID: 890-1342-1 MS
Matrix: Water
Analysis Batch: 8777

Client Sample ID: MW-29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.100	0.1132		mg/L		113	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2468		mg/L		123	70 - 130
o-Xylene	<0.00200	U	0.100	0.1218		mg/L		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-1342-1 MSD
Matrix: Water
Analysis Batch: 8777

Client Sample ID: MW-29
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	0.1151		mg/L		115	70 - 130	4	25
Toluene	<0.00200	U	0.100	0.1264		mg/L		126	70 - 130	6	25
Ethylbenzene	<0.00200	U	0.100	0.1189		mg/L		119	70 - 130	5	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2579		mg/L		129	70 - 130	4	25
o-Xylene	<0.00200	U	0.100	0.1285		mg/L		129	70 - 130	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

QC Association Summary

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

Job ID: 890-1342-1
SDG: Lea County NM

GC VOA

Analysis Batch: 8777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1342-1	MW-29	Total/NA	Water	8021B	
MB 880-8777/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8777/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8777/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1342-1 MS	MW-29	Total/NA	Water	8021B	
890-1342-1 MSD	MW-29	Total/NA	Water	8021B	

Analysis Batch: 8887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1342-1	MW-29	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 890-1342-1
SDG: Lea County NM

Client Sample ID: MW-29

Date Collected: 09/30/21 10:30
Date Received: 09/30/21 14:57

Lab Sample ID: 890-1342-1

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	8777	10/04/21 13:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8887	10/05/21 09:19	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: Moore to Jal #1

Job ID: 890-1342-1
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
Total BTEX		Water	Total BTEX

Method Summary

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

Job ID: 890-1342-1
SDG: Lea County NM

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 890-1342-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1342-1	MW-29	Water	09/30/21 10:30	09/30/21 14:57	N/A

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

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

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

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#7	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.0	
Total Containers:		Corrected Temperature:	3.8	

ANALYSIS REQUEST

Parameters: BTEX 8021B

890-1342 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	
MW-29	GW	9/30/21	10:30	N/A		3	X

Sample Comments

Email Analyticals to:
CBryant@paalp.com
ALGroves@paalp.com
Maochoa@paalp.com

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9-30-21 1457	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: 890-439 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 #: 890-1342-1
Address: 1211 W Florida Ave	Due Date Requested: 10/6/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1	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_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-29 (890-1342-1)	9/30/21	10 30 Mountain		Water			X	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
Clee Cisp 9-30-21			Kramer	10/1/21	
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.
		1.4/2.9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1342-1
SDG Number: Lea County NM

Login Number: 1342
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: 890-1342-1
SDG Number: Lea County NM

Login Number: 1342
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 10/01/21 11:05 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").	True	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1691-1
Client Project/Site: Moore to Jal #1

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

Attn: David Adkins

JKramer

Authorized for release by:
12/15/2021 2:49:38 PM

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

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

Laboratory Job ID: 890-1691-1

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Client Sample Results 5
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 16
Lab Chronicle 17
Certification Summary 20
Method Summary 21
Sample Summary 22
Chain of Custody 23
Receipt Checklists 27

Definitions/Glossary

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

Job ID: 890-1691-1

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

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

Job ID: 890-1691-1

Job ID: 890-1691-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1691-1

Receipt
The samples were received on 12/9/2021 8:03 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 time was 3.6°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 #1

Job ID: 890-1691-1

Client Sample ID: MW-41

Lab Sample ID: 890-1691-15
Matrix: Water
Date Collected: 12/07/21 12:00
Date Received: 12/09/21 08:03

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			12/11/21 01:59	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 01:59	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 01:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 01:59	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 01:59	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*		*12/11/21 01:59*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*		*12/11/21 01:59*	*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			12/14/21 10:16	1

Client Sample ID: MW-36

Lab Sample ID: 890-1691-16
Matrix: Water
Date Collected: 12/07/21 01:00
Date Received: 12/09/21 08:03

