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TALON LPE

2020 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

Prepared By:
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APPROVED
By Nelson Velez at 3:05 pm, Jan 26, 2022

Review of 2020 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
3. Perform groundwater monitoring events in accordance with NMOCD directives
4. OCD approves the elimination of the PAH analysis in all groundwater monitoring wells
5. Submit annual report to OCD no later than March 31,2022.

January 13, 2021

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TALON/LPE PROJECT NO. 700376.044.04

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

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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 a physio-geographic area that is 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 43% sand, 18% clay and 40% silt and also contains 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 has 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 phase-separated hydrocarbon (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 Rocky Smith SWD Systems, State 'E' #23 salt water disposal (SWD) (NMOCD # 307219) facility, thereby, eliminating the need to haul water to a disposal facility with a vacuum truck. The system is composed of a three (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 afore referenced SWD. A five (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 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 2020, the recovery system extracted a total of 86.02 bbls of PSH and 4,779.6 bbls of groundwater.

A total of six (6) MDPE events were conducted in 2020, on January 8, February 4, March 3, June 3, September 29 and December 10, 2020. A total of 50.21 bbls of PSH were recovered consisting of 29.22 bbls of liquid PSH and 20.99 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.

New Mexico Water Quality Control Commission (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 quarterly groundwater monitoring events conducted at the subject site as well as analytical results from each groundwater sampling event of 2020. 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 2020. 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 Ground water Monitoring Activities

A total of four groundwater monitoring events were conducted by Talon during this twelve-month period: March 2020; June 2020; September 2020; and December 2020.

During the March 2020 groundwater monitoring event, all recovery/monitor wells were gauged. Twenty (20) monitor wells (MW-13, MW-14, MW-17, MW-19 through MW-23, MW-26 through MW-29, and MW-34 through MW-41) were purged and sampled. Fifteen (15) monitor wells (MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-12, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Four (4) monitor wells (MW-1A, MW-2, MW-3, and MW-7) were dry when gauged and one (1) monitor well (MW-9) had an obstruction; therefore, the wells were not purged or sampled. Monitor well MW-18 was purged dry without recovery, and therefore not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2020 groundwater monitoring event, all recovery/monitor wells were gauged. Nineteen (19) monitor wells (MW-14, MW-17, MW-19 through MW-23, MW-26 through MW-29, and MW-34 through MW-41) were purged and sampled. Sixteen (16) monitor wells (MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-13, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Three (3) monitor wells (MW-2, MW-3, and MW-7) were dry when gauged, MW-1A and MW-18 purged dry without recovery, and one (1) monitor well (MW-9) had an obstruction; therefore, the wells were not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2020 groundwater monitoring event, all recovery/monitor wells were gauged. Eighteen (18) monitor wells (MW-13, MW-14, MW-17, MW-21, MW-22, MW-23, MW-26 through MW-29, and MW-34 through MW-41) were purged and sampled. Fourteen (14) monitor wells (MW-4A, MW-5, MW-6, MW-8, MW-10, MW-11, MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33) were not sampled due to the presence of PSH. Seven (7) monitor wells (MW-1A, MW-2, MW-3, MW-7, MW-9, MW-15, and MW-18) were dry when gauged; therefore, the wells were not purged or sampled. Monitor wells MW-19 and MW-20 were purged dry without recovery, and therefore not sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2020 groundwater monitoring event, all recovery/monitor wells were

gauged. Eighteen (18) monitor wells (MW-13, MW-14, MW-17, MW-21 through MW-23, MW-26 through MW-29, 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. 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; therefore, the wells were not purged or sampled. Two (2) additional wells (MW-19 and MW-20) were purged dry without recovery; therefore, were not 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, MW-28, MW-29, MW-34, MW-35, MW-37, and MW-38, during March 2020 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 2020, nineteen (19) monitor wells were initially pumped for PSH; MW-2, MW-4A, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-15, MW-16, MW-24, MW-25, MW-30, MW-31, MW-32, and MW-33. However, five (5) pumps were removed from the following wells due to declining water levels (MW-2, MW-5, MW-7, MW-9, and MW-15. One pump was added to monitoring well MW-29.

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. The PSH and recovered water upon reaching an established level in the holding tank, engages a head pressure switch which in turn operates a fluid transfer pump. When the pump is engaged the recovered fluids are transferred to 4-inch HDPE line co-mingling with recovered fluids from the Moore to Jal #2 and C.S. Caylor groundwater recovery systems. A five (5) HP transfer pump then moves water to the Apollo SWD System for disposal.

During 2020, the quarterly PSH and groundwater recovery totals from the system are as follows:

- 1st Quarter – 24.46 bbls crude oil and 662 bbls of groundwater
- 2nd Quarter – 24.5 bbls crude oil and 1,096.7 bbls of groundwater
- 3rd Quarter – 19.92 bbls crude oil and 1,766 bbls of groundwater
- 4th Quarter – 17.14 bbls of crude oil and 1,254.9 bbls of groundwater

In addition to system recovery, six (6) mobile dual phase extraction (MDPE) events, in which liquid and vapor PSH were recovered, were conducted on site during 2020. The MDPE event recovery totals are as follows:

- January 8, 2020 – 2.97 bbls vapor, 6.47 bbls liquid
- February 4, 2020– 1.37 bbls vapor, 4.68 bbls liquid
- March 3, 2020 – 3.43 bbls vapor, 4.55 bbls liquid
- June 3, 2020– 3.65 bbls vapor, 4.85 bbls liquid
- September 29, 2020 – 5.53 bbls vapor, 4.39 bbls liquid
- December 10, 2020– 4.04 bbls vapor, 4.28 bbls liquid

Approximately 136.23 bbls of PSH were recovered in 2020 and a total of approximately 2,863.53 bbls of PSH have been recovered at the subject site to date.

3.0 GROUNDWATER ASSESSMENT AND 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 chains of custody documentation are provided in Appendix C.

3.1 Groundwater Monitoring Results

The following sections present the results from the four (4) groundwater monitoring events conducted at the subject site.

3.1.1 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 poteniometric 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 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.

3.1.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements were collected during each of the four (4) groundwater monitoring events during the year 2020. 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 0.0043 feet/foot or approximately 22.7 feet/mile. Groundwater levels at the subject site have exhibited a steady decrease of an average of 1.40 feet for the year 2020. Average groundwater levels have declined approximately 7.58 feet across the site since 2016.

3.1.3 Phase Separated Hydrocarbon (PSH)

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 2020, PSH was observed in 15 monitor wells MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-12, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.02 feet in MW-24 and MW-33 to 2.87 feet in MW-30. Monitor wells MW-1A, MW-2, MW-3, and MW-7 were dry.
- In June 2020, PSH was observed in 16 monitor wells MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-13, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33. PSH thicknesses ranged from 0.04 feet in MW-6 to 4.40 feet in MW-12. Monitor wells MW-2, MW-3, and MW-7 were dry and MW-9 was obstructed.
- In September 2020, PSH was observed in 14 monitor wells MW-4A, MW-5, 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 0.09 feet in MW-24 to 8.80 feet in MW-4A. Monitor wells MW-1A, MW-2, MW-3, MW-7, MW-9, MW-15, and MW-18 were dry.
- In December 2020, PSH was observed in 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. PSH thicknesses ranged from 0.01 feet in MW-6 and MW-8 to 5.62 feet in MW-4A. Monitor wells MW-1A, MW-2, MW-3, MW-5, MW-7, MW-9, MW-15, and MW-18 were dry.

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.

3.1.4 Groundwater Analytical Results

During the March 2020 event, groundwater samples were collected from twenty (20) monitor wells: MW-13, MW-14, MW-17, MW-19 through MW-23, MW-26 through MW-29, and MW-34 through MW-41. Groundwater samples were not collected from fifteen (15) monitor wells due to the presence of PSH (MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-12, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33), four (4) dry wells (MW-1A, MW-2, MW-3, and MW-7), and one (1) obstruction (MW-9). In addition, MW-18 purged dry without recovery; and therefore not sampled.

- Benzene concentrations ranged from less than the laboratory method detection limit (MDL) in wells MW-17, MW-21 through MW-23, and MW-26 to 10.1 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-13, MW-14, MW-19, MW-28, MW-29, MW-37 through MW-40.

- Toluene concentrations were less than the laboratory MDL in all wells and 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 wells MW-14, MW-17, MW-19 through MW-23, MW-26, MW-27, MW-29, MW-34 through MW-36, MW-38, MW-39, and MW-41 to 0.0500 mg/L in MW-40. 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 ranged from less than the laboratory MDL in wells MW-17, MW-20, MW-23, MW-26, MW-34, MW-35, MW-36, and MW-38 to 0.100 mg/L in MW-40. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled during the quarter.
- PAH was less than the laboratory MDL for all analytes except for trace amounts of 1-Methylnaphthalene and naphthalene in MW-28; 1-Methylnaphthalene, naphthalene, and fluorene in MW-29; 1-Methylnaphthalene and naphthalene in MW-37; and 1-Methylnaphthalene, phenanthrene, and naphthalene in MW-38.

During the June 2020 event, groundwater samples were collected from nineteen (19) monitor wells: MW-14, MW-17, MW-19 through MW-23, MW-26 through MW-29, and MW-34 through MW-41. Groundwater samples were not collected from sixteen (16) monitor wells due to the presence of PSH (MW-4A, MW-5, MW-6, MW-8, MW-10 through MW-13, MW-15, MW-16, MW-24, MW-25, and MW-30 through MW-33), three (3) dry wells (MW-2, MW-3, and MW-7), and one (1) obstruction (MW-9). In addition, MW-18 purged dry without recovery; and therefore not sampled.

- Benzene concentrations ranged from less than the laboratory MDL in MW-17, MW-19, MW-21, MW-22, MW-23, MW-34, MW-35, MW-36 and MW-41 to 9.71 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-29, MW-38 through MW-40.
- Toluene concentrations ranged from less than the laboratory MDL in MW-17, MW-19, MW-20 through MW-23, MW-26 through MW-29, MW-34 through MW-37, and MW-41 to 0.00995 mg/L in MW-40. 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-29 with a concentration of 0.00181 mg/L, MW-38 with a concentration of 0.00387 mg/L, and MW-40 with a concentration of 0.0575 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-14, with a concentration of 0.000900 mg/L, MW-29 with a concentration of 0.00138 mg/L,

MW-38 with a concentration of 0.00372 mg/L, and MW-40 with a concentration of 0.0724 mg/L respectively. 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 2020 event, groundwater samples were collected from eighteen (18) monitor wells: MW-13, MW-14, MW-17, MW-21, MW-22, MW-23, MW-26 through MW-29, and MW-34 through MW-41. Groundwater samples were not collected from fourteen (14) monitor wells due to the presence of PSH (MW-4A, MW-5, MW-6, MW-8, MW-10, MW-11, MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33), seven (7) dry wells (MW-1A, MW-2, MW-3, MW-7, MW-9, MW-15, and MW-18), and two (2) wells purged dry without recovery (MW-19 and MW-20), and therefore not sampled.

- Benzene concentrations ranged from 0.000860 mg/L in MW-26 to 16.6 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-13, MW-14, MW-29, MW-34 through MW-36, and MW-38 through MW-40.
- Toluene concentrations were less than the laboratory MDL in all wells except for MW-13 which had a concentration of 0.00691 mg/L and MW-40 which had a concentration of 0.00513 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 ranged from less than the laboratory MDL in wells MW-21, MW-22, MW-26, MW-27, MW-28, MW-36, MW-37, and MW-41 to 0.0606 mg/L in MW-40. 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-13 with a concentration of 0.0345 mg/L, MW-29 with a concentration of 0.00417 mg/L, MW-38 with a concentration of 0.00562 mg/L, MW-39 with a concentration of 0.00226 mg/L, and MW-40 with a concentration of 0.0656 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 2020 event, groundwater samples were collected from eighteen (18) monitor wells: MW-13, MW-14, MW-17, MW-21 through MW-23, MW-26 through MW-29, and MW-34 through MW-41. Groundwater samples were not collected from thirteen (13) monitor wells due to the presence of PSH (MW-4A, MW-6, MW-8, MW-10 through MW-12, MW-16, MW-24, MW-25, and MW-30 through MW-33), eight (8) dry wells (MW-1A, MW-2, MW-3, MW-5, MW-7, MW-9, MW-15, and MW-18), and two wells were purged dry without recovery (MW-19 and MW-20).

- Benzene concentrations ranged from less than the laboratory MDL in wells MW-17, MW-21 through MW-23, MW-26, MW-28, MW-29, MW-34, and MW-37 to 23.2 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-13, MW-38, MW-39, and MW-40.

- Toluene concentrations were less than the laboratory MDL in all wells except MW-13 with a concentration of 0.0649 mg/L, MW-14 with a concentration of 0.000530 mg/L, MW-28 with a concentration of 0.000670 mg/L, and MW-40 with a concentration of 0.0121 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 below the laboratory MDL in all wells except for MW-13 with a concentration of 0.157 mg/L, and MW-40 with a concentration of 0.144 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 below the laboratory MDL in all wells except for MW-13 with a concentration of 0.2442 mg/L, MW-39 with a concentration of 0.02106 mg/L, and MW-40 with a concentration of 0.1842 mg/L. 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 0.0043 feet/foot.
- Groundwater levels at the subject site have exhibited a decrease for the year 2020.
- Generally, PSH thicknesses have generally fluctuated during the year 2020.
- Dissolved-phase benzene concentrations decreased slightly in monitor wells MW-14, MW-28, MW-29, MW-37, and MW-38 and increased slightly in MW-13 and MW-39.
- The PSH recovery system and six (6) MDPE events removed 136.23 bbls of crude oil from the groundwater during 2020.

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.
- Continue MDPE events.
- Perform groundwater monitoring events in accordance with NMOCD directives.
- Discontinue PAH sampling in all groundwater monitoring wells. All wells previously sampled for PAH have exhibited concentrations below NMWQCC standards and/or laboratory method detection limits for at least two consecutive years.

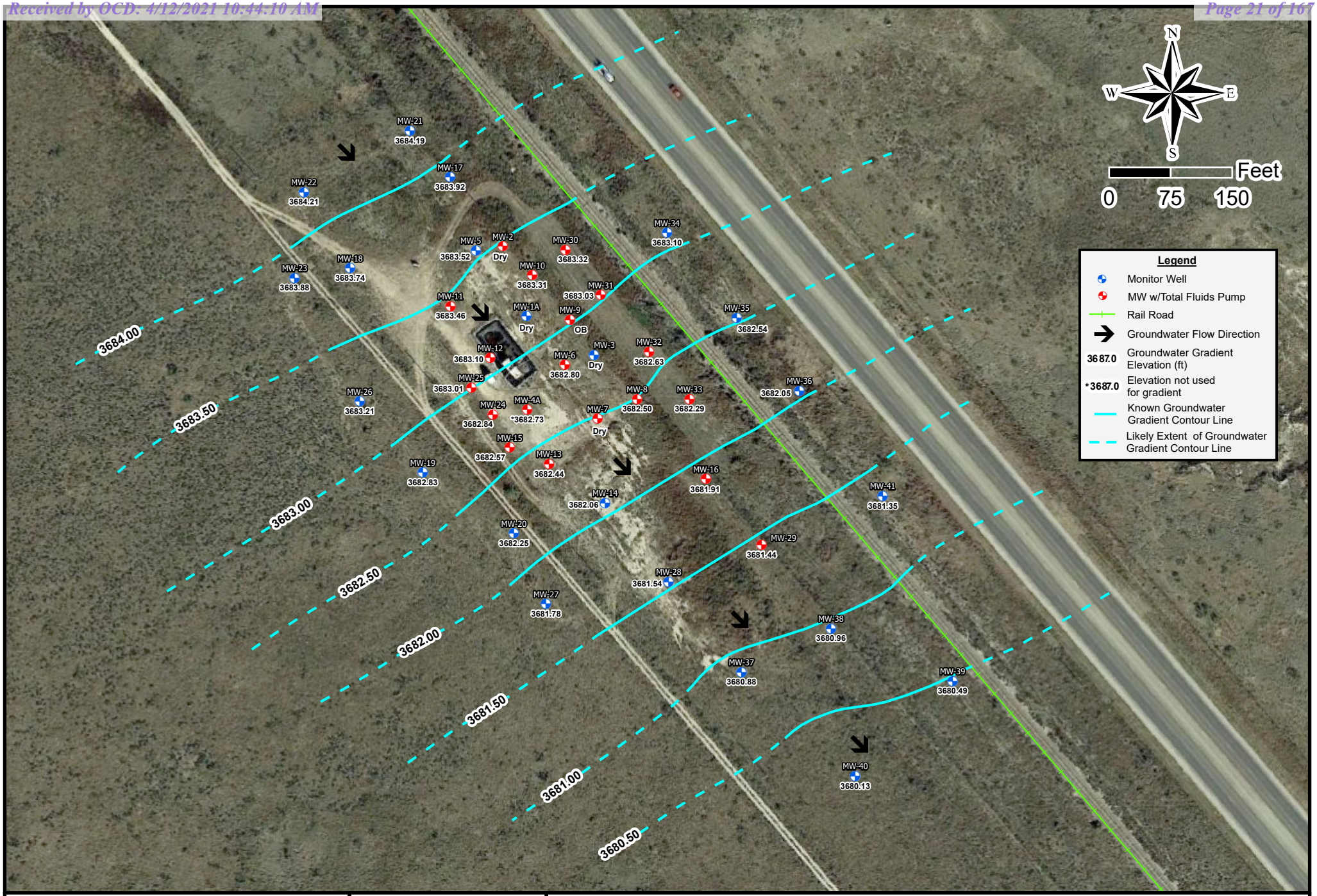
APPENDIX A

Figures

TALON LPE

Drafted: 4/7/2021
1 in = 150 ft
Drafted By: NRC

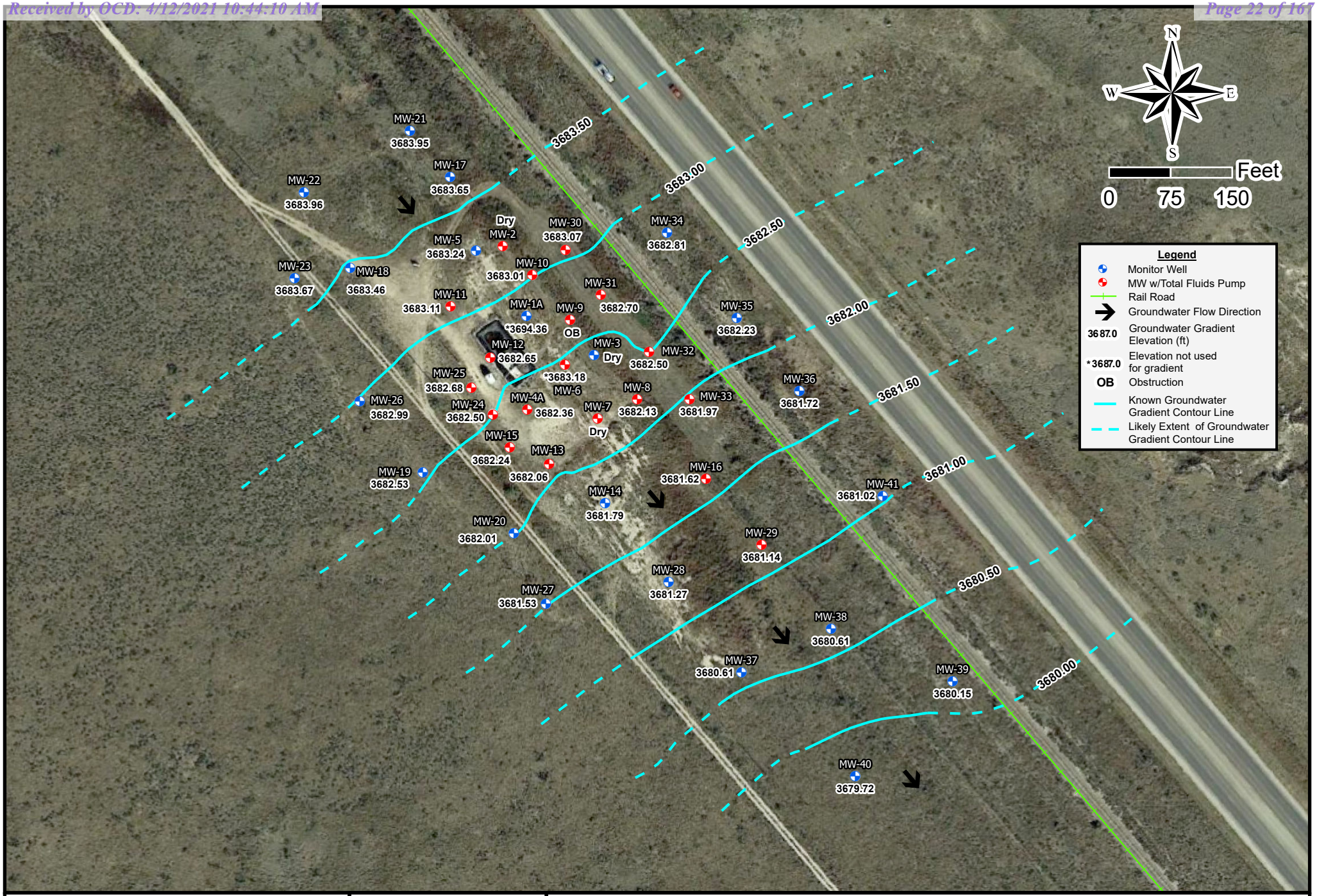
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 1 - Site Plan