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			12/11/21 02:26	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 02:26	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 02:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 02:26	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 02:26	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*		*12/11/21 02:26*	*1*
1,4-Difluorobenzene (Surr)	*139*	*S1+*	*70 - 130*		*12/11/21 02:26*	*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			12/14/21 10:16	1

Client Sample ID: MW-35

Lab Sample ID: 890-1691-17
Matrix: Water
Date Collected: 12/07/21 02:00
Date Received: 12/09/21 08:03

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			12/11/21 02:52	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 02:52	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 02:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 02:52	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 02:52	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*183*	*S1+*	*70 - 130*		*12/11/21 02:52*	*1*
1,4-Difluorobenzene (Surr)	*136*	*S1+*	*70 - 130*		*12/11/21 02:52*	*1*

Client Sample Results

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

Job ID: 890-1691-1

Client Sample ID: MW-35
Date Collected: 12/07/21 02:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-17
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			12/14/21 10:16	1

Client Sample ID: MW-34
Date Collected: 12/07/21 03:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-18
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			12/11/21 03:19	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 03:19	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 03:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 03:19	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 03:19	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*200*	*S1+*	*70 - 130*		*12/11/21 03:19*	*1*
1,4-Difluorobenzene (Surr)	*144*	*S1+*	*70 - 130*		*12/11/21 03:19*	*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			12/14/21 10:16	1

Client Sample ID: MW-39
Date Collected: 12/08/21 08:30
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-19
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			12/11/21 03:46	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 03:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 03:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 03:46	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 03:46	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*		*12/11/21 03:46*	*1*
1,4-Difluorobenzene (Surr)	*150*	*S1+*	*70 - 130*		*12/11/21 03:46*	*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			12/14/21 10:16	1

Client Sample ID: MW-26
Date Collected: 12/08/21 09:45
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-20
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			12/11/21 04:13	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 04:13	1

Client Sample Results

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

Job ID: 890-1691-1

Client Sample ID: MW-26

Lab Sample ID: 890-1691-20
Date Collected: 12/08/21 09:45
Matrix: Water
Date Received: 12/09/21 08:03

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			12/11/21 04:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 04:13	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 04:13	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*192*	*S1+*	*70 - 130*		*12/11/21 04:13*	*1*
1,4-Difluorobenzene (Surr)	*143*	*S1+*	*70 - 130*		*12/11/21 04:13*	*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			12/14/21 10:16	1

Client Sample ID: MW-22

Lab Sample ID: 890-1691-21
Date Collected: 12/08/21 10:15
Matrix: Water
Date Received: 12/09/21 08:03

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			12/11/21 04:41	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 04:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 04:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 04:41	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 04:41	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*S1+*	*70 - 130*		*12/11/21 04:41*	*1*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*		*12/11/21 04:41*	*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			12/14/21 10:16	1

Client Sample ID: MW-29

Lab Sample ID: 890-1691-22
Date Collected: 12/08/21 10:30
Matrix: Water
Date Received: 12/09/21 08:03

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			12/11/21 05:08	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 05:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 05:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 05:08	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 05:08	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*195*	*S1+*	*70 - 130*		*12/11/21 05:08*	*1*
1,4-Difluorobenzene (Surr)	*142*	*S1+*	*70 - 130*		*12/11/21 05:08*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-1691-1
Project/Site: Moore to Jal #1

Client Sample ID: MW-29
Lab Sample ID: 890-1691-22
Date Collected: 12/08/21 10:30
Matrix: Water
Date Received: 12/09/21 08:03

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			12/14/21 10:16	1

Client Sample ID: MW-21
Lab Sample ID: 890-1691-23
Date Collected: 12/08/21 10:45
Matrix: Water
Date Received: 12/09/21 08:03

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			12/11/21 05:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 05:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 05:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 05:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 05:34	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*187*	*S1+*	*70 - 130*		*12/11/21 05:34*	*1*
1,4-Difluorobenzene (Surr)	*148*	*S1+*	*70 - 130*		*12/11/21 05:34*	*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			12/14/21 10:16	1

Client Sample ID: MW-14
Lab Sample ID: 890-1691-24
Date Collected: 12/08/21 11:20
Matrix: Water
Date Received: 12/09/21 08:03

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00103**	**J**	0.00200	0.000408	mg/L			12/11/21 05:59	1
Toluene	**0.000679**	**J**	0.00200	0.000367	mg/L			12/11/21 05:59	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 05:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 05:59	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 05:59	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*212*	*S1+*	*70 - 130*		*12/11/21 05:59*	*1*
1,4-Difluorobenzene (Surr)	*145*	*S1+*	*70 - 130*		*12/11/21 05:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00171**	**J**	0.00400	0.000657	mg/L			12/14/21 10:16	1

Client Sample ID: MW-37
Lab Sample ID: 890-1691-25
Date Collected: 12/08/21 11:30
Matrix: Water
Date Received: 12/09/21 08:03

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			12/14/21 23:36	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/14/21 23:36	1

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Client Sample Results

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

Job ID: 890-1691-1

Client Sample ID: MW-37

Lab Sample ID: 890-1691-25
Matrix: Water
Date Collected: 12/08/21 11:30
Date Received: 12/09/21 08:03

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			12/14/21 23:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/14/21 23:36	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/14/21 23:36	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/14/21 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*12/14/21 23:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*12/14/21 23:36*	*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			12/15/21 14:22	1

Client Sample ID: MW-38

Lab Sample ID: 890-1691-26
Matrix: Water
Date Collected: 12/08/21 12:10
Date Received: 12/09/21 08:03

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			12/15/21 00:02	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/15/21 00:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/15/21 00:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/15/21 00:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/15/21 00:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/15/21 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*12/15/21 00:02*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*12/15/21 00:02*	*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			12/15/21 14:22	1

Client Sample ID: MW-27

Lab Sample ID: 890-1691-27
Matrix: Water
Date Collected: 12/08/21 13:20
Date Received: 12/09/21 08:03

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			12/15/21 00:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/15/21 00:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/15/21 00:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/15/21 00:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/15/21 00:28	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/15/21 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*		*12/15/21 00:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*12/15/21 00:28*	*1*

Client Sample Results

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

Job ID: 890-1691-1

Client Sample ID: MW-27

Lab Sample ID: 890-1691-27
Matrix: Water
Date Collected: 12/08/21 13:20
Date Received: 12/09/21 08:03

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			12/15/21 14:22	1

Client Sample ID: MW-40

Lab Sample ID: 890-1691-28
Matrix: Water
Date Collected: 12/08/21 13:40
Date Received: 12/09/21 08:03

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			12/10/21 21:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/10/21 21:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/10/21 21:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/10/21 21:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/10/21 21:34	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/10/21 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*		*12/10/21 21:34*	*1*
1,4-Difluorobenzene (Surr)	*177*	*S1+*	*70 - 130*		*12/10/21 21:34*	*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			12/14/21 10:16	1

Surrogate Summary

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

Job ID: 890-1691-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1691-15	MW-41	205 S1+	119
890-1691-15 MS	MW-41	166 S1+	139 S1+
890-1691-15 MSD	MW-41	170 S1+	141 S1+
890-1691-16	MW-36	181 S1+	139 S1+
890-1691-17	MW-35	183 S1+	136 S1+
890-1691-18	MW-34	200 S1+	144 S1+
890-1691-19	MW-39	191 S1+	150 S1+
890-1691-20	MW-26	192 S1+	143 S1+
890-1691-21	MW-22	188 S1+	134 S1+
890-1691-22	MW-29	195 S1+	142 S1+
890-1691-23	MW-21	187 S1+	148 S1+
890-1691-24	MW-14	212 S1+	145 S1+
890-1691-25	MW-37	102	98
890-1691-26	MW-38	104	94
890-1691-27	MW-27	92	94
890-1691-28	MW-40	155 S1+	177 S1+
LCS 880-14446/3	Lab Control Sample	143 S1+	115
LCS 880-14446/34	Lab Control Sample	169 S1+	137 S1+
LCS 880-14805/3	Lab Control Sample	93	106
LCSD 880-14446/35	Lab Control Sample Dup	158 S1+	116
LCSD 880-14446/4	Lab Control Sample Dup	126	107
LCSD 880-14805/4	Lab Control Sample Dup	99	113
MB 880-14446/39	Method Blank	94	134 S1+
MB 880-14446/8	Method Blank	87	123
MB 880-14805/8	Method Blank	55 S1-	85