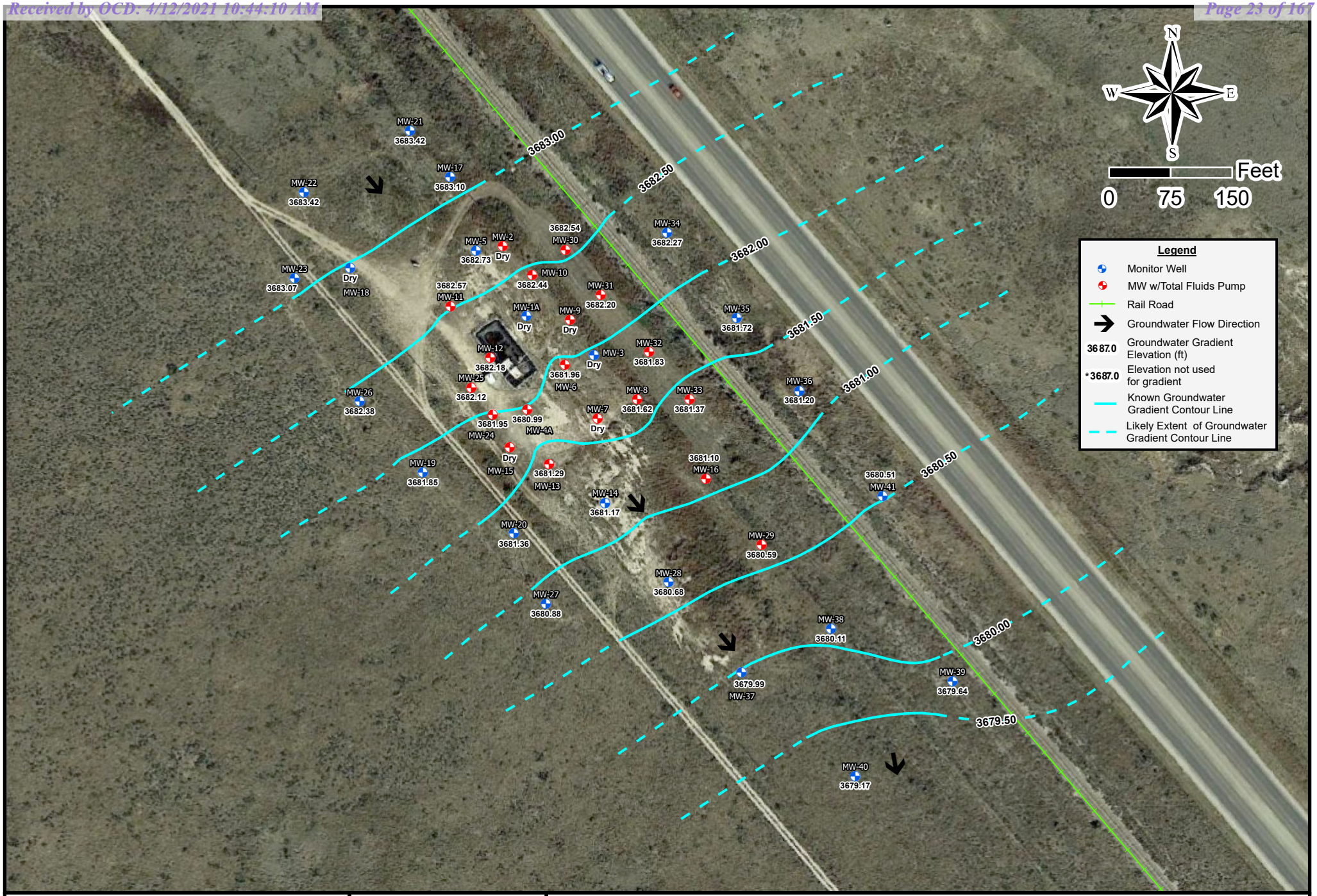
TALON LPE

Drafted: 4/7/2021
1 in = 150 ft
Drafted By: NRC

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 (03/16/2020)



TALON LPE	Drafted: 4/7/2021 1 in = 150 ft Drafted By: NRC	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 (06/17-18/2020)

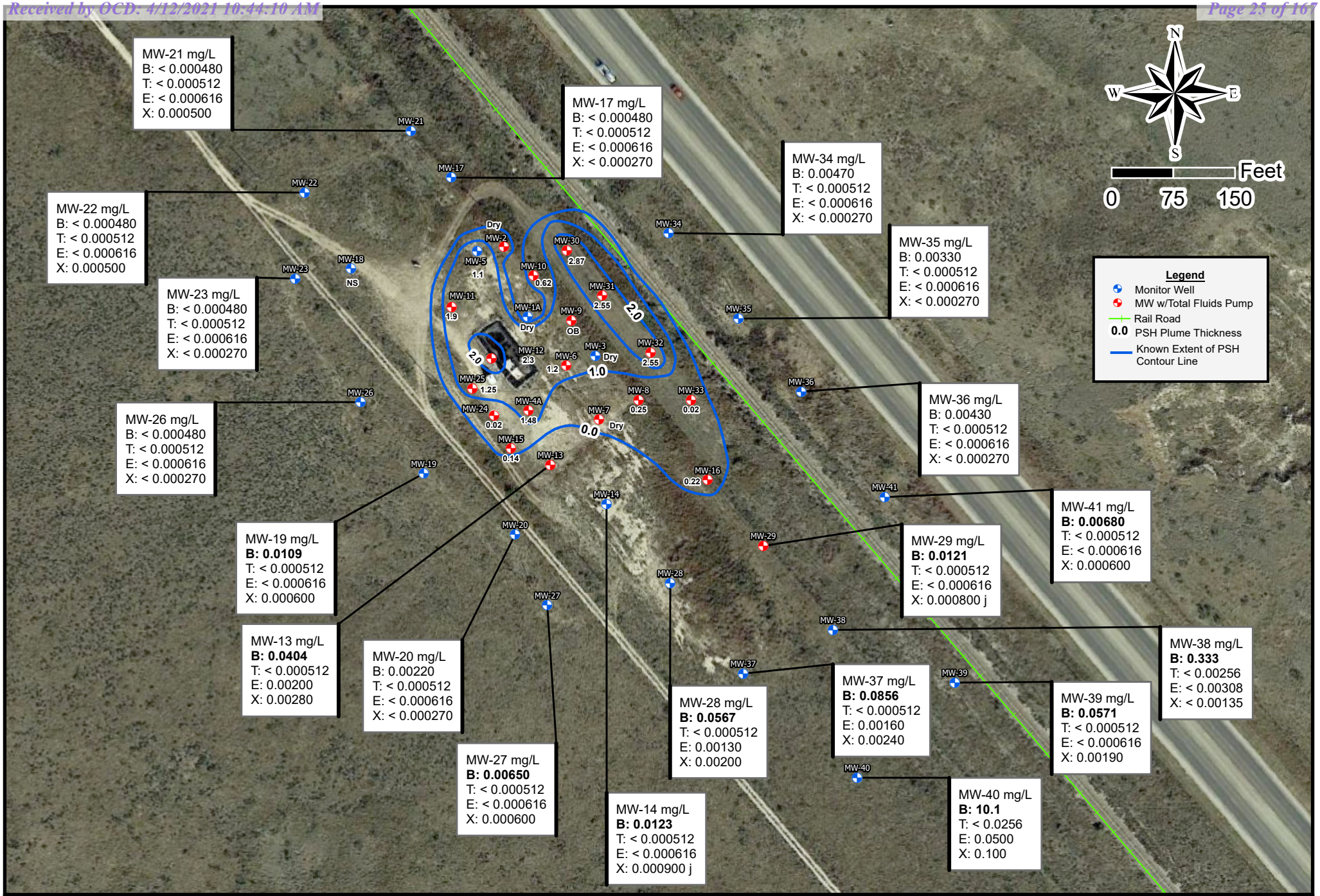


TALON LPE	Drafted: 4/7/2021 1 in = 150 ft Drafted By: NRC	8" Moore to Jal #1 SRS # 2002-10270, NMOCD REF. #nAPP2109526205 SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico 32.837091, -103.257099 Figure 2c - Groundwater Gradient Map (09/14/2020)

TALON LPE

Drafted: 4/7/2021
1 in = 150 ft
Drafted By: NRC

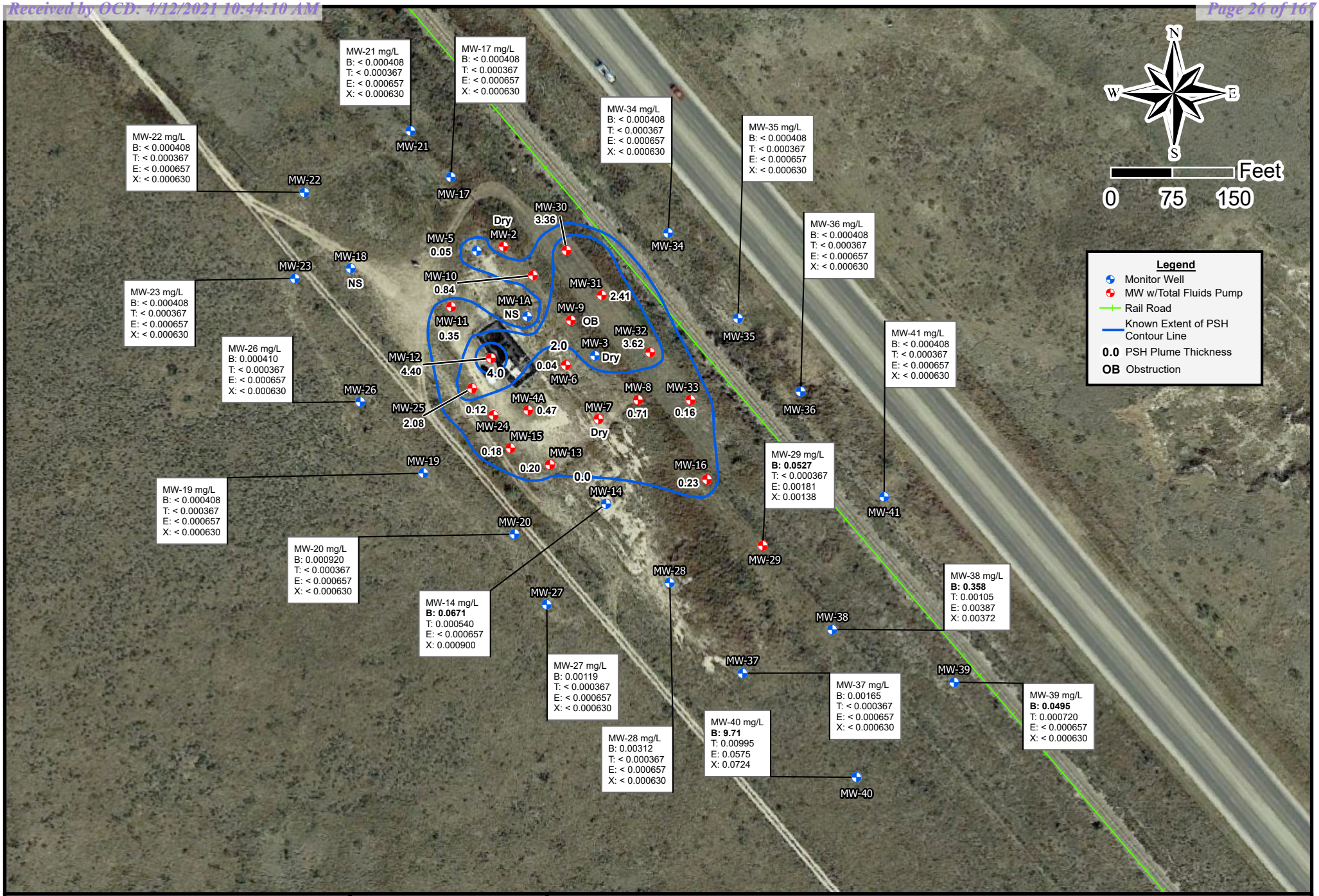
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2d - Groundwater Gradient Map (12/07-08/2020)



TALON LPE

Drafted: 4/7/2021
1 in = 150 ft
Drafted By: JAI

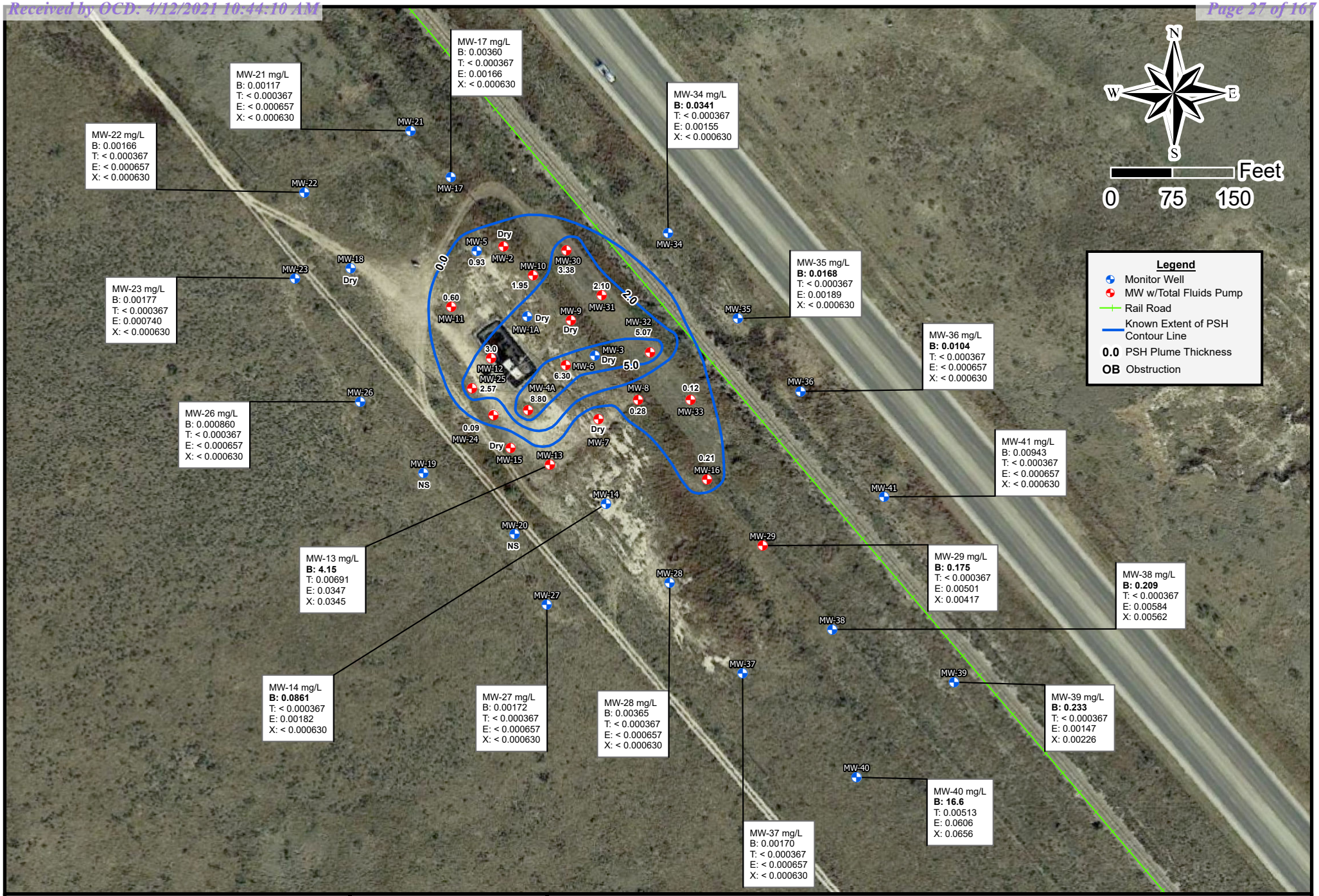
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3a - PSH Thickness & Groundwater Concentration Map (03/17-20/2020)



TALON LPE

Drafted: 4/7/2021
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 3b - PSH Thickness & Groundwater Concentration Map (06/18-19 & 22-23/2020)



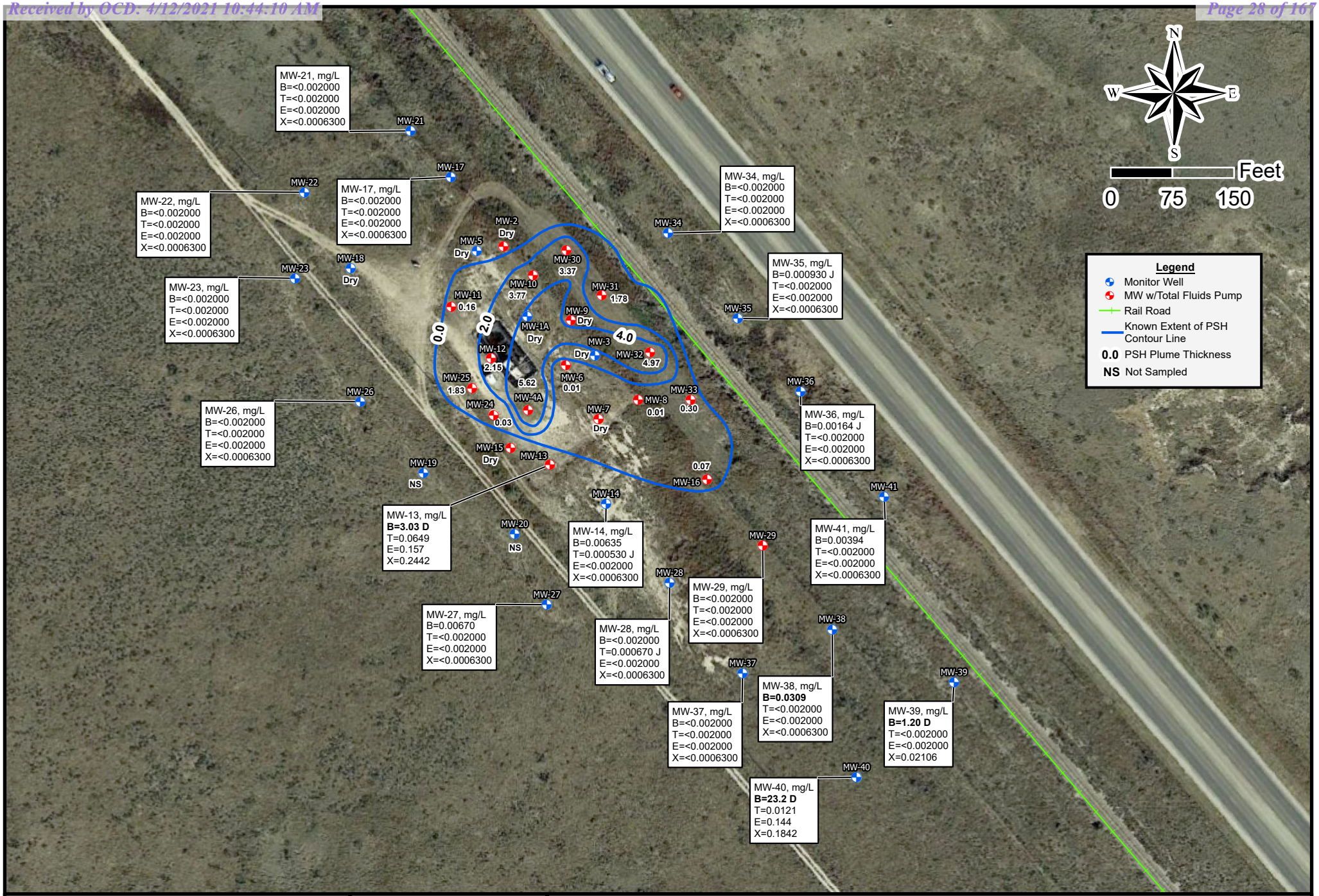
TALON LPE

Drafted: 4/7/2021

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 3c - PSH Thickness & Groundwater Concentration Map - (09/14-17/2020)



TALON LPE

Drafted: 4/7/2021
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 3d - PSH Thickness & Groundwater Concentration Map (12/07-09/2020)

APPENDIX B

Tables

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-1	3766.03	60	80	09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
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	3,694.68
				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
MW-2 4"	3,768.35	63	83	03/24/2016	83.50	77.21	6.29	3,690.10
				06/20/2016	83.60	77.70	5.9	3,689.68
				09/28/2016	83.63	78.31	5.32	3,689.16
				12/13/2016	82.48	78.70	3.78	3,689.03
				03/16/2017	85.39	78.95	6.44	3,688.34
				06/05/2017	83.00	79.30	3.7	3,688.44
				09/19/2017	83.49	79.79	3.7	3,687.95
				12/13/2017	83.60	80.24	3.36	3,687.56
				03/23/2018	83.60	80.59	3.01	3,687.26
				06/14/2018	83.67	80.94	2.73	3,686.96
				09/24/2018	84.15	81.48	2.67	3,686.43
				12/17/2018	85.00	81.95	3.05	3,685.90
				03/21/2019	83.68	82.20	1.48	3,685.91
				06/24/2019	83.63	82.60	1.03	3,685.58
				09/16/2019	83.66	83.10	0.56	3,685.16
				12/12/2019	83.67	83.60	0.07	3,684.74
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
MW-3 4"	3,767.24	61	81	03/24/2016	80.90	76.06	4.84	3,690.38
				06/20/2016	80.88	77.10	3.78	3,689.52
				09/28/2016	80.92	77.85	3.07	3,688.88
				12/13/2016	81.06	78.15	2.91	3,688.61
				03/16/2017	79.95	78.50	1.45	3,688.50
				06/05/2017	81.00	78.75	2.25	3,688.12
				09/19/2017	81.09	79.20	1.89	3,687.73
				12/13/2017	79.70	79.63	0.07	3,687.60
				03/23/2018	81.09	79.95	1.14	3,687.10
				06/14/2018	81.05	80.40	0.65	3,686.73
				09/24/2018	80.86	80.85	0.01	3,686.39
				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	-	-	-