Surrogate Legend

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

QC Sample Results

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

Job ID: 890-1691-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-14446/39
Matrix: Water
Analysis Batch: 14446

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			12/11/21 01:32	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/11/21 01:32	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/11/21 01:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/11/21 01:32	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/11/21 01:32	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/11/21 01:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*12/11/21 01:32*	*1*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*		*12/11/21 01:32*	*1*

Lab Sample ID: MB 880-14446/8
Matrix: Water
Analysis Batch: 14446

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			12/10/21 11:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/10/21 11:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/10/21 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/10/21 11:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/10/21 11:28	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/10/21 11:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*		*12/10/21 11:28*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*		*12/10/21 11:28*	*1*

Lab Sample ID: LCS 880-14446/3
Matrix: Water
Analysis Batch: 14446

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	0.1117		mg/L		112	70 - 130
Toluene	0.100	0.1084		mg/L		108	70 - 130
Ethylbenzene	0.100	0.1102		mg/L		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2419		mg/L		121	70 - 130
o-Xylene	0.100	0.1124		mg/L		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCS 880-14446/34
Matrix: Water
Analysis Batch: 14446

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	0.1213		mg/L		121	70 - 130

QC Sample Results

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

Job ID: 890-1691-1

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

Lab Sample ID: LCS 880-14446/34
Matrix: Water
Analysis Batch: 14446

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene			0.100	0.1152		mg/L		115	70 - 130		
Ethylbenzene			0.100	0.1162		mg/L		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2547		mg/L		127	70 - 130		
o-Xylene			0.100	0.1256		mg/L		126	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*169*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-14446/35
Matrix: Water
Analysis Batch: 14446

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	0.1050		mg/L		105	70 - 130	14	20
Toluene			0.100	0.09932		mg/L		99	70 - 130	15	20
Ethylbenzene			0.100	0.1006		mg/L		101	70 - 130	14	20
m-Xylene & p-Xylene			0.200	0.2206		mg/L		110	70 - 130	14	20
o-Xylene			0.100	0.1098		mg/L		110	70 - 130	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*158*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: LCSD 880-14446/4
Matrix: Water
Analysis Batch: 14446

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	0.1041		mg/L		104	70 - 130	7	20
Toluene			0.100	0.09888		mg/L		99	70 - 130	9	20
Ethylbenzene			0.100	0.1002		mg/L		100	70 - 130	9	20
m-Xylene & p-Xylene			0.200	0.2195		mg/L		110	70 - 130	10	20
o-Xylene			0.100	0.1040		mg/L		104	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-1691-15 MS
Matrix: Water
Analysis Batch: 14446

Client Sample ID: MW-41
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	0.1255		mg/L		126	70 - 130		
Toluene	<0.00200	U	0.100	0.1153		mg/L		115	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1166		mg/L		117	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2571		mg/L		129	70 - 130		

QC Sample Results

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

Job ID: 890-1691-1

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

Lab Sample ID: 890-1691-15 MS
Matrix: Water
Analysis Batch: 14446

Client Sample ID: MW-41
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00200	U	0.100	0.1274		mg/L		127	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*139*	*S1+*	*70 - 130*

Lab Sample ID: 890-1691-15 MSD
Matrix: Water
Analysis Batch: 14446

Client Sample ID: MW-41
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	0.1244		mg/L		124	70 - 130	1	25
Toluene	<0.00200	U	0.100	0.1160		mg/L		116	70 - 130	1	25
Ethylbenzene	<0.00200	U	0.100	0.1173		mg/L		117	70 - 130	1	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2573		mg/L		129	70 - 130	0	25
o-Xylene	<0.00200	U	0.100	0.1290		mg/L		129	70 - 130	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*170*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-14805/8
Matrix: Water
Analysis Batch: 14805

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			12/14/21 20:57	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/14/21 20:57	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/14/21 20:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/14/21 20:57	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/14/21 20:57	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/14/21 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*		*12/14/21 20:57*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*		*12/14/21 20:57*	*1*

Lab Sample ID: LCS 880-14805/3
Matrix: Water
Analysis Batch: 14805

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	0.1208		mg/L		121	70 - 130
Toluene	0.100	0.1152		mg/L		115	70 - 130
Ethylbenzene	0.100	0.1048		mg/L		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2115		mg/L		106	70 - 130
o-Xylene	0.100	0.1094		mg/L		109	70 - 130

QC Sample Results

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

Job ID: 890-1691-1

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

Lab Sample ID: LCS 880-14805/3
Matrix: Water
Analysis Batch: 14805

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

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

Lab Sample ID: LCSD 880-14805/4
Matrix: Water
Analysis Batch: 14805

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	0.1180		mg/L		118	70 - 130	2	20
Toluene			0.100	0.1060		mg/L		106	70 - 130	8	20
Ethylbenzene			0.100	0.1023		mg/L		102	70 - 130	2	20
m-Xylene & p-Xylene			0.200	0.2060		mg/L		103	70 - 130	3	20
o-Xylene			0.100	0.1057		mg/L		106	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

QC Association Summary

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

Job ID: 890-1691-1

GC VOA

Analysis Batch: 14446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1691-15	MW-41	Total/NA	Water	8021B	
890-1691-16	MW-36	Total/NA	Water	8021B	
890-1691-17	MW-35	Total/NA	Water	8021B	
890-1691-18	MW-34	Total/NA	Water	8021B	
890-1691-19	MW-39	Total/NA	Water	8021B	
890-1691-20	MW-26	Total/NA	Water	8021B	
890-1691-21	MW-22	Total/NA	Water	8021B	
890-1691-22	MW-29	Total/NA	Water	8021B	
890-1691-23	MW-21	Total/NA	Water	8021B	
890-1691-24	MW-14	Total/NA	Water	8021B	
890-1691-28	MW-40	Total/NA	Water	8021B	
MB 880-14446/39	Method Blank	Total/NA	Water	8021B	
MB 880-14446/8	Method Blank	Total/NA	Water	8021B	
LCS 880-14446/3	Lab Control Sample	Total/NA	Water	8021B	
LCS 880-14446/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-14446/35	Lab Control Sample Dup	Total/NA	Water	8021B	
LCSD 880-14446/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1691-15 MS	MW-41	Total/NA	Water	8021B	
890-1691-15 MSD	MW-41	Total/NA	Water	8021B	

Analysis Batch: 14761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1691-15	MW-41	Total/NA	Water	Total BTEX	
890-1691-16	MW-36	Total/NA	Water	Total BTEX	
890-1691-17	MW-35	Total/NA	Water	Total BTEX	
890-1691-18	MW-34	Total/NA	Water	Total BTEX	
890-1691-19	MW-39	Total/NA	Water	Total BTEX	
890-1691-20	MW-26	Total/NA	Water	Total BTEX	
890-1691-21	MW-22	Total/NA	Water	Total BTEX	
890-1691-22	MW-29	Total/NA	Water	Total BTEX	
890-1691-23	MW-21	Total/NA	Water	Total BTEX	
890-1691-24	MW-14	Total/NA	Water	Total BTEX	
890-1691-28	MW-40	Total/NA	Water	Total BTEX	