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-4A 4"	3,770.64	55	95	03/24/2016	86.93	80.38	6.55	3,689.18
				06/20/2016	87.91	80.75	7.16	3,688.71
				09/28/2016	85.53	82.09	3.44	3,687.98
				12/13/2016	84.82	82.70	2.12	3,687.59
				03/16/2017	87.90	82.25	5.65	3,687.46
				06/05/2017	84.06	83.55	0.51	3,687.01
				09/19/2017	86.73	83.56	3.17	3,686.56
				12/13/2017	86.54	84.03	2.51	3,686.20
				03/23/2018	85.25	84.65	0.6	3,685.89
				06/14/2018	86.20	81.80	4.4	3,688.11
				09/24/2018	85.65	85.64	0.01	3,685.00
				12/17/2018	86.54	86.03	0.51	3,684.53
				03/21/2019	86.40	86.31	0.09	3,684.32
				06/24/2019	87.02	86.66	0.36	3,683.92
				09/16/2019	87.40	87.15	0.25	3,683.45
				12/12/2019	88.55	87.60	0.95	3,682.88
				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
MW-5 4"	3,768.85	57	97	03/24/2016	84.32	77.78	6.54	3,689.99
				06/20/2016	84.62	78.21	6.41	3,689.58
				09/28/2016	82.42	79.54	2.88	3,688.83
				12/13/2016	83.17	79.82	3.35	3,688.48
				03/16/2017	NL	-	-	-
				06/05/2017	NL	-	-	-
				09/19/2017	90.50	80.32	10.18	3,686.85
				12/13/2017	82.00	81.81	0.19	3,687.01
				03/23/2018	82.45	82.07	0.38	3,686.72
				06/14/2018	82.75	82.55	0.2	3,686.27
				09/24/2018	83.30	83.00	0.3	3,685.80
				12/17/2018	85.10	83.15	1.95	3,685.38
				03/21/2019	85.82	83.30	2.52	3,685.13
				06/24/2019	85.60	83.80	1.8	3,684.75
				09/16/2019	86.12	84.20	1.92	3,684.33
				12/12/2019	86.05	85.03	1.02	3,683.65
				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	-	-	-
MW-6 4"	3,769.50	52	92	03/24/2016	87.85	78.80	9.05	3,689.21
				06/20/2016	87.75	79.28	8.47	3,688.82
				09/28/2016	88.51	79.97	8.54	3,688.12
				12/13/2016	88.08	80.45	7.63	3,687.79
				03/16/2017	89.05	80.55	8.5	3,687.55
				06/05/2017	88.65	81.05	7.6	3,687.20
				09/19/2017	87.73	81.62	6.11	3,686.87
				12/13/2017	86.40	82.60	3.8	3,686.27
				03/23/2018	85.00	83.23	1.77	3,685.98
				06/14/2018	90.00	82.80	7.2	3,685.51
				09/24/2018	84.50	84.33	0.17	3,685.14
				12/17/2018	88.25	84.40	3.85	3,684.46
				03/21/2019	85.73	84.93	0.8	3,684.44
				06/24/2019	86.80	85.25	1.55	3,683.99
				09/16/2019	86.52	85.85	0.67	3,683.54
				12/12/2019	89.55	85.85	3.7	3,683.04
				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

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	3,689.22
				06/20/2016	83.60	81.32	2.28	3,688.50
				09/28/2016	84.88	81.87	3.01	3,687.83
				12/13/2016	84.43	82.34	2.09	3,687.52
				03/16/2017	85.90	81.69	4.21	3,687.82
				06/05/2017	85.98	82.19	3.79	3,687.38
				09/19/2017	85.85	82.59	3.26	3,687.07
				12/13/2017	85.60	83.85	1.75	3,686.06
				03/23/2018	85.97	83.97	2	3,685.90
				06/14/2018	86.00	84.24	1.76	3,685.67
				09/24/2018	86.31	84.31	2	3,685.56
				12/17/2018	86.50	84.81	1.69	3,685.11
				03/21/2019	86.38	84.94	1.44	3,685.02
				06/24/2019	88.75	85.37	3.38	3,684.27
				09/16/2019	86.47	85.90	0.57	3,684.21
				12/12/2019	86.48	86.45	0.03	3,683.75
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
MW-8 4"	3,768.09	53	93	03/24/2016	84.18	78.08	6.1	3,689.00
				06/20/2016	84.61	78.60	6.01	3,688.50
				09/28/2016	85.33	79.29	6.04	3,687.80
				12/13/2016	85.01	79.76	5.25	3,687.46
				03/16/2017	86.40	79.75	6.65	3,687.24
				06/05/2017	85.05	80.46	4.59	3,686.87
				09/19/2017	87.65	80.40	7.25	3,686.49
				12/13/2017	83.53	81.84	1.69	3,685.97
				03/23/2018	86.07	81.63	4.44	3,685.73
				06/14/2018	82.30	82.22	0.08	3,685.86
				09/24/2018	89.11	82.20	6.91	3,684.75
				12/17/2018	89.06	82.71	6.35	3,684.33
				03/21/2019	87.34	83.18	4.16	3,684.22
				06/24/2019	89.57	83.32	6.25	3,683.74
				09/16/2019	84.95	84.72	0.23	3,683.33
				12/12/2019	85.70	85.35	0.35	3,682.68
				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
MW-9 4"	3,767.64	50	90	03/24/2016	85.20	76.70	8.5	3,689.54
				06/20/2016	83.13	77.71	5.42	3,689.04
				09/28/2016	83.88	78.36	5.52	3,688.37
				12/13/2016	85.24	78.50	6.74	3,688.03
				03/16/2017	85.47	78.70	6.77	3,687.82
				06/05/2017	85.66	79.14	6.52	3,687.42
				09/19/2017	82.02	79.52	2.5	3,687.71
				12/13/2017	84.38	80.45	3.93	3,686.54
				03/23/2018	83.55	81.98	1.57	3,685.40
				06/14/2018	84.60	81.30	3.3	3,685.80
				09/24/2018	85.50	82.20	3.3	3,684.90
				03/21/2019	86.16	82.20	3.96	3,684.79
				06/24/2019	87.94	83.03	4.91	3,683.80
				09/16/2019	OB	-	-	-
				12/12/2019	OB	-	-	-
				03/16/2020	OB	-	-	-
				06/18/2020	OB	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-

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-10 4"	3,767.51	50	90	03/24/2016	84.70	76.35	8.35	3,689.78
				06/20/2016	85.18	76.82	8.36	3,689.31
				09/28/2016	85.68	77.52	8.16	3,688.64
				12/13/2016	85.27	78.03	7.24	3,688.29
				03/16/2017	85.83	78.20	7.63	3,688.05
				06/05/2017	86.20	78.56	7.64	3,687.69
				09/19/2017	86.09	79.16	6.93	3,687.21
				12/13/2017	82.87	80.30	2.57	3,686.79
				03/23/2018	84.32	80.35	3.97	3,686.50
				06/14/2018	84.75	80.64	4.11	3,686.19
				09/24/2018	88.35	80.69	7.66	3,685.56
				12/17/2018	88.30	81.15	7.15	3,685.18
				03/21/2019	88.06	81.54	6.52	3,684.89
				06/24/2019	85.73	82.46	3.27	3,684.51
				09/16/2019	84.37	83.22	1.15	3,684.10
				12/12/2019	84.35	83.90	0.45	3,683.54
				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
MW-11 4"	3,769.37	53	93	03/24/2016	85.00	78.40	6.6	3,689.88
				06/20/2016	85.60	78.85	6.75	3,689.41
				09/28/2016	86.19	79.57	6.62	3,688.71
				12/13/2016	86.35	79.96	6.39	3,688.36
				03/16/2017	86.83	80.14	6.69	3,688.13
				06/05/2017	86.95	80.55	6.4	3,687.76
				09/19/2017	87.39	81.04	6.35	3,687.28
				12/13/2017	83.65	82.26	1.39	3,686.88
				03/23/2018	85.06	82.34	2.72	3,686.58
				06/14/2018	85.87	82.75	3.12	3,686.11
				09/24/2018	83.22	83.21	0.01	3,686.16
				12/17/2018	86.60	83.68	2.92	3,685.21
				03/21/2019	85.15	84.22	0.93	3,685.00
				06/24/2019	86.03	84.43	1.6	3,684.68
				09/16/2019	86.90	84.85	2.05	3,684.18
				12/12/2019	87.48	85.42	2.06	3,683.61
				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
MW-12 4"	3,769.68	51	91	03/24/2016	86.60	78.84	7.76	3,689.56
				06/20/2016	87.30	79.35	7.95	3,689.02
				09/28/2016	87.31	80.24	7.07	3,688.27
				12/13/2016	88.31	80.40	7.91	3,687.97
				03/16/2017	88.90	80.57	8.33	3,687.74
				06/05/2017	88.86	81.01	7.85	3,687.37
				09/19/2017	89.31	81.50	7.81	3,686.89
				12/13/2017	83.85	83.01	0.84	3,686.53
				03/23/2018	84.67	83.17	1.5	3,686.26
				06/14/2018	86.35	83.38	2.97	3,685.81
				09/24/2018	84.06	84.05	0.01	3,685.63
				12/17/2018	85.06	85.05	0.01	3,684.63
				03/21/2019	86.58	84.46	2.12	3,684.87
				06/24/2019	87.37	85.00	2.37	3,684.29
				09/16/2019	89.65	85.10	4.55	3,683.83
				12/12/2019	87.30	86.28	1.02	3,683.23
				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

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	3,688.83
				06/20/2016	82.78	82.77	0.01	3,688.37
				09/28/2016	83.51	-	-	3,687.63
				12/13/2016	83.83	-	-	3,687.31
				03/16/2017	84.05	-	-	3,687.09
				06/05/2017	84.42	-	-	3,686.72
				09/19/2017	84.88	-	-	3,686.26
				12/13/2017	85.23	-	-	3,685.91
				03/23/2018	85.50	-	-	3,685.64
				06/14/2018	85.98	-	-	3,685.16
				09/24/2018	86.50	86.49	0.01	3,684.65
				12/17/2018	86.92	86.91	0.01	3,684.23
				03/21/2019	87.31	-	-	3,683.83
				06/24/2019	87.51	-	-	3,683.63
				09/16/2019	88.03	87.98	0.05	3,683.15
				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
MW-14 4"	3,771.62	55	95	03/24/2016	83.18	-	-	3,688.44
				06/20/2016	83.66	-	-	3,687.96
				09/28/2016	84.31	-	-	3,687.31
				12/13/2016	84.64	-	-	3,686.98
				03/16/2017	84.92	-	-	3,686.70
				06/05/2017	85.28	-	-	3,686.34
				09/19/2017	85.78	-	-	3,685.84
				12/13/2017	86.13	-	-	3,685.49
				03/23/2018	86.38	-	-	3,685.24
				06/14/2018	86.82	-	-	3,684.80
				09/24/2018	87.36	-	-	3,684.26
				12/17/2018	87.82	-	-	3,683.80
				03/21/2019	87.92	-	-	3,683.70
				06/24/2019	88.37	-	-	3,683.25
				09/11/2019	88.78	-	-	3,682.84
				12/12/2019	89.31	-	-	3,682.31
				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
MW-15 4"	3,771.49	53	93	03/24/2016	82.82	82.54	0.28	3,688.90
				06/20/2016	82.19	81.98	0.21	3,689.48
				09/28/2016	83.73	-	-	3,687.76
				12/13/2016	84.05	-	-	3,687.44
				03/16/2017	84.25	-	-	3,687.24
				06/05/2017	84.63	-	-	3,686.86
				09/19/2017	85.09	-	-	3,686.40
				12/13/2017	85.42	-	-	3,686.07
				03/23/2018	85.70	85.69	0.01	3,685.80
				06/14/2018	86.20	86.15	0.05	3,685.33
				09/24/2018	86.69	86.68	0.01	3,684.81
				12/17/2018	87.12	87.11	0.01	3,684.38
				03/21/2019	87.31	87.30	0.01	3,684.19
				06/24/2019	87.85	87.70	0.15	3,683.77
				09/16/2019	88.26	88.20	0.06	3,683.28
				12/12/2019	88.77	88.73	0.04	3,682.75
				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	-	-	-

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-16 4"	3,769.23	55	95	03/24/2016	85.60	79.90	5.7	3,688.39
				06/20/2016	81.88	81.30	0.58	3,687.83
				09/28/2016	82.28	81.99	0.29	3,687.19
				12/13/2016	82.43	82.39	0.04	3,686.83
				03/16/2017	82.75	82.58	0.17	3,686.62
				06/05/2017	82.98	-	-	3,686.25
				09/19/2017	83.45	-	-	3,685.78
				12/13/2017	83.81	-	-	3,685.42
				03/23/2018	84.09	-	-	3,685.14
				06/14/2018	84.53	-	-	3,684.70
				09/24/2018	85.06	-	-	3,684.17
				12/17/2018	85.50	-	-	3,683.73
				03/21/2019	85.69	-	-	3,683.54
				06/24/2019	86.10	-	-	3,683.13
				09/11/2019	86.52	86.44	0.08	3,682.78
				12/12/2019	87.41	87.00	0.41	3,682.16
				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
MW-17 4"	3,767.45	48	88	03/24/2016	77.18	-	-	3,690.27
				06/20/2016	77.62	-	-	3,689.83
				09/28/2016	78.25	-	-	3,689.20
				12/13/2016	78.60	-	-	3,688.85
				03/16/2017	78.92	-	-	3,688.53
				06/05/2017	79.25	-	-	3,688.20
				09/19/2017	79.71	-	-	3,687.74
				12/13/2017	80.14	-	-	3,687.31
				03/23/2018	80.41	-	-	3,687.04
				06/14/2018	80.80	-	-	3,686.65
				09/24/2018	81.28	-	-	3,686.17
				12/17/2018	81.74	-	-	3,685.71
				03/21/2019	81.95	-	-	3,685.50
				06/24/2019	82.34	-	-	3,685.11
				09/11/2019	82.69	-	-	3,684.76
				12/12/2019	83.25	-	-	3,684.20
				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
MW-18 4"	3,769.79	48	88	03/24/2016	79.70	-	-	3,690.09
				06/20/2016	80.18	-	-	3,689.61
				09/28/2016	80.80	-	-	3,688.99
				12/13/2016	81.16	-	-	3,688.63
				03/16/2017	81.46	-	-	3,688.33
				06/05/2017	81.79	-	-	3,688.00
				09/19/2017	82.26	-	-	3,687.53
				12/13/2017	82.64	-	-	3,687.15
				03/23/2018	82.90	-	-	3,686.89
				06/14/2018	83.31	-	-	3,686.48
				09/24/2018	83.84	-	-	3,685.95
				12/17/2018	84.32	-	-	3,685.47
				03/21/2019	84.44	-	-	3,685.35
				06/24/2019	84.86	-	-	3,684.93
				09/11/2019	85.26	-	-	3,684.53
				12/12/2019	85.80	-	-	3,683.99
				03/16/2020	86.05	-	-	3683.74
				06/17/2020	86.33	-	-	3683.46
				09/14/2020	DR	-	-	-
				12/07/2020	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	-	-	3,689.15
				06/20/2016	84.70	-	-	3,688.65
				09/28/2016	85.38	-	-	3,687.97
				12/13/2016	85.67	-	-	3,687.68
				03/16/2017	85.95	-	-	3,687.40
				06/05/2017	86.35	-	-	3,687.00
				09/19/2017	86.81	-	-	3,686.54
				12/13/2017	87.18	-	-	3,686.17
				03/23/2018	87.40	-	-	3,685.95
				06/14/2018	87.85	-	-	3,685.50
				09/24/2018	88.41	-	-	3,684.94
				12/17/2018	88.86	-	-	3,684.49
				03/21/2019	88.95	-	-	3,684.40
				06/24/2019	89.40	-	-	3,683.95
				09/11/2019	89.78	-	-	3,683.57
				12/12/2019	90.33	-	-	3,683.02
				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
MW-20 4"	3,773.11	54	94	03/24/2016	84.47	-	-	3,688.64
				06/20/2016	84.96	-	-	3,688.15
				09/28/2016	85.64	-	-	3,687.47
				12/13/2016	85.92	-	-	3,687.19
				03/16/2017	86.20	-	-	3,686.91
				06/05/2017	86.60	-	-	3,686.51
				09/19/2017	87.09	-	-	3,686.02
				12/13/2017	87.43	-	-	3,685.68
				03/23/2018	87.69	-	-	3,685.42
				06/14/2018	88.11	-	-	3,685.00
				09/24/2018	88.68	-	-	3,684.43
				12/17/2018	89.14	-	-	3,683.97
				03/21/2019	89.22	-	-	3,683.89
				06/24/2019	89.67	-	-	3,683.44
				09/11/2019	90.07	-	-	3,683.04
				12/12/2019	90.63	-	-	3,682.48
				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
MW-21 4"	3,767.35	50	90	03/24/2016	76.76	-	-	3,690.59
				06/20/2016	77.22	-	-	3,690.13
				09/28/2016	77.85	-	-	3,689.50
				12/13/2016	78.21	-	-	3,689.14
				03/16/2017	78.55	-	-	3,688.80
				06/05/2017	78.86	-	-	3,688.49
				09/19/2017	79.31	-	-	3,688.04
				12/13/2017	79.73	-	-	3,687.62
				03/23/2018	80.02	-	-	3,687.33
				06/14/2018	80.41	-	-	3,686.94
				09/24/2018	80.89	-	-	3,686.46
				12/17/2018	81.41	-	-	3,685.94
				03/21/2019	81.56	-	-	3,685.79
				06/24/2019	81.95	-	-	3,685.40
				09/11/2019	82.32	-	-	3,685.03
				12/12/2019	82.86	-	-	3,684.49
				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	-	-	3,683.00

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-22 4"	3,769.17	50	90	03/24/2016	78.61	-	-	3,690.56
				06/20/2016	79.06	-	-	3,690.11
				09/28/2016	79.67	-	-	3,689.50
				12/13/2016	80.02	-	-	3,689.15
				03/16/2017	80.32	-	-	3,688.85
				06/05/2017	80.67	-	-	3,688.50
				09/19/2017	81.15	-	-	3,688.02
				12/13/2017	81.54	-	-	3,687.63
				03/23/2018	81.80	-	-	3,687.37
				06/14/2018	82.22	-	-	3,686.95
				09/24/2018	82.71	-	-	3,686.46
				12/17/2018	83.15	-	-	3,686.02
				03/21/2019	83.35	-	-	3,685.82
				06/24/2019	83.74	-	-	3,685.43
				09/11/2019	84.14	-	-	3,685.03
				12/12/2019	84.68	-	-	3,684.49
				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	-	-	3,683.00
MW-23 4"	3,771.00	55	95	03/24/2016	80.75	-	-	3,690.25
				06/20/2016	81.22	-	-	3,689.78
				09/28/2016	81.87	-	-	3,689.13
				12/13/2016	82.20	-	-	3,688.80
				03/16/2017	82.51	-	-	3,688.49
				06/05/2017	82.87	-	-	3,688.13
				09/19/2017	83.32	-	-	3,687.68
				12/13/2017	83.71	-	-	3,687.29
				03/23/2018	83.97	-	-	3,687.03
				06/14/2018	84.20	-	-	3,686.80
				09/24/2018	84.92	-	-	3,686.08
				12/17/2018	85.35	-	-	3,685.65
				03/21/2019	85.52	-	-	3,685.48
				06/24/2019	85.93	-	-	3,685.07
				09/11/2019	86.33	-	-	3,684.67
				12/12/2019	88.88	-	-	3,682.12
				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
MW-24 4"	3,770.97	50	90	03/24/2016	85.10	80.91	4.19	3,689.37
				06/20/2016	85.76	81.40	4.36	3,688.85
				09/28/2016	86.29	82.16	4.13	3,688.13
				12/13/2016	85.82	82.64	3.18	3,687.81
				03/16/2017	87.70	82.56	5.14	3,687.56
				06/05/2017	86.75	83.20	3.55	3,687.18
				09/19/2017	89.00	83.35	5.65	3,686.69
				12/13/2017	85.27	84.60	0.67	3,686.26
				03/23/2018	86.07	84.71	1.36	3,686.04
				06/14/2018	88.20	84.95	3.25	3,685.48
				09/24/2018	88.42	86.24	2.18	3,684.37
				12/17/2018	89.69	85.65	4.04	3,684.65
				03/21/2019	89.41	85.93	3.48	3,684.47
				06/24/2019	89.62	86.38	3.24	3,684.06
				09/16/2019	87.43	86.95	0.48	3,683.94
				12/12/2019	89.90	87.53	2.37	3,683.05
				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

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	3,689.44
				06/20/2016	85.03	80.90	4.13	3,688.96
				09/28/2016	85.90	81.61	4.29	3,688.22
				12/13/2016	NL	-	-	-
				03/16/2017	87.34	81.98	5.36	3,687.68
				06/05/2017	83.75	83.17	0.58	3,687.27
				09/19/2017	84.30	83.61	0.69	3,686.82
				12/13/2017	84.22	84.06	0.16	3,686.45
				03/23/2018	84.53	84.23	0.3	3,686.26
				06/14/2018	85.01	84.80	0.21	3,685.71
				09/24/2018	85.34	85.33	0.01	3,685.21
				12/17/2018	85.80	85.75	0.05	3,684.78
				03/21/2019	85.93	85.91	0.02	3,684.63
				06/24/2019	86.41	86.35	0.06	3,684.18
				09/16/2019	87.10	86.80	0.3	3,683.69
				12/12/2019	87.90	87.27	0.63	3,683.17
				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
MW-26 4"	3,772.89	55	95	03/24/2016	83.30	-	-	3,689.59
				06/20/2016	83.80	-	-	3,689.09
				09/28/2016	84.40	-	-	3,688.49
				12/13/2016	84.75	-	-	3,688.14
				03/16/2017	85.04	-	-	3,687.85
				06/05/2017	85.41	-	-	3,687.48
				09/19/2017	85.87	-	-	3,687.02
				12/13/2017	86.25	-	-	3,686.64
				03/23/2018	86.50	-	-	3,686.39
				06/14/2018	86.95	-	-	3,685.94
				09/24/2018	87.48	-	-	3,685.41
				12/17/2018	87.90	-	-	3,684.99
				03/21/2019	88.05	-	-	3,684.84
				06/24/2019	88.48	-	-	3,684.41
				09/11/2019	89.87	-	-	3,683.02
				12/12/2019	89.40	-	-	3,683.49
				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
MW-27 4"	3,774.53	55	95	03/24/2016	86.82	-	-	3,687.71
				06/20/2016	86.85	-	-	3,687.68
				09/28/2016	87.52	-	-	3,687.01
				12/13/2016	87.80	-	-	3,686.73
				03/16/2017	88.08	-	-	3,686.45
				06/05/2017	88.49	-	-	3,686.04
				09/19/2017	88.95	-	-	3,685.58
				12/13/2017	89.31	-	-	3,685.22
				03/23/2018	89.55	-	-	3,684.98
				06/14/2018	90.01	-	-	3,684.52
				09/24/2018	90.58	-	-	3,683.95
				12/17/2018	90.98	-	-	3,683.55
				03/21/2019	91.09	-	-	3,683.44
				06/24/2019	91.56	-	-	3,682.97
				09/11/2019	92.00	-	-	3,682.53
				12/12/2019	92.52	-	-	3,682.01
				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