Analysis Batch: 14805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1691-25	MW-37	Total/NA	Water	8021B	
890-1691-26	MW-38	Total/NA	Water	8021B	
890-1691-27	MW-27	Total/NA	Water	8021B	
MB 880-14805/8	Method Blank	Total/NA	Water	8021B	
LCS 880-14805/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-14805/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 14874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1691-25	MW-37	Total/NA	Water	Total BTEX	
890-1691-26	MW-38	Total/NA	Water	Total BTEX	
890-1691-27	MW-27	Total/NA	Water	Total BTEX	

Lab Chronicle

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

Job ID: 890-1691-1

Client Sample ID: MW-41
Date Collected: 12/07/21 12:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-15
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	14446	12/11/21 01:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-36
Date Collected: 12/07/21 01:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-16
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	14446	12/11/21 02:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-35
Date Collected: 12/07/21 02:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-17
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	14446	12/11/21 02:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-34
Date Collected: 12/07/21 03:00
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 03:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-39
Date Collected: 12/08/21 08:30
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 03:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-26
Date Collected: 12/08/21 09:45
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 04:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Lab Chronicle

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

Job ID: 890-1691-1

Client Sample ID: MW-22
Date Collected: 12/08/21 10:15
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 04:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-29
Date Collected: 12/08/21 10:30
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 05:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-21
Date Collected: 12/08/21 10:45
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 05:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-14
Date Collected: 12/08/21 11:20
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14446	12/11/21 05:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	AJ	XEN MID

Client Sample ID: MW-37
Date Collected: 12/08/21 11:30
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14805	12/14/21 23:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14874	12/15/21 14:22	AJ	XEN MID

Client Sample ID: MW-38
Date Collected: 12/08/21 12:10
Date Received: 12/09/21 08:03

Lab Sample ID: 890-1691-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	14805	12/15/21 00:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14874	12/15/21 14:22	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-1691-1
Project/Site: Moore to Jal #1

Client Sample ID: MW-27
Lab Sample ID: 890-1691-27
Date Collected: 12/08/21 13:20
Matrix: Water
Date Received: 12/09/21 08:03

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	14805	12/15/21 00:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14874	12/15/21 14:22	AJ	XEN MID

Client Sample ID: MW-40
Lab Sample ID: 890-1691-28
Date Collected: 12/08/21 13:40
Matrix: Water
Date Received: 12/09/21 08:03

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	14446	12/10/21 21:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14761	12/14/21 10:16	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
Job ID: 890-1691-1
Project/Site: Moore to Jal #1

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 #1

Job ID: 890-1691-1

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 #1

Job ID: 890-1691-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-1691-15	MW-41	Water	12/07/21 12:00	12/09/21 08:03
890-1691-16	MW-36	Water	12/07/21 01:00	12/09/21 08:03
890-1691-17	MW-35	Water	12/07/21 02:00	12/09/21 08:03
890-1691-18	MW-34	Water	12/07/21 03:00	12/09/21 08:03
890-1691-19	MW-39	Water	12/08/21 08:30	12/09/21 08:03
890-1691-20	MW-26	Water	12/08/21 09:45	12/09/21 08:03
890-1691-21	MW-22	Water	12/08/21 10:15	12/09/21 08:03
890-1691-22	MW-29	Water	12/08/21 10:30	12/09/21 08:03
890-1691-23	MW-21	Water	12/08/21 10:45	12/09/21 08:03
890-1691-24	MW-14	Water	12/08/21 11:20	12/09/21 08:03
890-1691-25	MW-37	Water	12/08/21 11:30	12/09/21 08:03
890-1691-26	MW-38	Water	12/08/21 12:10	12/09/21 08:03
890-1691-27	MW-27	Water	12/08/21 13:20	12/09/21 08:03
890-1691-28	MW-40	Water	12/08/21 13:40	12/09/21 08:03

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 2

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

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

Project Name:	Mooreto Tal #1	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# 2002-10270		

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM4007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.5
Total Containers:		Corrected Temperature:	3.6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-41	GW	12/7/21	12:00	N/A		3		X
MW-36			1:00					
MW-35			2:00					
MW-34			3:00					
MW-39		12/8/21	8:30					
MW-26			9:45					
MW-22			10:15					
MW-29			10:30					
MW-21			10:45					
MW-14			11:20					

890-1691 Chain of Custody

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

Sample Comments
Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
MaOchoa@paalp.com

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12.9.21 0803	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

Work Order No: _____

www.xenco.com Page 2 of 2

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

Work Order Comments

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

Project Name:	Moore to Jal 1	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	RayBell, Art Parra	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2002-10270		

~~SAMPLE RECEIPT~~	~~Temp Blank:~~ Yes No	~~Wet Ice:~~ Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	RG 1
Cooler Custody Seals:	~~Yes~~ No N/A	Correction Factor:	
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-37	GW	12/8/21	11:30	N/A		3		X	Email Analyticals to: CJBryant@paalp.com ALGroves@paalp.com MaOchoa@paalp.com
MW-38	"	"	12:10	"		"		"	
MW-27	"	"	1:30	"		"		"	
MW-40	"	"	1:40	"		"		"	

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	RayBell	Alex Culp	12.8.21 0803	2		
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

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-540 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 #: 890-1691-1
Address: 1211 W Florida Ave	Due Date Requested: 12/15/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1	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/6036FP_Calc BTEX and MTBE	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-41 (890-1691-1)	12/7/21	12 00 Mountain		Solid			X	X	3	
MW-36 (890-1691-2)	12/7/21	01 00 Mountain		Solid			X	X	3	
MW-35 (890-1691-3)	12/7/21	02 00 Mountain		Solid			X	X	3	
MW-34 (890-1691-4)	12/7/21	03 00 Mountain		Solid			X	X	3	
MW-39 (890-1691-5)	12/8/21	08 30 Mountain		Solid			X	X	3	
MW-26 (890-1691-6)	12/8/21	09 45 Mountain		Solid			X	X	3	
MW-22 (890-1691-7)	12/8/21	10 15 Mountain		Solid			X	X	3	
MW-29 (890-1691-8)	12/8/21	10 30 Mountain		Solid			X	X	3	
MW-21 (890-1691-9)	12/8/21	10 45 Mountain		Solid			X	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: Cle Cup 12.9.21	Date/Time	Company	Received by: Patricia R	Date/Time: 12-10-21 11:23	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 6.6/6.7 10 IR8

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: 890-540 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 #: 890-1691-1
Address: 1211 W Florida Ave	Due Date Requested: 12/15/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Moore to Jal #1	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/5035FP_Calc BTEX and MTBE	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-14 (890-1691-10)	12/8/21	11 20 Mountain		Solid			X	X	3	
MW-37 (890-1691-11)	12/8/21	11 30 Mountain		Solid			X	X	3	
MW-38 (890-1691-12)	12/8/21	12 10 Mountain		Solid			X	X	3	
MW-27 (890-1691-13)	12/8/21	13 20 Mountain		Solid			X	X	3	
MW-40 (890-1691-14)	12/8/21	13 40 Mountain		Solid			X	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	Clue Cop 12.9.21			Patricia R	12-10-21 11.23	
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: 6.6/6.7 IR8

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1691-1

Login Number: 1691 **List Source: Eurofins Xenco, Carlsbad**
List Number: 1
Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1691-1

Login Number: 1691
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, Midland
List Creation: 12/10/21 11:30 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	Received two days after it was sampled
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	

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1691-1

Login Number: 1691
List Number: 3
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 12/13/21 10:08 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").	True	

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

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

CONDITIONS

Action 92571

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 92571
	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 total fluid pumps recovery system 2. Continue MDPE events as necessary 3. Perform groundwater monitoring events in accordance with NMOCD directives 4. Submit annual report to NMOCD no later than March 31,2023.	8/3/2022