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-28 4"	3,772.18	55	95	03/24/2016	84.20	-	-	3,687.98
				06/20/2016	84.70	-	-	3,687.48
				09/28/2016	85.35	-	-	3,686.83
				12/13/2016	85.68	-	-	3,686.50
				03/16/2017	85.93	-	-	3,686.25
				06/05/2017	86.32	-	-	3,685.86
				09/19/2017	86.79	-	-	3,685.39
				12/13/2017	87.18	-	-	3,685.00
				03/23/2018	87.42	-	-	3,684.76
				06/14/2018	87.90	-	-	3,684.28
				09/24/2018	88.41	-	-	3,683.77
				12/17/2018	88.89	-	-	3,683.29
				03/21/2019	88.99	-	-	3,683.19
				06/24/2019	89.42	-	-	3,682.76
				09/11/2019	89.84	-	-	3,682.34
				12/12/2019	90.39	-	-	3,681.79
				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
MW-29 4"	3,769.79	55	96	03/24/2016	81.91	-	-	3,687.88
				06/20/2016	82.40	-	-	3,687.39
				09/28/2016	83.05	-	-	3,686.74
				12/13/2016	83.37	-	-	3,686.42
				03/16/2017	83.65	-	-	3,686.14
				06/05/2017	84.01	-	-	3,685.78
				09/19/2017	84.50	-	-	3,685.29
				12/13/2017	84.88	-	-	3,684.91
				03/23/2018	85.15	-	-	3,684.64
				06/14/2018	85.57	-	-	3,684.22
				09/24/2018	86.50	-	-	3,683.29
				12/17/2018	86.55	-	-	3,683.24
				03/21/2019	86.71	-	-	3,683.08
				06/24/2019	87.13	-	-	3,682.66
				09/11/2019	87.56	-	-	3,682.23
				12/12/2019	88.08	-	-	3,681.71
				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
MW-30 4"	3,766.52	61	91	03/24/2016	81.80	75.78	6.02	3,689.75
				06/20/2016	81.56	75.42	6.14	3,690.09
				09/28/2016	80.55	77.37	3.18	3,688.63
				12/14/2016	80.22	77.88	2.34	3,688.25
				03/16/2017	80.35	78.18	2.17	3,687.98
				06/05/2017	80.32	78.58	1.74	3,687.65
				09/19/2017	80.04	79.22	0.82	3,687.16
				12/13/2017	80.29	79.60	0.69	3,686.81
				03/23/2018	81.09	79.80	1.29	3,686.51
				06/14/2018	83.30	79.87	3.43	3,686.08
				09/24/2018	83.50	80.32	3.18	3,685.68
				12/17/2018	84.84	80.68	4.16	3,685.15
				03/21/2019	83.84	81.18	2.66	3,684.90
				06/24/2019	OB	-	-	-
				09/11/2019	OB	-	-	-
				12/12/2019	84.90	82.50	2.4	3,683.62
				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

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	7.9	3,689.47
				06/20/2016	83.72	75.81	7.91	3,689.33
				09/28/2016	84.04	76.96	7.08	3,688.32
				12/14/2016	83.10	77.56	5.54	3,687.98
				03/16/2017	85.10	77.45	7.65	3,687.74
				06/05/2017	85.15	77.84	7.31	3,687.40
				09/19/2017	85.90	78.39	7.51	3,686.82
				12/13/2017	84.11	79.10	5.01	3,686.52
				03/23/2018	81.83	79.93	1.9	3,686.21
				06/14/2018	80.00	79.70	0.3	3,686.70
				09/24/2018	85.17	80.35	4.82	3,685.30
				12/17/2018	84.80	80.80	4	3,684.99
				03/21/2019	85.44	81.12	4.32	3,684.62
				06/24/2019	85.95	81.58	4.37	3,684.15
				09/11/2019	84.80	82.06	2.74	3,683.94
				12/12/2019	85.43	82.75	2.68	3,683.26
				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
MW-32 4"	3,766.75	60	90	03/24/2016	83.85	76.42	7.43	3,689.10
				06/20/2016	83.43	76.82	6.61	3,688.84
				09/28/2016	83.95	77.74	6.21	3,687.99
				12/14/2016	84.08	78.18	5.9	3,687.60
				03/16/2017	84.70	78.30	6.4	3,687.39
				06/05/2017	84.71	78.75	5.96	3,687.02
				09/19/2017	86.35	79.00	7.35	3,686.54
				12/13/2017	85.33	76.95	8.38	3,688.42
				03/23/2018	85.75	79.93	5.82	3,685.86
				06/14/2018	81.13	80.11	1.02	3,686.47
				09/24/2018	84.20	80.64	3.56	3,685.52
				12/17/2018	88.15	81.11	7.04	3,684.48
				03/21/2019	88.29	81.34	6.95	3,684.26
				06/24/2019	88.73	81.70	7.03	3,683.89
				09/11/2019	88.85	82.26	6.59	3,683.40
				12/12/2019	85.48	83.54	1.94	3,682.89
				03/16/2020	86.25	83.70	2.55	3682.63
				06/17/2020	87.27	83.65	3.62	3682.5
				09/17/2020	89.15	84.08	5.07	3681.83
				12/07/2020	89.51	84.54	4.97	3681.39
MW-33 4"	3,767.44	60	90	03/24/2016	NL	-	-	-
				06/20/2016	85.01	77.95	7.06	3,688.33
				09/28/2016	82.56	79.32	3.24	3,687.59
				12/14/2016	83.23	79.60	3.63	3,687.24
				03/16/2017	85.40	79.45	5.95	3,687.01
				06/05/2017	84.85	79.98	4.87	3,686.66
				09/19/2017	86.32	80.26	6.06	3,686.18
				12/13/2017	83.85	81.20	2.65	3,685.80
				03/23/2018	NL	-	-	-
				06/14/2018	NL	-	-	-
				09/24/2018	88.35	81.80	6.55	3,684.56
				12/17/2018	88.35	82.30	6.05	3,684.14
				03/21/2019	87.57	82.58	4.99	3,684.04
				06/24/2019	88.79	82.95	5.84	3,683.53
				09/11/2019	88.89	83.39	5.5	3,683.14
				12/12/2019	85.13	84.86	0.27	3,682.54
				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

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-34 4"	3,766.32	59.400002	89.400002	03/24/2016	76.85	-	-	3,689.47
				06/20/2016	77.30	-	-	3,689.02
				09/28/2016	77.90	-	-	3,688.42
				12/13/2016	78.28	-	-	3,688.04
				03/16/2017	78.60	-	-	3,687.72
				06/05/2017	79.90	-	-	3,686.42
				09/19/2017	79.36	-	-	3,686.96
				12/13/2017	79.76	-	-	3,686.56
				03/23/2018	83.10	-	-	3,683.22
				06/14/2018	80.45	-	-	3,685.87
				09/24/2018	80.90	-	-	3,685.42
				12/17/2018	81.40	-	-	3,684.92
				03/21/2019	81.67	-	-	3,684.65
				06/24/2019	81.99	-	-	3,684.33
				09/16/2019	82.50	-	-	3,683.82
				12/12/2019	82.92	-	-	3,683.40
				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
MW-35 4"	3,765.67	61.099998	91.099998	03/24/2016	76.71	-	-	3,688.96
				06/20/2016	77.18	-	-	3,688.49
				09/28/2016	77.79	-	-	3,687.88
				12/13/2016	78.18	-	-	3,687.49
				03/16/2017	78.48	-	-	3,687.19
				06/05/2017	78.80	-	-	3,686.87
				09/19/2017	79.25	-	-	3,686.42
				12/13/2017	79.66	-	-	3,686.01
				03/23/2018	79.96	-	-	3,685.71
				06/14/2018	80.35	-	-	3,685.32
				09/24/2018	80.84	-	-	3,684.83
				12/17/2018	81.35	-	-	3,684.32
				03/21/2019	81.57	-	-	3,684.10
				06/24/2019	81.90	-	-	3,683.77
				09/16/2019	82.35	-	-	3,683.32
				12/12/2019	82.85	-	-	3,682.82
				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
MW-36 4"	3,765.37	61.400002	91.400002	03/24/2016	76.91	-	-	3,688.46
				06/20/2016	77.35	-	-	3,688.02
				09/28/2016	78.00	-	-	3,687.37
				12/13/2016	78.37	-	-	3,687.00
				03/16/2017	78.67	-	-	3,686.70
				06/05/2017	79.01	-	-	3,686.36
				09/19/2017	79.46	-	-	3,685.91
				12/13/2017	79.87	-	-	3,685.50
				03/23/2018	80.16	-	-	3,685.21
				06/14/2018	80.56	-	-	3,684.81
				09/24/2018	81.05	-	-	3,684.32
				12/17/2018	81.56	-	-	3,683.81
				03/21/2019	81.79	-	-	3,683.58
				06/24/2019	82.14	-	-	3,683.23
				09/16/2019	82.55	-	-	3,682.82
				12/12/2019	83.06	-	-	3,682.31
				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

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	-	-	3,687.33
				06/20/2016	85.86	-	-	3,686.80
				09/28/2016	86.50	-	-	3,686.16
				12/13/2016	86.81	-	-	3,685.85
				03/16/2017	87.07	-	-	3,685.59
				06/05/2017	87.37	-	-	3,685.29
				09/19/2017	87.92	-	-	3,684.74
				12/13/2017	88.32	-	-	3,684.34
				03/23/2018	88.56	-	-	3,684.10
				06/14/2018	89.03	-	-	3,683.63
				09/24/2018	89.59	-	-	3,683.07
				12/17/2018	89.90	-	-	3,682.76
				03/21/2019	90.10	-	-	3,682.56
				06/24/2019	90.08	-	-	3,682.58
				09/11/2019	91.02	-	-	3,681.64
				12/12/2019	91.52	-	-	3,681.14
				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
MW-38 4"	3,769.96	73	103	03/24/2016	82.52	-	-	3,687.44
				06/20/2016	83.02	-	-	3,686.94
				09/28/2016	83.67	-	-	3,686.29
				12/13/2016	84.02	-	-	3,685.94
				03/16/2017	84.27	-	-	3,685.69
				06/05/2017	84.66	-	-	3,685.30
				09/19/2017	85.10	-	-	3,684.86
				12/13/2017	85.53	-	-	3,684.43
				03/23/2018	85.79	-	-	3,684.17
				06/14/2018	86.21	-	-	3,683.75
				09/24/2018	88.74	-	-	3,681.22
				12/17/2018	91.68	-	-	3,678.28
				03/21/2019	87.35	-	-	3,682.61
				06/24/2019	87.80	-	-	3,682.16
				09/11/2019	88.19	-	-	3,681.77
				12/12/2019	88.72	-	-	3,681.24
				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
MW-39 4"	3,768.99	85	105	09/24/2018	91.21	-	-	3,677.78
				12/17/2018	86.71	-	-	3,682.28
				03/21/2019	86.92	-	-	3,682.07
				06/24/2019	87.28	-	-	3,681.71
				09/17/2019	87.73	-	-	3,681.26
				12/12/2019	88.23	-	-	3,680.76
				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
MW-40 4"	3,773.47	85	105	09/24/2018	86.21	-	-	3,687.26
				12/17/2018	86.71	-	-	3,686.76
				03/21/2019	91.77	-	-	3,681.70
				06/24/2019	92.25	-	-	3,681.22
				09/11/2019	92.66	-	-	3,680.81
				12/12/2019	93.17	-	-	3,680.30
				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

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-41 4"	3,766.15	85	105	09/24/2018	82.50	-	-	3,683.65
				12/17/2018	83.01	-	-	3,683.14
				03/21/2019	83.22	-	-	3,682.93
				06/24/2019	83.58	-	-	3,682.57
				09/16/2019	84.02	-	-	3,682.13
				12/12/2019	84.52	-	-	3,681.63
				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

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
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
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

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-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
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

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-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
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
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

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-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
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
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

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
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
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

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-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
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
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
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

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-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
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

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
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
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
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
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

Analytical Report 656425

for

Talon LPE-Artesia

Project Manager: David Adkins

Moore to Jal #1 (MTJ1)

700376.044.04

03.27.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

03.27.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **656425**
Moore to Jal #1 (MTJ1)
Project Address:

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656425. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 656425 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 656425

Talon LPE-Artesia, Artesia, NM

Moore to Jal #1 (MTJ1)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-17	W	03.17.2020 09:30		656425-001
MW-21	W	03.17.2020 10:00		656425-002
MW-22	W	03.17.2020 11:00		656425-003
MW-23	W	03.17.2020 12:15		656425-004
MW-26	W	03.17.2020 13:10		656425-005
MW-40	W	03.18.2020 11:00		656425-006
MW-38	W	03.18.2020 11:40		656425-007
MW-37	W	03.18.2020 12:40		656425-008
MW-28	W	03.18.2020 13:40		656425-009
MW-29	W	03.19.2020 09:35		656425-010
MW-14	W	03.19.2020 10:40		656425-011
MW-19	W	03.19.2020 11:20		656425-012
MW-20	W	03.19.2020 11:55		656425-013
MW-27	W	03.19.2020 12:55		656425-014
MW-39	W	03.19.2020 13:40		656425-015
MW-13	W	03.19.2020 14:50		656425-016
MW-41	W	03.20.2020 08:55		656425-017
MW-36	W	03.20.2020 09:35		656425-018
MW-35	W	03.20.2020 10:20		656425-019
MW-34	W	03.20.2020 11:10		656425-020

CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Moore to Jal #1 (MTJ1)

Project ID:	*700376.044.04*	Report Date:	*03.27.2020*
Work Order Number(s):	*656425*	Date Received:	*03.20.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Certificate of Analytical Results
656425

Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-17** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-001 Date Collected: 03.17.2020 09:30 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.24.2020 22:57	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.24.2020 22:57	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.24.2020 22:57	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.24.2020 22:57	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.24.2020 22:57	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.24.2020 22:57	U	
Total BTEX		<0.000270		0.000270	mg/L	03.24.2020 22:57	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	74	66 - 120	%		
4-Bromofluorobenzene	76	67 - 120	%		

Sample Id: **MW-21** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-002 Date Collected: 03.17.2020 10:00 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.25.2020 00:43	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 00:43	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 00:43	U	1
m_p-Xylenes	179601-23-1	**0.000500**	0.00200	0.000454	mg/L	03.25.2020 00:43	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 00:43	U	1
Xylenes, Total	1330-20-7	**0.000500**		0.000270	mg/L	03.25.2020 00:43	J	
Total BTEX		**0.000500**		0.000270	mg/L	03.25.2020 00:43	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	102	66 - 120	%		
4-Bromofluorobenzene	112	67 - 120	%		

Certificate of Analytical Results
656425

Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-22** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-003 Date Collected: 03.17.2020 11:00 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.25.2020 01:10	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 01:10	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 01:10	U	1
m_p-Xylenes	179601-23-1	**0.000500**	0.00200	0.000454	mg/L	03.25.2020 01:10	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 01:10	U	1
Xylenes, Total	1330-20-7	**0.000500**		0.000270	mg/L	03.25.2020 01:10	J	
Total BTEX		**0.000500**		0.000270	mg/L	03.25.2020 01:10	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	105	66 - 120	%		
4-Bromofluorobenzene	112	67 - 120	%		

Sample Id: **MW-23** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-004 Date Collected: 03.17.2020 12:15 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.25.2020 01:37	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 01:37	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 01:37	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 01:37	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 01:37	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 01:37	U	
Total BTEX		<0.000270		0.000270	mg/L	03.25.2020 01:37	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	102	66 - 120	%		
4-Bromofluorobenzene	112	67 - 120	%		

Certificate of Analytical Results
656425

Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-26** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-005 Date Collected: 03.17.2020 13:10 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.25.2020 02:04	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 02:04	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 02:04	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 02:04	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 02:04	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 02:04	U	
Total BTEX		<0.000270		0.000270	mg/L	03.25.2020 02:04	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	104	66 - 120	%		
4-Bromofluorobenzene	113	67 - 120	%		

Sample Id: **MW-40** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-006 Date Collected: 03.18.2020 11:00 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**10.1**	0.0500	0.0240	mg/L	03.25.2020 02:31		50
Toluene	108-88-3	<0.0256	0.0500	0.0256	mg/L	03.25.2020 02:31	U	50
Ethylbenzene	100-41-4	**0.0500**	0.0500	0.0308	mg/L	03.25.2020 02:31	J	50
m_p-Xylenes	179601-23-1	**0.100**	0.100	0.0227	mg/L	03.25.2020 02:31	J	50
o-Xylene	95-47-6	<0.0135	0.0500	0.0135	mg/L	03.25.2020 02:31	U	50
Xylenes, Total	1330-20-7	**0.100**		0.0135	mg/L	03.25.2020 02:31		
Total BTEX		**10.3**		0.0135	mg/L	03.25.2020 02:31		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	94	66 - 120	%		
4-Bromofluorobenzene	109	67 - 120	%		

Certificate of Analytical Results
656425

Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-38** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-007 Date Collected: 03.18.2020 11:40 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 12:43

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	**0.00100**	0.000218	0.0000954	mg/L	03.24.2020 15:23		1
2-Methylnaphthalene	91-57-6	<0.000109	0.000218	0.000109	mg/L	03.24.2020 15:23	U	1
Acenaphthene	83-32-9	<0.000120	0.000218	0.000120	mg/L	03.24.2020 15:23	U	1
Acenaphthylene	208-96-8	<0.000101	0.000218	0.000101	mg/L	03.24.2020 15:23	U	1
Anthracene	120-12-7	<0.000104	0.000218	0.000104	mg/L	03.24.2020 15:23	U	1
Benzo(a)anthracene	56-55-3	<0.000161	0.000218	0.000161	mg/L	03.24.2020 15:23	U	1
Benzo(a)pyrene	50-32-8	<0.0000684	0.000218	0.0000684	mg/L	03.24.2020 15:23	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000853	0.000218	0.0000853	mg/L	03.24.2020 15:23	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000136	0.000218	0.000136	mg/L	03.24.2020 15:23	U	1
Benzo(k)fluoranthene	207-08-9	<0.000139	0.000218	0.000139	mg/L	03.24.2020 15:23	U	1
Chrysene	218-01-9	<0.000187	0.000218	0.000187	mg/L	03.24.2020 15:23	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000912	0.000218	0.0000912	mg/L	03.24.2020 15:23	U	1
Fluoranthene	206-44-0	<0.000189	0.000218	0.000189	mg/L	03.24.2020 15:23	U	1
Fluorene	86-73-7	<0.000121	0.000218	0.000121	mg/L	03.24.2020 15:23	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000110	0.000218	0.000110	mg/L	03.24.2020 15:23	U	1
Naphthalene	91-20-3	**0.000788**	0.000436	0.000117	mg/L	03.24.2020 15:23		1
Phenanthrene	85-01-8	**0.000120**	0.000218	0.000102	mg/L	03.24.2020 15:23	J	1
Pyrene	129-00-0	<0.000156	0.000218	0.000156	mg/L	03.24.2020 15:23	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	96	54 - 146	%		
Nitrobenzene-d5	92	46 - 151	%		
Terphenyl-D14	110	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-38**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-007	Date Collected:	03.18.2020 11:40	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3121105	Date Prep:	03.26.2020 14:20		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699876		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.333**	0.00500	0.00240	mg/L	03.26.2020 17:55		5
Toluene	108-88-3	<0.00256	0.00500	0.00256	mg/L	03.26.2020 17:55	U	5
Ethylbenzene	100-41-4	<0.00308	0.00500	0.00308	mg/L	03.26.2020 17:55	U	5
m_p-Xylenes	179601-23-1	<0.00227	0.0100	0.00227	mg/L	03.26.2020 17:55	U	5
o-Xylene	95-47-6	<0.00135	0.00500	0.00135	mg/L	03.26.2020 17:55	U	5
Xylenes, Total	1330-20-7	<0.00135		0.00135	mg/L	03.26.2020 17:55	U	
Total BTEX		**0.333**		0.00135	mg/L	03.26.2020 17:55		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	68	66 - 120	%		
4-Bromofluorobenzene	72	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-37** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-008 Date Collected: 03.18.2020 12:40 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 12:46

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	**0.000163**	0.000205	0.0000895	mg/L	03.24.2020 15:40	J	1
2-Methylnaphthalene	91-57-6	<0.000103	0.000205	0.000103	mg/L	03.24.2020 15:40	U	1
Acenaphthene	83-32-9	<0.000112	0.000205	0.000112	mg/L	03.24.2020 15:40	U	1
Acenaphthylene	208-96-8	<0.0000947	0.000205	0.0000947	mg/L	03.24.2020 15:40	U	1
Anthracene	120-12-7	<0.0000974	0.000205	0.0000974	mg/L	03.24.2020 15:40	U	1
Benzo(a)anthracene	56-55-3	<0.000151	0.000205	0.000151	mg/L	03.24.2020 15:40	U	1
Benzo(a)pyrene	50-32-8	<0.0000642	0.000205	0.0000642	mg/L	03.24.2020 15:40	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000800	0.000205	0.0000800	mg/L	03.24.2020 15:40	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000127	0.000205	0.000127	mg/L	03.24.2020 15:40	U	1
Benzo(k)fluoranthene	207-08-9	<0.000131	0.000205	0.000131	mg/L	03.24.2020 15:40	U	1
Chrysene	218-01-9	<0.000176	0.000205	0.000176	mg/L	03.24.2020 15:40	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000855	0.000205	0.0000855	mg/L	03.24.2020 15:40	U	1
Fluoranthene	206-44-0	<0.000177	0.000205	0.000177	mg/L	03.24.2020 15:40	U	1
Fluorene	86-73-7	<0.000113	0.000205	0.000113	mg/L	03.24.2020 15:40	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000103	0.000205	0.000103	mg/L	03.24.2020 15:40	U	1
Naphthalene	91-20-3	**0.000225**	0.000409	0.000109	mg/L	03.24.2020 15:40	J	1
Phenanthrene	85-01-8	<0.0000957	0.000205	0.0000957	mg/L	03.24.2020 15:40	U	1
Pyrene	129-00-0	<0.000147	0.000205	0.000147	mg/L	03.24.2020 15:40	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	108	54 - 146	%		
Nitrobenzene-d5	101	46 - 151	%		
Terphenyl-D14	122	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-37**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-008	Date Collected:	03.18.2020 12:40	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3120991	Date Prep:	03.24.2020 12:57		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699774		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0856**	0.00100	0.000480	mg/L	03.25.2020 03:25		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 03:25	U	1
Ethylbenzene	100-41-4	**0.00160**	0.00100	0.000616	mg/L	03.25.2020 03:25		1
m_p-Xylenes	179601-23-1	**0.00240**	0.00200	0.000454	mg/L	03.25.2020 03:25		1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 03:25	U	1
Xylenes, Total	1330-20-7	**0.00240**		0.000270	mg/L	03.25.2020 03:25		
Total BTEX		**0.0896**		0.000270	mg/L	03.25.2020 03:25		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	95	66 - 120	%		
4-Bromofluorobenzene	114	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-28** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-009 Date Collected: 03.18.2020 13:40 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 12:49

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	**0.000141**	0.000197	0.0000861	mg/L	03.24.2020 15:57	J	1
2-Methylnaphthalene	91-57-6	<0.0000988	0.000197	0.0000988	mg/L	03.24.2020 15:57	U	1
Acenaphthene	83-32-9	<0.000108	0.000197	0.000108	mg/L	03.24.2020 15:57	U	1
Acenaphthylene	208-96-8	<0.0000912	0.000197	0.0000912	mg/L	03.24.2020 15:57	U	1
Anthracene	120-12-7	<0.0000938	0.000197	0.0000938	mg/L	03.24.2020 15:57	U	1
Benzo(a)anthracene	56-55-3	<0.000146	0.000197	0.000146	mg/L	03.24.2020 15:57	U	1
Benzo(a)pyrene	50-32-8	<0.0000618	0.000197	0.0000618	mg/L	03.24.2020 15:57	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000770	0.000197	0.0000770	mg/L	03.24.2020 15:57	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000123	0.000197	0.000123	mg/L	03.24.2020 15:57	U	1
Benzo(k)fluoranthene	207-08-9	<0.000126	0.000197	0.000126	mg/L	03.24.2020 15:57	U	1
Chrysene	218-01-9	<0.000169	0.000197	0.000169	mg/L	03.24.2020 15:57	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000823	0.000197	0.0000823	mg/L	03.24.2020 15:57	U	1
Fluoranthene	206-44-0	<0.000170	0.000197	0.000170	mg/L	03.24.2020 15:57	U	1
Fluorene	86-73-7	<0.000109	0.000197	0.000109	mg/L	03.24.2020 15:57	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000989	0.000197	0.0000989	mg/L	03.24.2020 15:57	U	1
Naphthalene	91-20-3	**0.000207**	0.000394	0.000105	mg/L	03.24.2020 15:57	J	1
Phenanthrene	85-01-8	<0.0000921	0.000197	0.0000921	mg/L	03.24.2020 15:57	U	1
Pyrene	129-00-0	<0.000141	0.000197	0.000141	mg/L	03.24.2020 15:57	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	102	54 - 146	%		
Nitrobenzene-d5	94	46 - 151	%		
Terphenyl-D14	114	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-28**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-009	Date Collected:	03.18.2020 13:40	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3120991	Date Prep:	03.24.2020 12:57		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699774		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0567**	0.00100	0.000480	mg/L	03.25.2020 03:52		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 03:52	U	1
Ethylbenzene	100-41-4	**0.00130**	0.00100	0.000616	mg/L	03.25.2020 03:52		1
m_p-Xylenes	179601-23-1	**0.00200**	0.00200	0.000454	mg/L	03.25.2020 03:52	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 03:52	U	1
Xylenes, Total	1330-20-7	**0.00200**		0.000270	mg/L	03.25.2020 03:52		
Total BTEX		**0.0600**		0.000270	mg/L	03.25.2020 03:52		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	96	66 - 120	%		
4-Bromofluorobenzene	111	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-29**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-010	Date Collected:	03.19.2020 09:35	Date Received:	03.20.2020 13:52
Analytical Method:	PAHs by SW846 8270D SIM			Prep Method:	SW3511
Analyst:	DNE	% Moist:		Tech:	DNE
Seq Number:	3120726	Date Prep:	03.24.2020 12:52		
Subcontractor:	SUB: T104704215-19-30	Prep seq:	7699559		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	**0.000221**	0.000201	0.0000879	mg/L	03.24.2020 16:15		1
2-Methylnaphthalene	91-57-6	<0.000101	0.000201	0.000101	mg/L	03.24.2020 16:15	U	1
Acenaphthene	83-32-9	<0.000110	0.000201	0.000110	mg/L	03.24.2020 16:15	U	1
Acenaphthylene	208-96-8	<0.0000930	0.000201	0.0000930	mg/L	03.24.2020 16:15	U	1
Anthracene	120-12-7	<0.0000957	0.000201	0.0000957	mg/L	03.24.2020 16:15	U	1
Benzo(a)anthracene	56-55-3	<0.000149	0.000201	0.000149	mg/L	03.24.2020 16:15	U	1
Benzo(a)pyrene	50-32-8	<0.0000630	0.000201	0.0000630	mg/L	03.24.2020 16:15	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000785	0.000201	0.0000785	mg/L	03.24.2020 16:15	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000125	0.000201	0.000125	mg/L	03.24.2020 16:15	U	1
Benzo(k)fluoranthene	207-08-9	<0.000128	0.000201	0.000128	mg/L	03.24.2020 16:15	U	1
Chrysene	218-01-9	<0.000172	0.000201	0.000172	mg/L	03.24.2020 16:15	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000840	0.000201	0.0000840	mg/L	03.24.2020 16:15	U	1
Fluoranthene	206-44-0	<0.000174	0.000201	0.000174	mg/L	03.24.2020 16:15	U	1
Fluorene	86-73-7	**0.000176**	0.000201	0.000111	mg/L	03.24.2020 16:15	J	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000101	0.000201	0.000101	mg/L	03.24.2020 16:15	U	1
Naphthalene	91-20-3	**0.000223**	0.000402	0.000107	mg/L	03.24.2020 16:15	J	1
Phenanthrene	85-01-8	<0.0000940	0.000201	0.0000940	mg/L	03.24.2020 16:15	U	1
Pyrene	129-00-0	<0.000144	0.000201	0.000144	mg/L	03.24.2020 16:15	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	106	54 - 146	%		
Nitrobenzene-d5	100	46 - 151	%		
Terphenyl-D14	120	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-29** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-010 Date Collected: 03.19.2020 09:35 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0121**	0.00100	0.000480	mg/L	03.25.2020 04:19		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 04:19	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 04:19	U	1
m_p-Xylenes	179601-23-1	**0.000800**	0.00200	0.000454	mg/L	03.25.2020 04:19	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 04:19	U	1
Xylenes, Total	1330-20-7	**0.000800**		0.000270	mg/L	03.25.2020 04:19	J	
Total BTEX		**0.0129**		0.000270	mg/L	03.25.2020 04:19		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	102	66 - 120	%		
4-Bromofluorobenzene	115	67 - 120	%		

Sample Id: **MW-14** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-011 Date Collected: 03.19.2020 10:40 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0123**	0.00100	0.000480	mg/L	03.25.2020 06:06		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 06:06	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 06:06	U	1
m_p-Xylenes	179601-23-1	**0.000900**	0.00200	0.000454	mg/L	03.25.2020 06:06	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 06:06	U	1
Xylenes, Total	1330-20-7	**0.000900**		0.000270	mg/L	03.25.2020 06:06	J	
Total BTEX		**0.0132**		0.000270	mg/L	03.25.2020 06:06		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	96	66 - 120	%		
4-Bromofluorobenzene	116	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-19** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-012 Date Collected: 03.19.2020 11:20 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0109**	0.00100	0.000480	mg/L	03.25.2020 06:33		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 06:33	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 06:33	U	1
m_p-Xylenes	179601-23-1	**0.000600**	0.00200	0.000454	mg/L	03.25.2020 06:33	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 06:33	U	1
Xylenes, Total	1330-20-7	**0.000600**		0.000270	mg/L	03.25.2020 06:33	J	
Total BTEX		**0.0115**		0.000270	mg/L	03.25.2020 06:33		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	98	66 - 120	%		
4-Bromofluorobenzene	115	67 - 120	%		

Sample Id: **MW-20** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-013 Date Collected: 03.19.2020 11:55 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00220**	0.00100	0.000480	mg/L	03.25.2020 06:59		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 06:59	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 06:59	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 06:59	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 06:59	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 06:59	U	
Total BTEX		**0.00220**		0.000270	mg/L	03.25.2020 06:59		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	103	66 - 120	%		
4-Bromofluorobenzene	114	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-27** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-014 Date Collected: 03.19.2020 12:55 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 12:55

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	<0.0000879	0.000201	0.0000879	mg/L	03.24.2020 16:32	U	1
2-Methylnaphthalene	91-57-6	<0.000101	0.000201	0.000101	mg/L	03.24.2020 16:32	U	1
Acenaphthene	83-32-9	<0.000110	0.000201	0.000110	mg/L	03.24.2020 16:32	U	1
Acenaphthylene	208-96-8	<0.0000930	0.000201	0.0000930	mg/L	03.24.2020 16:32	U	1
Anthracene	120-12-7	<0.0000957	0.000201	0.0000957	mg/L	03.24.2020 16:32	U	1
Benzo(a)anthracene	56-55-3	<0.000149	0.000201	0.000149	mg/L	03.24.2020 16:32	U	1
Benzo(a)pyrene	50-32-8	<0.0000630	0.000201	0.0000630	mg/L	03.24.2020 16:32	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000785	0.000201	0.0000785	mg/L	03.24.2020 16:32	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000125	0.000201	0.000125	mg/L	03.24.2020 16:32	U	1
Benzo(k)fluoranthene	207-08-9	<0.000128	0.000201	0.000128	mg/L	03.24.2020 16:32	U	1
Chrysene	218-01-9	<0.000172	0.000201	0.000172	mg/L	03.24.2020 16:32	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000839	0.000201	0.0000839	mg/L	03.24.2020 16:32	U	1
Fluoranthene	206-44-0	<0.000174	0.000201	0.000174	mg/L	03.24.2020 16:32	U	1
Fluorene	86-73-7	<0.000111	0.000201	0.000111	mg/L	03.24.2020 16:32	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000101	0.000201	0.000101	mg/L	03.24.2020 16:32	U	1
Naphthalene	91-20-3	<0.000107	0.000402	0.000107	mg/L	03.24.2020 16:32	U	1
Phenanthrene	85-01-8	<0.0000939	0.000201	0.0000939	mg/L	03.24.2020 16:32	U	1
Pyrene	129-00-0	<0.000144	0.000201	0.000144	mg/L	03.24.2020 16:32	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	104	54 - 146	%		
Nitrobenzene-d5	98	46 - 151	%		
Terphenyl-D14	119	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-27** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-014 Date Collected: 03.19.2020 12:55 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00650**	0.00100	0.000480	mg/L	03.25.2020 07:26		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 07:26	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 07:26	U	1
m_p-Xylenes	179601-23-1	**0.000600**	0.00200	0.000454	mg/L	03.25.2020 07:26	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 07:26	U	1
Xylenes, Total	1330-20-7	**0.000600**		0.000270	mg/L	03.25.2020 07:26	J	
Total BTEX		**0.00710**		0.000270	mg/L	03.25.2020 07:26		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	102	66 - 120	%		
4-Bromofluorobenzene	110	67 - 120	%		

Sample Id: **MW-39** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-015 Date Collected: 03.19.2020 13:40 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0571**	0.00100	0.000480	mg/L	03.25.2020 07:53		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 07:53	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 07:53	U	1
m_p-Xylenes	179601-23-1	**0.00190**	0.00200	0.000454	mg/L	03.25.2020 07:53	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 07:53	U	1
Xylenes, Total	1330-20-7	**0.00190**		0.000270	mg/L	03.25.2020 07:53		
Total BTEX		**0.0590**		0.000270	mg/L	03.25.2020 07:53		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	96	66 - 120	%		
4-Bromofluorobenzene	111	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-13** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-016 Date Collected: 03.19.2020 14:50 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0404**	0.00100	0.000480	mg/L	03.25.2020 08:20		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 08:20	U	1
Ethylbenzene	100-41-4	**0.00200**	0.00100	0.000616	mg/L	03.25.2020 08:20		1
m_p-Xylenes	179601-23-1	**0.00280**	0.00200	0.000454	mg/L	03.25.2020 08:20		1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 08:20	U	1
Xylenes, Total	1330-20-7	**0.00280**		0.000270	mg/L	03.25.2020 08:20		
Total BTEX		**0.0452**		0.000270	mg/L	03.25.2020 08:20		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	98	66 - 120	%		
4-Bromofluorobenzene	112	67 - 120	%		

Sample Id: **MW-41** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-017 Date Collected: 03.20.2020 08:55 Date Received: 03.20.2020 13:52

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00680**	0.00100	0.000480	mg/L	03.25.2020 08:47		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 08:47	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 08:47	U	1
m_p-Xylenes	179601-23-1	**0.000600**	0.00200	0.000454	mg/L	03.25.2020 08:47	J	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 08:47	U	1
Xylenes, Total	1330-20-7	**0.000600**		0.000270	mg/L	03.25.2020 08:47	J	
Total BTEX		**0.00740**		0.000270	mg/L	03.25.2020 08:47		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	102	66 - 120	%		
4-Bromofluorobenzene	114	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-36**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-018	Date Collected:	03.20.2020 09:35	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3120991	Date Prep:	03.24.2020 12:57		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699774		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00430**	0.00100	0.000480	mg/L	03.25.2020 09:56		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 09:56	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 09:56	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 09:56	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 09:56	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 09:56	U	
Total BTEX		**0.00430**		0.000270	mg/L	03.25.2020 09:56		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	103	66 - 120	%		
4-Bromofluorobenzene	111	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-35** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-019 Date Collected: 03.20.2020 10:20 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 12:58

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	<0.0000942	0.000215	0.0000942	mg/L	03.24.2020 16:49	U	1
2-Methylnaphthalene	91-57-6	<0.000108	0.000215	0.000108	mg/L	03.24.2020 16:49	U	1
Acenaphthene	83-32-9	<0.000118	0.000215	0.000118	mg/L	03.24.2020 16:49	U	1
Acenaphthylene	208-96-8	<0.0000997	0.000215	0.0000997	mg/L	03.24.2020 16:49	U	1
Anthracene	120-12-7	<0.000103	0.000215	0.000103	mg/L	03.24.2020 16:49	U	1
Benzo(a)anthracene	56-55-3	<0.000159	0.000215	0.000159	mg/L	03.24.2020 16:49	U	1
Benzo(a)pyrene	50-32-8	<0.0000676	0.000215	0.0000676	mg/L	03.24.2020 16:49	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000842	0.000215	0.0000842	mg/L	03.24.2020 16:49	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000134	0.000215	0.000134	mg/L	03.24.2020 16:49	U	1
Benzo(k)fluoranthene	207-08-9	<0.000138	0.000215	0.000138	mg/L	03.24.2020 16:49	U	1
Chrysene	218-01-9	<0.000185	0.000215	0.000185	mg/L	03.24.2020 16:49	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000900	0.000215	0.0000900	mg/L	03.24.2020 16:49	U	1
Fluoranthene	206-44-0	<0.000186	0.000215	0.000186	mg/L	03.24.2020 16:49	U	1
Fluorene	86-73-7	<0.000119	0.000215	0.000119	mg/L	03.24.2020 16:49	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000108	0.000215	0.000108	mg/L	03.24.2020 16:49	U	1
Naphthalene	91-20-3	<0.000115	0.000431	0.000115	mg/L	03.24.2020 16:49	U	1
Phenanthrene	85-01-8	<0.000101	0.000215	0.000101	mg/L	03.24.2020 16:49	U	1
Pyrene	129-00-0	<0.000154	0.000215	0.000154	mg/L	03.24.2020 16:49	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	92	54 - 146	%		
Nitrobenzene-d5	86	46 - 151	%		
Terphenyl-D14	105	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-35**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-019	Date Collected:	03.20.2020 10:20	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3120991	Date Prep:	03.24.2020 12:57		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699774		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00330**	0.00100	0.000480	mg/L	03.25.2020 10:23		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 10:23	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 10:23	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 10:23	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 10:23	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 10:23	U	
Total BTEX		**0.00330**		0.000270	mg/L	03.25.2020 10:23		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	104	66 - 120	%		
4-Bromofluorobenzene	112	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **MW-34** Matrix: Ground Water Sample Depth:

Lab Sample Id: 656425-020 Date Collected: 03.20.2020 11:10 Date Received: 03.20.2020 13:52

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 13:01

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	<0.0000979	0.000224	0.0000979	mg/L	03.24.2020 17:07	U	1
2-Methylnaphthalene	91-57-6	<0.000112	0.000224	0.000112	mg/L	03.24.2020 17:07	U	1
Acenaphthene	83-32-9	<0.000123	0.000224	0.000123	mg/L	03.24.2020 17:07	U	1
Acenaphthylene	208-96-8	<0.000104	0.000224	0.000104	mg/L	03.24.2020 17:07	U	1
Anthracene	120-12-7	<0.000107	0.000224	0.000107	mg/L	03.24.2020 17:07	U	1
Benzo(a)anthracene	56-55-3	<0.000166	0.000224	0.000166	mg/L	03.24.2020 17:07	U	1
Benzo(a)pyrene	50-32-8	<0.0000703	0.000224	0.0000703	mg/L	03.24.2020 17:07	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000875	0.000224	0.0000875	mg/L	03.24.2020 17:07	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000139	0.000224	0.000139	mg/L	03.24.2020 17:07	U	1
Benzo(k)fluoranthene	207-08-9	<0.000143	0.000224	0.000143	mg/L	03.24.2020 17:07	U	1
Chrysene	218-01-9	<0.000192	0.000224	0.000192	mg/L	03.24.2020 17:07	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000936	0.000224	0.0000936	mg/L	03.24.2020 17:07	U	1
Fluoranthene	206-44-0	<0.000194	0.000224	0.000194	mg/L	03.24.2020 17:07	U	1
Fluorene	86-73-7	<0.000124	0.000224	0.000124	mg/L	03.24.2020 17:07	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.000112	0.000224	0.000112	mg/L	03.24.2020 17:07	U	1
Naphthalene	91-20-3	<0.000120	0.000448	0.000120	mg/L	03.24.2020 17:07	U	1
Phenanthrene	85-01-8	<0.000105	0.000224	0.000105	mg/L	03.24.2020 17:07	U	1
Pyrene	129-00-0	<0.000160	0.000224	0.000160	mg/L	03.24.2020 17:07	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	59	54 - 146	%		
Nitrobenzene-d5	55	46 - 151	%		
Terphenyl-D14	64	51 - 139	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id:	**MW-34**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	656425-020	Date Collected:	03.20.2020 11:10	Date Received:	03.20.2020 13:52
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	MIT	% Moist:		Tech:	MIT
Seq Number:	3120991	Date Prep:	03.24.2020 12:57		
Subcontractor:	SUB: T104704219-19-21	Prep seq:	7699774		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00470**	0.00100	0.000480	mg/L	03.25.2020 10:50		1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.25.2020 10:50	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.25.2020 10:50	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.25.2020 10:50	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.25.2020 10:50	U	1
Xylenes, Total	1330-20-7	<0.000270		0.000270	mg/L	03.25.2020 10:50	U	
Total BTEX		**0.00470**		0.000270	mg/L	03.25.2020 10:50		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	103	66 - 120	%		
4-Bromofluorobenzene	110	67 - 120	%		

Certificate of Analytical Results
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Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **7699559-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7699559-1-BLK Date Collected: Date Received:

Analytical Method: PAHs by SW846 8270D SIM Prep Method: SW3511

Analyst: DNE % Moist: Tech: DNE

Seq Number: 3120726 Date Prep: 03.24.2020 09:00

Subcontractor: SUB: T104704215-19-30 Prep seq: 7699559

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
1-Methylnaphthalene	90-12-0	<0.0000795	0.000182	0.0000795	mg/L	03.24.2020 11:31	U	1
2-Methylnaphthalene	91-57-6	<0.0000913	0.000182	0.0000913	mg/L	03.24.2020 11:31	U	1
Acenaphthene	83-32-9	<0.000100	0.000182	0.0001000	mg/L	03.24.2020 11:31	U	1
Acenaphthylene	208-96-8	<0.0000842	0.000182	0.0000842	mg/L	03.24.2020 11:31	U	1
Anthracene	120-12-7	<0.0000866	0.000182	0.0000866	mg/L	03.24.2020 11:31	U	1
Benzo(a)anthracene	56-55-3	<0.000134	0.000182	0.000134	mg/L	03.24.2020 11:31	U	1
Benzo(a)pyrene	50-32-8	<0.0000571	0.000182	0.0000571	mg/L	03.24.2020 11:31	U	1
Benzo(b)fluoranthene	205-99-2	<0.0000711	0.000182	0.0000711	mg/L	03.24.2020 11:31	U	1
Benzo(g,h,i)perylene	191-24-2	<0.000113	0.000182	0.000113	mg/L	03.24.2020 11:31	U	1
Benzo(k)fluoranthene	207-08-9	<0.000116	0.000182	0.000116	mg/L	03.24.2020 11:31	U	1
Chrysene	218-01-9	<0.000156	0.000182	0.000156	mg/L	03.24.2020 11:31	U	1
Dibenz(a,h)anthracene	53-70-3	<0.0000760	0.000182	0.0000760	mg/L	03.24.2020 11:31	U	1
Fluoranthene	206-44-0	<0.000157	0.000182	0.000157	mg/L	03.24.2020 11:31	U	1
Fluorene	86-73-7	<0.000101	0.000182	0.000101	mg/L	03.24.2020 11:31	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	<0.0000913	0.000182	0.0000913	mg/L	03.24.2020 11:31	U	1
Naphthalene	91-20-3	<0.0000972	0.000364	0.0000972	mg/L	03.24.2020 11:31	U	1
Phenanthrene	85-01-8	<0.0000850	0.000182	0.0000850	mg/L	03.24.2020 11:31	U	1
Pyrene	129-00-0	<0.000130	0.000182	0.000130	mg/L	03.24.2020 11:31	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
2-Fluorobiphenyl	109	54 - 146	%		
Nitrobenzene-d5	101	46 - 151	%		
Terphenyl-D14	115	51 - 139	%		

Certificate of Analytical Results
656425

Talon LPE-Artesia, Artesia, NM
Moore to Jal #1 (MTJ1)

Sample Id: **7699774-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7699774-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3120991 Date Prep: 03.24.2020 12:57

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699774

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.24.2020 22:30	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.24.2020 22:30	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.24.2020 22:30	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.24.2020 22:30	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.24.2020 22:30	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	105	66 - 120	%		
4-Bromofluorobenzene	113	67 - 120	%		

Sample Id: **7699876-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7699876-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: MIT % Moist: Tech: MIT

Seq Number: 3121105 Date Prep: 03.26.2020 14:20

Subcontractor: SUB: T104704219-19-21 Prep seq: 7699876

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000480	0.00100	0.000480	mg/L	03.26.2020 17:28	U	1
Toluene	108-88-3	<0.000512	0.00100	0.000512	mg/L	03.26.2020 17:28	U	1
Ethylbenzene	100-41-4	<0.000616	0.00100	0.000616	mg/L	03.26.2020 17:28	U	1
m_p-Xylenes	179601-23-1	<0.000454	0.00200	0.000454	mg/L	03.26.2020 17:28	U	1
o-Xylene	95-47-6	<0.000270	0.00100	0.000270	mg/L	03.26.2020 17:28	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
a,a,a-Trifluorotoluene	104	66 - 120	%		
4-Bromofluorobenzene	105	67 - 120	%		

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Orders : 656425 **Project ID:** 700376.044.04

Lab Batch #: 3120991 **Sample:** 7699774-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 20:42 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0949	0.100	95	66-120	
4-Bromofluorobenzene	0.104	0.100	104	67-120	

Lab Batch #: 3120991 **Sample:** 7699774-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 21:09 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0945	0.100	95	66-120	
4-Bromofluorobenzene	0.100	0.100	100	67-120	

Lab Batch #: 3120991 **Sample:** 7699774-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 22:30 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.105	0.100	105	66-120	
4-Bromofluorobenzene	0.113	0.100	113	67-120	

Lab Batch #: 3120991 **Sample:** 656425-001 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.24.2020 23:23 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0933	0.100	93	66-120	
4-Bromofluorobenzene	0.103	0.100	103	67-120	

Lab Batch #: 3120991 **Sample:** 656425-001 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.24.2020 23:50 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0922	0.100	92	66-120	
4-Bromofluorobenzene	0.103	0.100	103	67-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Orders : 656425 **Project ID:** 700376.044.04

Lab Batch #: 3121105 **Sample:** 7699876-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.26.2020 15:41 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0954	0.100	95	66-120	
4-Bromofluorobenzene	0.101	0.100	101	67-120	

Lab Batch #: 3121105 **Sample:** 7699876-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.26.2020 16:08 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.0897	0.100	90	66-120	
4-Bromofluorobenzene	0.0989	0.100	99	67-120	

Lab Batch #: 3121105 **Sample:** 7699876-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.26.2020 17:28 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.104	0.100	104	66-120	
4-Bromofluorobenzene	0.105	0.100	105	67-120	

Lab Batch #: 3121105 **Sample:** 656425-007 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.26.2020 18:22 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.468	0.500	94	66-120	
4-Bromofluorobenzene	0.0996	0.100	100	67-120	

Lab Batch #: 3121105 **Sample:** 656425-007 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 03.26.2020 18:49 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
a,a,a-Trifluorotoluene	0.449	0.500	90	66-120	
4-Bromofluorobenzene	0.0984	0.100	98	67-120	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Orders : 656425 **Project ID:** 700376.044.04

Lab Batch #: 3120726 **Sample:** 7699559-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 11:31 **SURROGATE RECOVERY STUDY**

PAHs by SW846 8270D SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.545	0.500	109	54-146	
Nitrobenzene-d5	0.506	0.500	101	46-151	
Terphenyl-D14	0.574	0.500	115	51-139	

Lab Batch #: 3120726 **Sample:** 7699559-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 11:48 **SURROGATE RECOVERY STUDY**

PAHs by SW846 8270D SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.554	0.500	111	54-146	
Nitrobenzene-d5	0.509	0.500	102	46-151	
Terphenyl-D14	0.563	0.500	113	51-139	

Lab Batch #: 3120726 **Sample:** 7699559-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 03.24.2020 12:06 **SURROGATE RECOVERY STUDY**

PAHs by SW846 8270D SIM Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
2-Fluorobiphenyl	0.556	0.500	111	54-146	
Nitrobenzene-d5	0.531	0.500	106	46-151	
Terphenyl-D14	0.614	0.500	123	51-139	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Order #: 656425 **Project ID:** 700376.044.04

Analyst: MIT **Date Prepared:** 03.24.2020 **Date Analyzed:** 03.24.2020

Lab Batch ID: 3120991 **Sample:** 7699774-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000480	0.100	0.109	109	0.100	0.103	103	6	74-120	20	
Toluene	<0.000512	0.100	0.111	111	0.100	0.110	110	1	74-120	20	
Ethylbenzene	<0.000616	0.100	0.111	111	0.100	0.110	110	1	74-120	20	
m_p-Xylenes	<0.000454	0.200	0.220	110	0.200	0.217	109	1	73-120	25	
o-Xylene	<0.000270	0.100	0.110	110	0.100	0.109	109	1	73-120	25	

Analyst: MIT **Date Prepared:** 03.26.2020 **Date Analyzed:** 03.26.2020

Lab Batch ID: 3121105 **Sample:** 7699876-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000480	0.100	0.110	110	0.100	0.110	110	0	74-120	20	
Toluene	<0.000512	0.100	0.111	111	0.100	0.110	110	1	74-120	20	
Ethylbenzene	<0.000616	0.100	0.111	111	0.100	0.111	111	0	74-120	20	
m_p-Xylenes	<0.000454	0.200	0.219	110	0.200	0.221	111	1	73-120	25	
o-Xylene	<0.000270	0.100	0.108	108	0.100	0.110	110	2	73-120	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Order #: 656425 **Project ID:** 700376.044.04

Analyst: DNE **Date Prepared:** 03.24.2020 **Date Analyzed:** 03.24.2020

Lab Batch ID: 3120726 **Sample:** 7699559-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

PAHs by SW846 8270D SIM Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1-Methylnaphthalene	<0.0000795	0.0182	0.0198	109	0.0182	0.0195	107	2	70-126	30	
2-Methylnaphthalene	<0.0000913	0.0182	0.0208	114	0.0182	0.0205	113	1	74-121	30	
Acenaphthene	<0.000100	0.0182	0.0194	107	0.0182	0.0196	108	1	75-127	30	
Acenaphthylene	<0.0000842	0.0182	0.0189	104	0.0182	0.0192	105	2	78-133	30	
Anthracene	<0.0000866	0.0182	0.0195	107	0.0182	0.0197	108	1	73-145	30	
Benzo(a)anthracene	<0.000134	0.0182	0.0187	103	0.0182	0.0201	110	7	77-131	30	
Benzo(a)pyrene	<0.0000571	0.0182	0.0180	99	0.0182	0.0197	108	9	56-163	30	
Benzo(b)fluoranthene	<0.0000711	0.0182	0.0177	97	0.0182	0.0194	107	9	74-138	30	
Benzo(g,h,i)perylene	<0.000113	0.0182	0.0158	87	0.0182	0.0175	96	10	77-127	30	
Benzo(k)fluoranthene	<0.000116	0.0182	0.0187	103	0.0182	0.0202	111	8	67-142	30	
Chrysene	<0.000156	0.0182	0.0181	99	0.0182	0.0191	105	5	66-126	30	
Dibenz(a,h)anthracene	<0.0000760	0.0182	0.0169	93	0.0182	0.0186	102	10	71-142	30	
Fluoranthene	<0.000157	0.0182	0.0199	109	0.0182	0.0201	110	1	78-138	30	
Fluorene	<0.000101	0.0182	0.0203	112	0.0182	0.0205	113	1	79-128	30	
Indeno(1,2,3-c,d)Pyrene	<0.0000913	0.0182	0.0167	92	0.0182	0.0185	102	10	76-140	30	
Naphthalene	<0.0000972	0.0182	0.0191	105	0.0182	0.0193	106	1	72-122	30	
Phenanthrene	<0.0000850	0.0182	0.0197	108	0.0182	0.0197	108	0	76-129	30	
Pyrene	<0.000130	0.0182	0.0199	109	0.0182	0.0203	112	2	74-138	30	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Moore to Jal #1 (MTJ1)

Work Order # : 656425 **Project ID:** 700376.044.04

Lab Batch ID: 3120991 **QC- Sample ID:** 656425-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 03.24.2020 **Date Prepared:** 03.24.2020 **Analyst:** MIT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000480	0.100	0.109	109	0.100	0.104	104	5	15-147	25	
Toluene	<0.000512	0.100	0.116	116	0.100	0.111	111	4	11-147	25	
Ethylbenzene	<0.000616	0.100	0.114	114	0.100	0.111	111	3	10-149	25	
m_p-Xylenes	<0.000454	0.200	0.226	113	0.200	0.219	110	3	62-124	25	
o-Xylene	<0.000270	0.100	0.111	111	0.100	0.111	111	0	62-124	25	

Lab Batch ID: 3121105 **QC- Sample ID:** 656425-007 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 03.26.2020 **Date Prepared:** 03.26.2020 **Analyst:** MIT

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.333	0.500	1.04	141	0.500	0.954	124	9	15-147	25	
Toluene	<0.00256	0.500	0.559	112	0.500	0.560	112	0	11-147	25	
Ethylbenzene	<0.00308	0.500	0.563	113	0.500	0.559	112	1	10-149	25	
m_p-Xylenes	<0.00227	1.00	1.11	111	1.00	1.11	111	0	62-124	25	
o-Xylene	<0.00135	0.500	0.548	110	0.500	0.553	111	1	62-124	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Work Order No: 656425

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com

Project Manager:	David Adkins	Bill to: (if different)	PLAINS ALL AMERICAN PIPELINE
Company Name:	Talon	Company Name:	ATTN: CAMILLE BRYANT
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575-616-4022 or 575-746-8905	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	MOORE TO JAL #1 (MTJ1)	Turn Around	
Project Number:	700376.044.04	Routine	☒
P.O. Number:	2002-102TO	Rush:	
Sampler's Name:	MICHAEL COLLIER	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	1.4	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	74

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	PAH
MW-17	GW	3-17-20	9:30am	N/A	3	✓	
MW-21			10am				
MW-22			11:00am				
MW-23			12:15pm				
MW-26		3-17-20	1:10pm				
MW-40		3-18-20	11:00am		3		
MW-38			11:40am		5	✓	✓
MW-37			12:40pm			✓	✓
MW-28		3-18-20	1:40			✓	✓
MW-29	GW	3-19-20	9:35am	N/A	5	✓	✓

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

EMAIL ANALYTICALS TO CAMILLE BRYANT

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/20/20 1352	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: 605425

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	David Adkins	Bill to: (if different)	PLAINS ALL AMERICAN PIPELINE
Company Name:	Talon	Company Name:	ATTN: CAMILLE BRYANT
Address:	408 W. Texas Ave.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575-616-4022 or 575-746-8905	Email:	dadkins@talonlpe.com

Work Order Comments

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

Project Name:	MOORE TO JAL #1 (MTJ1)	Turn Around	
Project Number:	703736.044.04	Routine	☒
P.O. Number:	2002-10270	Rush:	
Sampler's Name:	MICHAEL COLLIER	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	PAH
MW-14	GW	3-19-20	10:40am	N/A	3	✓	
MW-19			11:20am		3	✓	
MW-20			15:55		3	✓	
MW-27			12:55pm		5	✓	✓
MW-39			1:40pm		3	✓	
MW-13		3-19-20	2:50pm			✓	
MW-41		3-20-20	8:55am			✓	
MW-36			9:35am		3	✓	
MW-35			10:20am		5	✓	✓
MW-34	GW	3-20-20	11:10	N/A	5	✓	✓

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

EMAIL ANALYTICALS TO CAMILLE BRYANT

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/20/20 1352	2		
3			4		
5			6		

Inter-Office Shipment

IOS Number : 60710

Date/Time:	03.20.2020	Created by:	Elizabeth Mcclellan	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Lubbock**	Air Bill No.:		E-Mail:	jessica.kramer@xenco.com

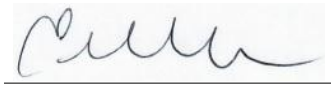
Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
656425-001	W	MW-17	03.17.2020 09:30	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-002	W	MW-21	03.17.2020 10:00	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-003	W	MW-22	03.17.2020 11:00	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-004	W	MW-23	03.17.2020 12:15	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-005	W	MW-26	03.17.2020 13:10	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-006	W	MW-40	03.18.2020 11:00	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-007	W	MW-38	03.18.2020 11:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-008	W	MW-37	03.18.2020 12:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-009	W	MW-28	03.18.2020 13:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-010	W	MW-29	03.19.2020 09:35	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-011	W	MW-14	03.19.2020 10:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-012	W	MW-19	03.19.2020 11:20	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-013	W	MW-20	03.19.2020 11:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-014	W	MW-27	03.19.2020 12:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-015	W	MW-39	03.19.2020 13:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-016	W	MW-13	03.19.2020 14:50	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-017	W	MW-41	03.20.2020 08:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-018	W	MW-36	03.20.2020 09:35	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-019	W	MW-35	03.20.2020 10:20	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-020	W	MW-34	03.20.2020 11:10	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter-Office Shipment

IOS Number : 60710

Date/Time:	03.20.2020	Created by:	Elizabeth Mcclellan	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Lubbock**	Air Bill No.:		E-Mail:	jessica.kramer@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By: 

Elizabeth McClellan

Date Relinquished: 03.20.2020

Received By: _____

Date Received: _____

Cooler Temperature: _____

Inter-Office Shipment

IOS Number : 60711

Date/Time:	03.20.2020	Created by:	Elizabeth Mcclellan	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Houston**	Air Bill No.:	770074600725	E-Mail:	jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
656425-007	W	MW-38	03.18.2020 11:40	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	**03.25.2020 11:40**	JKR	ACNP ACNPY ANTH BZ	
656425-008	W	MW-37	03.18.2020 12:40	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	**03.25.2020 12:40**	JKR	ACNP ACNPY ANTH BZ	
656425-009	W	MW-28	03.18.2020 13:40	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	**03.25.2020 13:40**	JKR	ACNP ACNPY ANTH BZ	
656425-010	W	MW-29	03.19.2020 09:35	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	**03.26.2020 09:35**	JKR	ACNP ACNPY ANTH BZ	
656425-014	W	MW-27	03.19.2020 12:55	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	**03.26.2020 12:55**	JKR	ACNP ACNPY ANTH BZ	
656425-019	W	MW-35	03.20.2020 10:20	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	03.27.2020	JKR	ACNP ACNPY ANTH BZ	
656425-020	W	MW-34	03.20.2020 11:10	SW8270D_SIM_PAH	PAHs by SW846 8270D SIM	03.26.2020	03.27.2020	JKR	ACNP ACNPY ANTH BZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 03.20.2020

Received By: Jose Londono

Date Received: 03.21.2020

Cooler Temperature: 3.5

Inter-Office Shipment

IOS Number : 60748

Date/Time: 03.23.2020
Lab# From: **Carlsbad**
Lab# To: **Lubbock**

Created by: Elizabeth Mcclellan
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
656425-001	W	MW-17	03.17.2020 09:30	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-002	W	MW-21	03.17.2020 10:00	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-003	W	MW-22	03.17.2020 11:00	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-004	W	MW-23	03.17.2020 12:15	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-005	W	MW-26	03.17.2020 13:10	SW8021B	BTEX by EPA 8021	03.26.2020	03.31.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-006	W	MW-40	03.18.2020 11:00	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-007	W	MW-38	03.18.2020 11:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-008	W	MW-37	03.18.2020 12:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-009	W	MW-28	03.18.2020 13:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.01.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-010	W	MW-29	03.19.2020 09:35	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-011	W	MW-14	03.19.2020 10:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-012	W	MW-19	03.19.2020 11:20	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-013	W	MW-20	03.19.2020 11:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-014	W	MW-27	03.19.2020 12:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-015	W	MW-39	03.19.2020 13:40	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-016	W	MW-13	03.19.2020 14:50	SW8021B	BTEX by EPA 8021	03.26.2020	04.02.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-017	W	MW-41	03.20.2020 08:55	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-018	W	MW-36	03.20.2020 09:35	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-019	W	MW-35	03.20.2020 10:20	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	
656425-020	W	MW-34	03.20.2020 11:10	SW8021B	BTEX by EPA 8021	03.26.2020	04.03.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter-Office Shipment

IOS Number : 60748

Date/Time:	03.23.2020	Created by:	Elizabeth Mcclellan	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Lubbock**	Air Bill No.:		E-Mail:	jessica.kramer@xenco.com

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 03.23.2020

Received By: Brenda Ward

Date Received: 03.24.2020

Cooler Temperature: 2.3

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 60711

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : HOU-068

Sent By: Elizabeth McClellan **Date Sent:** 03.20.2020 03.14 PM

Received By: Jose Londono **Date Received:** 03.21.2020 12.29 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jose F. Londono Date: 03.21.2020

Jose Londono

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Lubbock

IOS #: 60748

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-4

Sent By: Elizabeth McClellan **Date Sent:** 03.23.2020 11.20 AM

Received By: Brenda Ward **Date Received:** 03.24.2020 05.39 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Brenda Ward Date: 03.24.2020

Brenda Ward

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 03/20/2020 01:52:00 PM

Work Order #: 656425

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	BTEX subbed to Lubbock and PAH subbed to Stafford
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03/20/2020

Checklist reviewed by: Jessica Kramer Date: 03/20/2020

Jessica Kramer

Analytical Report 665298

for

Talon LPE-Artesia

Project Manager: David Adkins

Plains MTJ1

700376 044 04

06.30.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

06.30.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: XENCO Report No(s): **665298**
Plains MTJ1
Project Address: Lovington, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 665298. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 665298 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 665298

Talon LPE-Artesia, Artesia, NM

Plains MTJ1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 41	W	06.22.2020 13:20		665298-001
MW 36	W	06.22.2020 12:45		665298-002
MW 35	W	06.22.2020 11:45		665298-003
MW 34	W	06.22.2020 10:30		665298-004
MW 21	W	06.18.2020 14:00		665298-005
MW 17	W	06.18.2020 13:15		665298-006
MW 22	W	06.18.2020 14:45		665298-007
MW 23	W	06.19.2020 10:45		665298-008
MW 26	W	06.19.2020 11:45		665298-009
MW 19	W	06.19.2020 12:30		665298-010
MW 20	W	06.19.2020 13:00		665298-011
MW 27	W	06.22.2020 09:25		665298-012
MW 14	W	06.19.2020 14:10		665298-013
MW 28	W	06.19.2020 15:00		665298-014
MW 40	W	06.22.2020 11:25		665298-015
MW 38	W	06.22.2020 12:20		665298-016
MW 29	W	06.22.2020 15:30		665298-017
MW 39	W	06.23.2020 11:20		665298-018
MW 37	W	06.22.2020 10:05		665298-019

CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Plains MTJ1

Project ID:	*700376 044 04*	Report Date:	*06.30.2020*
Work Order Number(s):	*665298*	Date Received:	*06.23.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3130196 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 665298-015.

Certificate of Analytical Results
665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 41** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-001 Date Collected: 06.22.2020 13:20 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 06:41	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 06:41	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 06:41	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 06:41	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 06:41	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 06:41	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 06:41	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Sample Id: **MW 36** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-002 Date Collected: 06.22.2020 12:45 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 07:02	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 07:02	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 07:02	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 07:02	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 07:02	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 07:02	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 07:02	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

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665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 35** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-003 Date Collected: 06.22.2020 11:45 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 07:22	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 07:22	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 07:22	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 07:22	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 07:22	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 07:22	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 07:22	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	93	70 - 130	%		

Sample Id: **MW 34** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-004 Date Collected: 06.22.2020 10:30 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 07:42	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 07:42	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 07:42	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 07:42	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 07:42	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 07:42	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 07:42	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

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665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 21** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-005 Date Collected: 06.18.2020 14:00 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 08:02	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 08:02	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 08:02	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 08:02	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 08:02	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 08:02	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 08:02	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Sample Id: **MW 17** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-006 Date Collected: 06.18.2020 13:15 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 08:23	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 08:23	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 08:23	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 08:23	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 08:23	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 08:23	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 08:23	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	104	70 - 130	%		

Certificate of Analytical Results
665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 22** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-007 Date Collected: 06.18.2020 14:45 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 08:43	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 08:43	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 08:43	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 08:43	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 08:43	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 08:43	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 08:43	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Sample Id: **MW 23** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-008 Date Collected: 06.19.2020 10:45 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 09:03	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 09:03	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 09:03	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 09:03	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 09:03	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 09:03	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 09:03	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

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665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 26** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-009 Date Collected: 06.19.2020 11:45 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000410**	0.00200	0.000408	mg/L	06.27.2020 09:24	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 09:24	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 09:24	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 09:24	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 09:24	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 09:24	U	
Total BTEX		**0.000410**		0.000367	mg/L	06.27.2020 09:24	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Sample Id: **MW 19** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-010 Date Collected: 06.19.2020 12:30 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 10:46	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 10:46	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 10:46	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 10:46	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 10:46	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 10:46	U	
Total BTEX		<0.000367		0.000367	mg/L	06.27.2020 10:46	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	97	70 - 130	%		

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665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 20** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-011 Date Collected: 06.19.2020 13:00 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000920**	0.00200	0.000408	mg/L	06.27.2020 11:06	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 11:06	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 11:06	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 11:06	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 11:06	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 11:06	U	
Total BTEX		**0.000920**		0.000367	mg/L	06.27.2020 11:06	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

Sample Id: **MW 27** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-012 Date Collected: 06.22.2020 09:25 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00119**	0.00200	0.000408	mg/L	06.27.2020 11:27	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 11:27	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 11:27	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 11:27	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 11:27	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 11:27	U	
Total BTEX		**0.00119**		0.000367	mg/L	06.27.2020 11:27	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	95	70 - 130	%		

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665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 14** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-013 Date Collected: 06.19.2020 14:10 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0671**	0.00200	0.000408	mg/L	06.27.2020 11:47		1
Toluene	108-88-3	**0.000540**	0.00200	0.000367	mg/L	06.27.2020 11:47	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 11:47	U	1
m_p-Xylenes	179601-23-1	**0.000900**	0.00400	0.000630	mg/L	06.27.2020 11:47	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 11:47	U	1
Xylenes, Total	1330-20-7	**0.000900**		0.000630	mg/L	06.27.2020 11:47	J	
Total BTEX		**0.0685**		0.000367	mg/L	06.27.2020 11:47		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	97	70 - 130	%		

Sample Id: **MW 28** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-014 Date Collected: 06.19.2020 15:00 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00312**	0.00200	0.000408	mg/L	06.27.2020 12:07		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 12:07	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 12:07	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 12:07	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 12:07	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 12:07	U	
Total BTEX		**0.00312**		0.000367	mg/L	06.27.2020 12:07		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	97	70 - 130	%		

Certificate of Analytical Results
665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 40** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-015 Date Collected: 06.22.2020 11:25 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**9.71**	0.200	0.0408	mg/L	06.30.2020 12:37	D	100
Toluene	108-88-3	**0.00995**	0.00200	0.000367	mg/L	06.27.2020 13:49		1
Ethylbenzene	100-41-4	**0.0575**	0.00200	0.000657	mg/L	06.27.2020 13:49		1
m_p-Xylenes	179601-23-1	**0.0648**	0.00400	0.000630	mg/L	06.27.2020 13:49		1
o-Xylene	95-47-6	**0.00756**	0.00200	0.000642	mg/L	06.27.2020 13:49		1
Xylenes, Total	1330-20-7	**0.0724**		0.000630	mg/L	06.27.2020 13:49		
Total BTEX		**9.85**		0.000367	mg/L	06.30.2020 12:37		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	242	70 - 130	%		**
4-Bromofluorobenzene	110	70 - 130	%		

Sample Id: **MW 38** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-016 Date Collected: 06.22.2020 12:20 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.358**	0.00200	0.000408	mg/L	06.27.2020 12:28		1
Toluene	108-88-3	**0.00105**	0.00200	0.000367	mg/L	06.27.2020 12:28	J	1
Ethylbenzene	100-41-4	**0.00387**	0.00200	0.000657	mg/L	06.27.2020 12:28		1
m_p-Xylenes	179601-23-1	**0.00372**	0.00400	0.000630	mg/L	06.27.2020 12:28	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 12:28	U	1
Xylenes, Total	1330-20-7	**0.00372**		0.000630	mg/L	06.27.2020 12:28		
Total BTEX		**0.367**		0.000367	mg/L	06.27.2020 12:28		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	113	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

Certificate of Analytical Results
665298
Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **MW 29** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-017 Date Collected: 06.22.2020 15:30 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0527**	0.00200	0.000408	mg/L	06.27.2020 12:48		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 12:48	U	1
Ethylbenzene	100-41-4	**0.00181**	0.00200	0.000657	mg/L	06.27.2020 12:48	J	1
m_p-Xylenes	179601-23-1	**0.00138**	0.00400	0.000630	mg/L	06.27.2020 12:48	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 12:48	U	1
Xylenes, Total	1330-20-7	**0.00138**		0.000630	mg/L	06.27.2020 12:48	J	
Total BTEX		**0.0559**		0.000367	mg/L	06.27.2020 12:48		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

Sample Id: **MW 39** Matrix: Ground Water Sample Depth:

Lab Sample Id: 665298-018 Date Collected: 06.23.2020 11:20 Date Received: 06.23.2020 15:35

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0495**	0.00200	0.000408	mg/L	06.27.2020 13:09		1
Toluene	108-88-3	**0.000720**	0.00200	0.000367	mg/L	06.27.2020 13:09	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 13:09	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 13:09	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 13:09	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 13:09	U	
Total BTEX		**0.0502**		0.000367	mg/L	06.27.2020 13:09		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Certificate of Analytical Results
665298

Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id:	**MW 37**	Matrix:	Ground Water	Sample Depth:	
Lab Sample Id:	665298-019	Date Collected:	06.22.2020 10:05	Date Received:	06.23.2020 15:35
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	AMF	% Moist:		Tech:	AMF
Seq Number:	3130196	Date Prep:	06.26.2020 13:00		
Subcontractor:	SUB: T104704400-19-19	Prep seq:	7706333		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00165**	0.00200	0.000408	mg/L	06.27.2020 13:29	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 13:29	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 13:29	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 13:29	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 13:29	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	06.27.2020 13:29	U	
Total BTEX		**0.00165**		0.000367	mg/L	06.27.2020 13:29	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	102	70 - 130	%		

Certificate of Analytical Results
665298

Talon LPE-Artesia, Artesia, NM
Plains MTJ1

Sample Id: **7706333-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7706333-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: AMF % Moist: Tech: AMF

Seq Number: 3130196 Date Prep: 06.26.2020 13:00

Subcontractor: SUB: T104704400-19-19 Prep seq: 7706333

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	06.27.2020 06:01	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	06.27.2020 06:01	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	06.27.2020 06:01	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	06.27.2020 06:01	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	06.27.2020 06:01	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	92	70 - 130	%		

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Form 2 - Surrogate Recoveries

Project Name: Plains MTJ1

Work Orders : 665298 **Project ID:** 700376 044 04

Lab Batch #: 3130196 **Sample:** 7706333-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 06.27.2020 04:00 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	70-130	
4-Bromofluorobenzene	0.0295	0.0300	98	70-130	

Lab Batch #: 3130196 **Sample:** 7706333-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 06.27.2020 04:20 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0289	0.0300	96	70-130	

Lab Batch #: 3130196 **Sample:** 665298-001 S / MS **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 06.27.2020 04:40 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0300	0.0300	100	70-130	
4-Bromofluorobenzene	0.0286	0.0300	95	70-130	

Lab Batch #: 3130196 **Sample:** 665298-001 SD / MSD **Batch:** 1 **Matrix:** Ground Water

Units: mg/L **Date Analyzed:** 06.27.2020 05:00 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	70-130	
4-Bromofluorobenzene	0.0291	0.0300	97	70-130	

Lab Batch #: 3130196 **Sample:** 7706333-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 06.27.2020 06:01 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0295	0.0300	98	70-130	
4-Bromofluorobenzene	0.0276	0.0300	92	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Plains MTJ1

Work Order #: 665298 **Project ID:** 700376 044 04

Analyst: AMF **Date Prepared:** 06.26.2020 **Date Analyzed:** 06.27.2020

Lab Batch ID: 3130196 **Sample:** 7706333-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.0880	88	0.100	0.0837	84	5	70-130	25	
Toluene	<0.000367	0.100	0.0852	85	0.100	0.0818	82	4	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0916	92	0.100	0.0868	87	5	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.180	90	0.200	0.171	86	5	70-130	25	
o-Xylene	<0.000642	0.100	0.0943	94	0.100	0.0903	90	4	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Plains MTJ1

Work Order # : 665298 **Project ID:** 700376 044 04

Lab Batch ID: 3130196 **QC- Sample ID:** 665298-001 S **Batch #:** 1 **Matrix:** Ground Water

Date Analyzed: 06.27.2020 **Date Prepared:** 06.26.2020 **Analyst:** AMF

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.0914	91	0.100	0.0877	88	4	70-130	25	
Toluene	<0.000367	0.100	0.0875	88	0.100	0.0861	86	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0933	93	0.100	0.0904	90	3	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.184	92	0.200	0.177	89	4	70-130	25	
o-Xylene	<0.000642	0.100	0.0955	96	0.100	0.0924	92	3	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 665298

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Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS ALL AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 W TEXAS	Address:	ATN CAMILLE BRYANT
City, State ZIP:	ARTESIA NEW MEXICO 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:	PLAINS MJ51	Turn Around	
Project Number:	700376 044 04	Routine	☒
Project Location	LOVINGTON NEW MEXICO	Rush:	
Sampler's Name:	BILL RIGGS	Due Date:	
PO #:	SRS # 2002-10270	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	1.6 / 1.4	Thermometer ID	TNM007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	57

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX
	MW41	GW	6-22-2020	1:20 PM		3		X
	MW36		6-22-2020	12:45PM		3		X
	MW35		6-22-2020	11:45AM		3		X
	MW34		6-22-2020	10:30AM		3		X
	MW21		6-18-2020	2:00 pm		3		X
	MW17		6-18-2020	1:15pm		3		X
	MW22		6-18-2020	2:45pm		3		X
	MW23		6-19-2020	10:45AM		3		X
	MW26		6-19-2020	11:45AM		3		X
	MW19	GW	6-19-2020	12:30 PM		3		X

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

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 SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
Bill Riggs		6/23/20 15:35	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 666298

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Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS ALL AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 WEST TEXAS	Address:	ATTN: CAMILLE BRYANT
City, State ZIP:	ARTESIA NEW MEXICO 88210	City, State ZIP:	SRS # 2002-10270
Phone:	575 441 4535	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:	PLAINS MTJ 1	Turn Around	
Project Number:	700326.044.04	Routine	☒
P.O. Number:	SRS # 2002-10270	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.6 / 1.4	Thermometer ID	IR1	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX
MW20	GW	6-19-2020	1:00 pm		3	X
MW27		6-22-2020	9:25AM		3	X
MW14		6-19-20	2:10 PM		3	X
MW28		6-19-2020	3:00 PM		3	X
MW40		6-22-2020	11:25AM		3	X
MW38		6-22-2020	12:20pm		3	X
MW29		6-22-2020	3:30 pm		3	X
MW39	GW	6-23-2020	11:20AM		3	X
MW37	GW	6-22-20	10:05AM		3	X

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

EMAIL ANALYTICALS TO: CAMILLE BRYANT

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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	Bill Riggs		6/23/20 15:35	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

Inter-Office Shipment

IOS Number : 65932

Date/Time: 06.24.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**
Created by: Elizabeth Mcclellan
Delivery Priority:
Air Bill No.: 770792023235
Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
665298-001	W	MW 41	06.22.2020 13:20	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-002	W	MW 36	06.22.2020 12:45	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-003	W	MW 35	06.22.2020 11:45	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-004	W	MW 34	06.22.2020 10:30	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-005	W	MW 21	06.18.2020 14:00	SW8021B	BTEX by EPA 8021	06.29.2020	07.02.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-006	W	MW 17	06.18.2020 13:15	SW8021B	BTEX by EPA 8021	06.29.2020	07.02.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-007	W	MW 22	06.18.2020 14:45	SW8021B	BTEX by EPA 8021	06.29.2020	07.02.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-008	W	MW 23	06.19.2020 10:45	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-009	W	MW 26	06.19.2020 11:45	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-010	W	MW 19	06.19.2020 12:30	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-011	W	MW 20	06.19.2020 13:00	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-012	W	MW 27	06.22.2020 09:25	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-013	W	MW 14	06.19.2020 14:10	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-014	W	MW 28	06.19.2020 15:00	SW8021B	BTEX by EPA 8021	06.29.2020	07.03.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-015	W	MW 40	06.22.2020 11:25	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-016	W	MW 38	06.22.2020 12:20	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-017	W	MW 29	06.22.2020 15:30	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-018	W	MW 39	06.23.2020 11:20	SW8021B	BTEX by EPA 8021	06.29.2020	07.07.2020	JKR	BR4FBZ BZ BZME EBZ	
665298-019	W	MW 37	06.22.2020 10:05	SW8021B	BTEX by EPA 8021	06.29.2020	07.06.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan
Date Relinquished: 06.24.2020

Received By: Brianna Teel
Date Received: 06.25.2020
Cooler Temperature: 0.5

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 65932

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-8

Sent By: Elizabeth McClellan **Date Sent:** 06.24.2020 11.27 AM

Received By: Brianna Teel **Date Received:** 06.25.2020 12.34 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Brianna Teel Date: 06.25.2020

Brianna Teel

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 06.23.2020 03.35.00 PM

Work Order #: 665298

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.4	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Subbed to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 06.24.2020

Checklist reviewed by: Jessica Kramer Date: 06.25.2020

Jessica Kramer

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Analytical Report 672943

for

Talon LPE-Artesia

Project Manager: David Adkins

Plains MTJI

70037604404

09.23.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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09.23.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **672943**
Plains MTJI
Project Address: Hobbs, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 672943. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 672943 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 672943

Talon LPE-Artesia, Artesia, NM

Plains MTJI

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 17	W	09.14.2020 11:30		672943-001
MW 21	W	09.14.2020 12:30		672943-002
MW 22	W	09.14.2020 11:50		672943-003
MW 23	W	09.14.2020 14:00		672943-004
MW 26	W	09.14.2020 15:15		672943-005
MW 27	W	09.15.2020 10:40		672943-006
MW 14	W	09.15.2020 11:30		672943-007
MW 28	W	09.15.2020 12:15		672943-008
MW 37	W	09.15.2020 12:45		672943-009
MW 40	W	09.15.2020 13:45		672943-010
MW 38	W	09.15.2020 14:15		672943-011
MW 29	W	09.15.2020 15:15		672943-012
MW 34	W	09.16.2020 09:45		672943-013
MW 35	W	09.16.2020 10:45		672943-014
MW 36	W	09.16.2020 11:50		672943-015
MW 41	W	09.16.2020 12:30		672943-016
MW 39	W	09.16.2020 13:10		672943-017
MW 13	W	09.17.2020 12:30		672943-018

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CASE NARRATIVE

Client Name: Talon LPE-Artesia

Project Name: Plains MTJI

Project ID:	*70037604404*	Report Date:	*09.23.2020*
Work Order Number(s):	*672943*	Date Received:	*09.17.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3137736 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 672943-018,672943-010.

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Certificate of Analytical Results
672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 17** Matrix: Water Sample Depth:

Lab Sample Id: 672943-001 Date Collected: 09.14.2020 11:30 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00360**	0.00200	0.000408	mg/L	09.21.2020 11:54		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 11:54	U	1
Ethylbenzene	100-41-4	**0.00166**	0.00200	0.000657	mg/L	09.21.2020 11:54	J	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 11:54	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 11:54	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 11:54	U	
Total BTEX		**0.00526**		0.000367	mg/L	09.21.2020 11:54		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	90	70 - 130	%		
4-Bromofluorobenzene	115	70 - 130	%		

Sample Id: **MW 21** Matrix: Water Sample Depth:

Lab Sample Id: 672943-002 Date Collected: 09.14.2020 12:30 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00117**	0.00200	0.000408	mg/L	09.21.2020 12:14	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 12:14	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 12:14	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 12:14	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 12:14	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 12:14	U	
Total BTEX		**0.00117**		0.000367	mg/L	09.21.2020 12:14	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 22** Matrix: Water Sample Depth:

Lab Sample Id: 672943-003 Date Collected: 09.14.2020 11:50 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00166**	0.00200	0.000408	mg/L	09.21.2020 12:35	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 12:35	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 12:35	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 12:35	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 12:35	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 12:35	U	
Total BTEX		**0.00166**		0.000367	mg/L	09.21.2020 12:35	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	93	70 - 130	%		
4-Bromofluorobenzene	103	70 - 130	%		

Sample Id: **MW 23** Matrix: Water Sample Depth:

Lab Sample Id: 672943-004 Date Collected: 09.14.2020 14:00 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00177**	0.00200	0.000408	mg/L	09.21.2020 12:56	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 12:56	U	1
Ethylbenzene	100-41-4	**0.000740**	0.00200	0.000657	mg/L	09.21.2020 12:56	J	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 12:56	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 12:56	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 12:56	U	
Total BTEX		**0.00251**		0.000367	mg/L	09.21.2020 12:56		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	105	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 26** Matrix: Water Sample Depth:

Lab Sample Id: 672943-005 Date Collected: 09.14.2020 15:15 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000860**	0.00200	0.000408	mg/L	09.21.2020 13:17	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 13:17	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 13:17	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 13:17	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 13:17	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 13:17	U	
Total BTEX		**0.000860**		0.000367	mg/L	09.21.2020 13:17	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	92	70 - 130	%		
4-Bromofluorobenzene	106	70 - 130	%		

Sample Id: **MW 27** Matrix: Water Sample Depth:

Lab Sample Id: 672943-006 Date Collected: 09.15.2020 10:40 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00172**	0.00200	0.000408	mg/L	09.21.2020 13:37	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 13:37	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 13:37	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 13:37	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 13:37	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 13:37	U	
Total BTEX		**0.00172**		0.000367	mg/L	09.21.2020 13:37	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	117	70 - 130	%		

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Certificate of Analytical Results
672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 14** Matrix: Water Sample Depth:

Lab Sample Id: 672943-007 Date Collected: 09.15.2020 11:30 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0861**	0.00200	0.000408	mg/L	09.21.2020 13:58		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 13:58	U	1
Ethylbenzene	100-41-4	**0.00182**	0.00200	0.000657	mg/L	09.21.2020 13:58	J	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 13:58	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 13:58	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 13:58	U	
Total BTEX		**0.0879**		0.000367	mg/L	09.21.2020 13:58		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	105	70 - 130	%		
4-Bromofluorobenzene	122	70 - 130	%		

Sample Id: **MW 28** Matrix: Water Sample Depth:

Lab Sample Id: 672943-008 Date Collected: 09.15.2020 12:15 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00365**	0.00200	0.000408	mg/L	09.21.2020 14:19		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 14:19	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 14:19	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 14:19	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 14:19	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 14:19	U	
Total BTEX		**0.00365**		0.000367	mg/L	09.21.2020 14:19		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	123	70 - 130	%		

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Certificate of Analytical Results
672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 37** Matrix: Water Sample Depth:

Lab Sample Id: 672943-009 Date Collected: 09.15.2020 12:45 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00170**	0.00200	0.000408	mg/L	09.21.2020 14:39	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 14:39	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 14:39	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 14:39	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 14:39	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 14:39	U	
Total BTEX		**0.00170**		0.000367	mg/L	09.21.2020 14:39	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	118	70 - 130	%		

Sample Id: **MW 40** Matrix: Water Sample Depth:

Lab Sample Id: 672943-010 Date Collected: 09.15.2020 13:45 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**16.6**	0.200	0.0408	mg/L	09.20.2020 14:29	D	100
Toluene	108-88-3	**0.00513**	0.00200	0.000367	mg/L	09.21.2020 19:07		1
Ethylbenzene	100-41-4	**0.0606**	0.00200	0.000657	mg/L	09.21.2020 19:07		1
m_p-Xylenes	179601-23-1	**0.0656**	0.00400	0.000630	mg/L	09.21.2020 19:07		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 19:07	U	1
Xylenes, Total	1330-20-7	**0.0656**		0.000630	mg/L	09.21.2020 19:07		
Total BTEX		**16.7**		0.000367	mg/L	09.20.2020 14:29		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	193	70 - 130	%		**
4-Bromofluorobenzene	101	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 38** Matrix: Water Sample Depth:

Lab Sample Id: 672943-011 Date Collected: 09.15.2020 14:15 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.209**	0.00200	0.000408	mg/L	09.21.2020 15:00		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 15:00	U	1
Ethylbenzene	100-41-4	**0.00584**	0.00200	0.000657	mg/L	09.21.2020 15:00		1
m_p-Xylenes	179601-23-1	**0.00562**	0.00400	0.000630	mg/L	09.21.2020 15:00		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 15:00	U	1
Xylenes, Total	1330-20-7	**0.00562**		0.000630	mg/L	09.21.2020 15:00		
Total BTEX		**0.220**		0.000367	mg/L	09.21.2020 15:00		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	121	70 - 130	%		

Sample Id: **MW 29** Matrix: Water Sample Depth:

Lab Sample Id: 672943-012 Date Collected: 09.15.2020 15:15 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.175**	0.00200	0.000408	mg/L	09.21.2020 16:42		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 16:42	U	1
Ethylbenzene	100-41-4	**0.00501**	0.00200	0.000657	mg/L	09.21.2020 16:42		1
m_p-Xylenes	179601-23-1	**0.00417**	0.00400	0.000630	mg/L	09.21.2020 16:42		1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 16:42	U	1
Xylenes, Total	1330-20-7	**0.00417**		0.000630	mg/L	09.21.2020 16:42		
Total BTEX		**0.184**		0.000367	mg/L	09.21.2020 16:42		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 34** Matrix: Water Sample Depth:

Lab Sample Id: 672943-013 Date Collected: 09.16.2020 09:45 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0341**	0.00200	0.000408	mg/L	09.21.2020 17:03		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 17:03	U	1
Ethylbenzene	100-41-4	**0.00155**	0.00200	0.000657	mg/L	09.21.2020 17:03	J	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 17:03	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 17:03	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 17:03	U	
Total BTEX		**0.0357**		0.000367	mg/L	09.21.2020 17:03		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

Sample Id: **MW 35** Matrix: Water Sample Depth:

Lab Sample Id: 672943-014 Date Collected: 09.16.2020 10:45 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0168**	0.00200	0.000408	mg/L	09.21.2020 17:23		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 17:23	U	1
Ethylbenzene	100-41-4	**0.00189**	0.00200	0.000657	mg/L	09.21.2020 17:23	J	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 17:23	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 17:23	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 17:23	U	
Total BTEX		**0.0187**		0.000367	mg/L	09.21.2020 17:23		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	106	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 36** Matrix: Water Sample Depth:

Lab Sample Id: 672943-015 Date Collected: 09.16.2020 11:50 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0104**	0.00200	0.000408	mg/L	09.21.2020 17:44		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 17:44	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 17:44	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 17:44	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 17:44	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 17:44	U	
Total BTEX		**0.0104**		0.000367	mg/L	09.21.2020 17:44		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	92	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

Sample Id: **MW 41** Matrix: Water Sample Depth:

Lab Sample Id: 672943-016 Date Collected: 09.16.2020 12:30 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00943**	0.00200	0.000408	mg/L	09.21.2020 18:05		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 18:05	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 18:05	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 18:05	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 18:05	U	1
Xylenes, Total	1330-20-7	<0.000630		0.000630	mg/L	09.21.2020 18:05	U	
Total BTEX		**0.00943**		0.000367	mg/L	09.21.2020 18:05		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	95	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

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672943
Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id: **MW 39** Matrix: Water Sample Depth:

Lab Sample Id: 672943-017 Date Collected: 09.16.2020 13:10 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.233**	0.00200	0.000408	mg/L	09.21.2020 18:26		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 18:26	U	1
Ethylbenzene	100-41-4	**0.00147**	0.00200	0.000657	mg/L	09.21.2020 18:26	J	1
m_p-Xylenes	179601-23-1	**0.00226**	0.00400	0.000630	mg/L	09.21.2020 18:26	J	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 18:26	U	1
Xylenes, Total	1330-20-7	**0.00226**		0.000630	mg/L	09.21.2020 18:26		
Total BTEX		**0.237**		0.000367	mg/L	09.21.2020 18:26		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

Sample Id: **MW 13** Matrix: Water Sample Depth:

Lab Sample Id: 672943-018 Date Collected: 09.17.2020 12:30 Date Received: 09.17.2020 15:40

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist: Tech: KTL

Seq Number: 3137736 Date Prep: 09.21.2020 09:00

Subcontractor: SUB: T104704400-20-21 Prep seq: 7711672

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**4.15**	0.200	0.0408	mg/L	09.20.2020 14:50	D	100
Toluene	108-88-3	**0.00691**	0.00200	0.000367	mg/L	09.21.2020 19:28		1
Ethylbenzene	100-41-4	**0.0347**	0.00200	0.000657	mg/L	09.21.2020 19:28		1
m_p-Xylenes	179601-23-1	**0.0178**	0.00400	0.000630	mg/L	09.21.2020 19:28		1
o-Xylene	95-47-6	**0.0167**	0.00200	0.000642	mg/L	09.21.2020 19:28		1
Xylenes, Total	1330-20-7	**0.0345**		0.000630	mg/L	09.21.2020 19:28		
Total BTEX		**4.23**		0.000367	mg/L	09.20.2020 14:50		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	136	70 - 130	%		**
4-Bromofluorobenzene	88	70 - 130	%		

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Certificate of Analytical Results
672943

Talon LPE-Artesia, Artesia, NM
Plains MTJI

Sample Id:	**7711672-1-BLK**	Matrix:	Water	Sample Depth:	
Lab Sample Id:	7711672-1-BLK	Date Collected:		Date Received:	
Analytical Method:	BTEX by EPA 8021			Prep Method:	5030B
Analyst:	KTL	% Moist:		Tech:	KTL
Seq Number:	3137736	Date Prep:	09.21.2020 09:00		
Subcontractor:	SUB: T104704400-20-21	Prep seq:	7711672		

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	09.21.2020 11:29	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	09.21.2020 11:29	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	09.21.2020 11:29	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	09.21.2020 11:29	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	09.21.2020 11:29	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	85	70 - 130	%		
4-Bromofluorobenzene	98	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Plains MTJI

Report Date: 09232020

Work Orders : 672943

Project ID: 70037604404

Lab Batch #: 3137736 **Sample:** 7711672-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.21.2020 09:22 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0302	0.0300	101	70-130	
4-Bromofluorobenzene	0.0345	0.0300	115	70-130	

Lab Batch #: 3137736 **Sample:** 7711672-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.21.2020 09:43 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0299	0.0300	100	70-130	
4-Bromofluorobenzene	0.0357	0.0300	119	70-130	

Lab Batch #: 3137736 **Sample:** 672943-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.21.2020 10:04 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0301	0.0300	100	70-130	
4-Bromofluorobenzene	0.0349	0.0300	116	70-130	

Lab Batch #: 3137736 **Sample:** 672943-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.21.2020 10:25 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	70-130	
4-Bromofluorobenzene	0.0355	0.0300	118	70-130	

Lab Batch #: 3137736 **Sample:** 7711672-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 09.21.2020 11:29 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0255	0.0300	85	70-130	
4-Bromofluorobenzene	0.0295	0.0300	98	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Plains MTJI

Work Order #: 672943 **Project ID:** 70037604404

Analyst: KTL **Date Prepared:** 09.21.2020 **Date Analyzed:** 09.21.2020

Lab Batch ID: 3137736 **Sample:** 7711672-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.102	102	0.100	0.110	110	8	70-130	25	
Toluene	<0.000367	0.100	0.108	108	0.100	0.116	116	7	70-130	25	
Ethylbenzene	<0.000657	0.100	0.106	106	0.100	0.113	113	6	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.226	113	0.200	0.242	121	7	70-130	25	
o-Xylene	<0.000642	0.100	0.112	112	0.100	0.123	123	9	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Plains MTJI

Report Date: 09232020
Project ID: 70037604404

Work Order # : 672943
Lab Batch ID: 3137736
QC- Sample ID: 672943-001 S
Batch #: 1
Matrix: Water
Date Analyzed: 09.21.2020
Date Prepared: 09.21.2020
Analyst: KTL
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	0.00360	0.100	0.118	114	0.100	0.116	112	2	70-130	25	
Toluene	<0.000367	0.100	0.123	123	0.100	0.119	119	3	70-130	25	
Ethylbenzene	0.00166	0.100	0.122	120	0.100	0.118	116	3	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.257	129	0.200	0.250	125	3	70-130	25	
o-Xylene	<0.000642	0.100	0.128	128	0.100	0.124	124	3	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Work Order No: 672943

Project Manager:	DAVID ADKINS	Bill to: (if different)	PLAINS All AMERICAN
Company Name:	TALON LPE	Company Name:	PIPELINE
Address:	408 TEXAS	Address:	ATTN:
City, State ZIP:	ARTESIA NM 88210	City, State ZIP:	CAMILLE BRYANT
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:	PLAINS MTJ1	Turn Around	
Project Number:	700376 04404	Routine	☒
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	SRS # 2002-70270	Quote #:	

SAMPLE RECEIPT					
Temperature (°C):	2.0/1.8	Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID		TNM007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:		-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:		54	

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	Sample Comments
	MW 17	GW	9.14.20	11:30A		3		X	EMAIL ANALYTICALS TO CAMILLE BRYANT
	MW 21			1230P		3		X	
	MW 22			115P		3		X	
	MW 23			200P		3		X	
	MW 26		9.14.20	315P		3		X	
	MW 27		9.15.20	1040A		3		X	
	MW 14			1130A		3		X	
	MW 28			1215P		3		X	
	MW 37			1245P		3		X	
	MW 40	GW	9.15.20	145P		3		X	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

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 SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
Bill Riggs		9/17/20 15:40	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 672943

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	Address:	ATTN CAMILL BRYANT
City, State ZIP:	ARTESIA New Mexico 88210	City, State ZIP:	
Phone:	575 441 4835	Email:	DADKINS@TALONLPE.COM

Work Order Comments

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

Project Name:	PLAINS MTJ 1	Turn Around	
Project Number:	700376 044 04	Routine	☒
Project Location	Hobbs New Mexico	Rush:	
Sampler's Name:	Bill Riggs	Due Date:	
PO #:	SRS# 2002-10270	Quote #:	

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	PD 1
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	Preservative Codes	Sample Comments
	MW 38	GW	91520	215P		3		X		
	MW 29		91520	315P		3		X		
	MW 34		91620	945A		3		X		
	MW 35		↑	1045A		3		X		
	MW 36			1150A		3		X		
	MW41		↓	1230P		3		X		
	MW39		91620	110P		3		X		
	MW 13		9-17-20	1230P		3		X		
		↓				3				
		GW				3				

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

ANALYSIS REQUEST

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 SiO2 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

1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
Bill Riggs		9/17/20 15:40	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 70674

Date/Time: 09.18.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**
Created by: Cloe Clifton
Delivery Priority:
Air Bill No.: 771569896945
Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
672943-001	W	MW 17	09.14.2020 11:30	SW8021B	BTEX by EPA 8021	09.23.2020	09.28.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-002	W	MW 21	09.14.2020 12:30	SW8021B	BTEX by EPA 8021	09.23.2020	09.28.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-003	W	MW 22	09.14.2020 11:50	SW8021B	BTEX by EPA 8021	09.23.2020	09.28.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-004	W	MW 23	09.14.2020 14:00	SW8021B	BTEX by EPA 8021	09.23.2020	09.28.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-005	W	MW 26	09.14.2020 15:15	SW8021B	BTEX by EPA 8021	09.23.2020	09.28.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-006	W	MW 27	09.15.2020 10:40	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-007	W	MW 14	09.15.2020 11:30	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-008	W	MW 28	09.15.2020 12:15	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-009	W	MW 37	09.15.2020 12:45	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-010	W	MW 40	09.15.2020 13:45	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-011	W	MW 38	09.15.2020 14:15	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-012	W	MW 29	09.15.2020 15:15	SW8021B	BTEX by EPA 8021	09.23.2020	09.29.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-013	W	MW 34	09.16.2020 09:45	SW8021B	BTEX by EPA 8021	09.23.2020	09.30.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-014	W	MW 35	09.16.2020 10:45	SW8021B	BTEX by EPA 8021	09.23.2020	09.30.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-015	W	MW 36	09.16.2020 11:50	SW8021B	BTEX by EPA 8021	09.23.2020	09.30.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-016	W	MW 41	09.16.2020 12:30	SW8021B	BTEX by EPA 8021	09.23.2020	09.30.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-017	W	MW 39	09.16.2020 13:10	SW8021B	BTEX by EPA 8021	09.23.2020	09.30.2020	JKR	BR4FBZ BZ BZME EBZ	
672943-018	W	MW 13	09.17.2020 12:30	SW8021B	BTEX by EPA 8021	09.23.2020	10.01.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Date Relinquished: 09.18.2020

Received By: Katie Lowe
Date Received: 09.19.2020
Cooler Temperature: 1.6

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 70674

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : IR-8

Sent By: Cloe Clifton **Date Sent:** 09.18.2020 02.06 PM

Received By: Katie Lowe **Date Received:** 09.19.2020 10.45 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 09.19.2020
Katie Lowe

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 09.17.2020 03.40.00 PM

Work Order #: 672943

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Samples sent to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 09.18.2020

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 09.18.2020

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 680472

for

Talon LPE-Artesia

Project Manager: David Adkins

Moore to Jal 1

700376. 044.04

12.18.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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12.18.2020

Project Manager: **David Adkins**
Talon LPE-Artesia
408 West Texas St.
Artesia, NM 88210

Reference: Eurofins Xenco, LLC Report No(s): **680472**
Moore to Jal 1
Project Address: Hobbs, New Mexico

David Adkins:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 680472. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 680472 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 680472

Talon LPE-Artesia, Artesia, NM

Moore to Jal 1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-40	W	12.08.2020 10:40		680472-001
MW-37	W	12.08.2020 12:45		680472-002
MW-28	W	12.08.2020 13:55		680472-003
MW-14	W	12.08.2020 14:45		680472-004
MW-38	W	12.08.2020 11:30		680472-005
MW-26	W	12.08.2020 14:50		680472-006
MW-23	W	12.08.2020 13:25		680472-007
MW-22	W	12.08.2020 12:50		680472-008
MW-21	W	12.08.2020 11:05		680472-009
MW-17	W	12.08.2020 11:30		680472-010
MW-29	W	12.09.2020 10:00		680472-011
MW-13	W	12.09.2020 10:05		680472-012
MW-27	W	12.09.2020 10:15		680472-013
MW-36	W	12.08.2020 08:30		680472-014
MW-39	W	12.08.2020 09:50		680472-015
MW-41	W	12.07.2020 11:35		680472-016
MW-35	W	12.07.2020 14:45		680472-017
MW-34	W	12.07.2020 13:22		680472-018

CASE NARRATIVE

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Client Name: Talon LPE-Artesia

Project Name: Moore to Jal 1

Project ID: *700376. 044.04*
Work Order Number(s): *680472*

Report Date: *12.18.2020*
Date Received: *12.09.2020*

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

V1.001 Revision - Corrected sample 002 ID to MW-37

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3144726 BTEX by EPA 8021

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 680472-015.

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Certificate of Analytical Results
680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **MW-40** Matrix: Water Sample Depth:

Lab Sample Id: 680472-001 Date Collected: 12.08.2020 10:40 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**23.2**	1.00	0.204	mg/L	12.14.2020 10:08	D	500
Toluene	108-88-3	**0.0121**	0.00200	0.000367	mg/L	12.13.2020 23:47		1
Ethylbenzene	100-41-4	**0.144**	0.00200	0.000657	mg/L	12.13.2020 23:47		1
m_p-Xylenes	179601-23-1	**0.180**	0.00400	0.000630	mg/L	12.13.2020 23:47		1
o-Xylene	95-47-6	**0.00416**	0.00200	0.000642	mg/L	12.13.2020 23:47		1
Xylenes, Total	1330-20-7	**0.1842**		0.0006300	mg/L	12.13.2020 23:47		
Total BTEX		**23.54**		0.0003670	mg/L	12.14.2020 10:08		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	103	70 - 130	%		
4-Bromofluorobenzene	100	70 - 130	%		

Sample Id: **MW-37** Matrix: Water Sample Depth:

Lab Sample Id: 680472-002 Date Collected: 12.08.2020 12:45 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.13.2020 21:44	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.13.2020 21:44	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 21:44	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 21:44	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 21:44	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 21:44	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.13.2020 21:44	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

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Certificate of Analytical Results
680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **MW-28** Matrix: Water Sample Depth:

Lab Sample Id: 680472-003 Date Collected: 12.08.2020 13:55 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.13.2020 22:05	U	1
Toluene	108-88-3	**0.000670**	0.00200	0.000367	mg/L	12.13.2020 22:05	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 22:05	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 22:05	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 22:05	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 22:05	U	
Total BTEX		**0.0006700**		0.0003670	mg/L	12.13.2020 22:05	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

Sample Id: **MW-14** Matrix: Water Sample Depth:

Lab Sample Id: 680472-004 Date Collected: 12.08.2020 14:45 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00635**	0.00200	0.000408	mg/L	12.13.2020 22:25		1
Toluene	108-88-3	**0.000530**	0.00200	0.000367	mg/L	12.13.2020 22:25	J	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 22:25	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 22:25	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 22:25	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 22:25	U	
Total BTEX		**0.006880**		0.0003670	mg/L	12.13.2020 22:25		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	104	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

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Certificate of Analytical Results
680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **MW-38** Matrix: Water Sample Depth:

Lab Sample Id: 680472-005 Date Collected: 12.08.2020 11:30 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.0309**	0.00200	0.000408	mg/L	12.13.2020 23:26		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.13.2020 23:26	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 23:26	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 23:26	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 23:26	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 23:26	U	
Total BTEX		**0.03090**		0.0003670	mg/L	12.13.2020 23:26		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	116	70 - 130	%		

Sample Id: **MW-26** Matrix: Water Sample Depth:

Lab Sample Id: 680472-006 Date Collected: 12.08.2020 14:50 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.13.2020 22:45	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.13.2020 22:45	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 22:45	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 22:45	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 22:45	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 22:45	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.13.2020 22:45	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	110	70 - 130	%		

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Sample Id: **MW-23** Matrix: Water Sample Depth:

Lab Sample Id: 680472-007 Date Collected: 12.08.2020 13:25 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.13.2020 23:06	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.13.2020 23:06	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 23:06	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 23:06	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 23:06	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.13.2020 23:06	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.13.2020 23:06	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	102	70 - 130	%		
4-Bromofluorobenzene	112	70 - 130	%		

Sample Id: **MW-22** Matrix: Water Sample Depth:

Lab Sample Id: 680472-008 Date Collected: 12.08.2020 12:50 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 03:09	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 03:09	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 03:09	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 03:09	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 03:09	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 03:09	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.14.2020 03:09	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	100	70 - 130	%		
4-Bromofluorobenzene	108	70 - 130	%		

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Sample Id: **MW-21** Matrix: Water Sample Depth:

Lab Sample Id: 680472-009 Date Collected: 12.08.2020 11:05 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 03:29	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 03:29	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 03:29	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 03:29	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 03:29	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 03:29	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.14.2020 03:29	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	115	70 - 130	%		

Sample Id: **MW-17** Matrix: Water Sample Depth:

Lab Sample Id: 680472-010 Date Collected: 12.08.2020 11:30 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 03:50	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 03:50	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 03:50	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 03:50	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 03:50	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 03:50	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.14.2020 03:50	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	115	70 - 130	%		

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680472
Talon LPE-Artesia, Artesia, NM
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Sample Id: **MW-29** Matrix: Water Sample Depth:
Lab Sample Id: 680472-011 Date Collected: 12.09.2020 10:00 Date Received: 12.09.2020 15:58
Analytical Method: BTEX by EPA 8021 Prep Method: 5030B
Analyst: KTL % Moist:
Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL
Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 04:10	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 04:10	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 04:10	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 04:10	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 04:10	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 04:10	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.14.2020 04:10	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

Sample Id: **MW-13** Matrix: Water Sample Depth:
Lab Sample Id: 680472-012 Date Collected: 12.09.2020 10:05 Date Received: 12.09.2020 15:58
Analytical Method: BTEX by EPA 8021 Prep Method: 5030B
Analyst: KTL % Moist:
Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL
Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**3.03**	0.200	0.0408	mg/L	12.14.2020 10:29	D	100
Toluene	108-88-3	**0.0649**	0.00200	0.000367	mg/L	12.14.2020 04:31		1
Ethylbenzene	100-41-4	**0.157**	0.00200	0.000657	mg/L	12.14.2020 04:31		1
m_p-Xylenes	179601-23-1	**0.170**	0.00400	0.000630	mg/L	12.14.2020 04:31		1
o-Xylene	95-47-6	**0.0742**	0.00200	0.000642	mg/L	12.14.2020 04:31		1
Xylenes, Total	1330-20-7	**0.2442**		0.0006300	mg/L	12.14.2020 04:31		
Total BTEX		**3.496**		0.0003670	mg/L	12.14.2020 10:29		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	112	70 - 130	%		
4-Bromofluorobenzene	119	70 - 130	%		

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680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **MW-27** Matrix: Water Sample Depth:

Lab Sample Id: 680472-013 Date Collected: 12.09.2020 10:15 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00670**	0.00200	0.000408	mg/L	12.14.2020 04:51		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 04:51	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 04:51	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 04:51	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 04:51	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 04:51	U	
Total BTEX		**0.006700**		0.0003670	mg/L	12.14.2020 04:51		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	114	70 - 130	%		

Sample Id: **MW-36** Matrix: Water Sample Depth:

Lab Sample Id: 680472-014 Date Collected: 12.08.2020 08:30 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00164**	0.00200	0.000408	mg/L	12.14.2020 05:12	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 05:12	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 05:12	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 05:12	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 05:12	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 05:12	U	
Total BTEX		**0.001640**		0.0003670	mg/L	12.14.2020 05:12	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	96	70 - 130	%		
4-Bromofluorobenzene	121	70 - 130	%		

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680472
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Moore to Jal 1

Sample Id: **MW-39** Matrix: Water Sample Depth:

Lab Sample Id: 680472-015 Date Collected: 12.08.2020 09:50 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**1.20**	0.200	0.0408	mg/L	12.14.2020 10:49	D	100
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 05:32	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 05:32	U	1
m_p-Xylenes	179601-23-1	**0.0198**	0.00400	0.000630	mg/L	12.14.2020 05:32		1
o-Xylene	95-47-6	**0.00126**	0.00200	0.000642	mg/L	12.14.2020 05:32	J	1
Xylenes, Total	1330-20-7	**0.02106**		0.0006300	mg/L	12.14.2020 05:32		
Total BTEX		**1.221**		0.0003670	mg/L	12.14.2020 10:49		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	141	70 - 130	%		**
4-Bromofluorobenzene	114	70 - 130	%		

Sample Id: **MW-41** Matrix: Water Sample Depth:

Lab Sample Id: 680472-016 Date Collected: 12.07.2020 11:35 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.00394**	0.00200	0.000408	mg/L	12.14.2020 05:52		1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 05:52	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 05:52	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 05:52	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 05:52	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 05:52	U	
Total BTEX		**0.003940**		0.0003670	mg/L	12.14.2020 05:52		

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	98	70 - 130	%		
4-Bromofluorobenzene	113	70 - 130	%		

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680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **MW-35** Matrix: Water Sample Depth:

Lab Sample Id: 680472-017 Date Collected: 12.07.2020 14:45 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	**0.000930**	0.00200	0.000408	mg/L	12.14.2020 06:13	J	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 06:13	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 06:13	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 06:13	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 06:13	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 06:13	U	
Total BTEX		**0.0009300**		0.0003670	mg/L	12.14.2020 06:13	J	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	97	70 - 130	%		
4-Bromofluorobenzene	114	70 - 130	%		

Sample Id: **MW-34** Matrix: Water Sample Depth:

Lab Sample Id: 680472-018 Date Collected: 12.07.2020 13:22 Date Received: 12.09.2020 15:58

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 07:35	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 07:35	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 07:35	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 07:35	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 07:35	U	1
Xylenes, Total	1330-20-7	<0.0006300		0.0006300	mg/L	12.14.2020 07:35	U	
Total BTEX		<0.0003670		0.0003670	mg/L	12.14.2020 07:35	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	99	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

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680472
Talon LPE-Artesia, Artesia, NM
Moore to Jal 1

Sample Id: **7717006-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7717006-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144723 Date Prep: 12.12.2020 16:00 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717006

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.13.2020 15:55	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.13.2020 15:55	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.13.2020 15:55	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.13.2020 15:55	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.13.2020 15:55	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	101	70 - 130	%		
4-Bromofluorobenzene	107	70 - 130	%		

Sample Id: **7717010-1-BLK** Matrix: Water Sample Depth:

Lab Sample Id: 7717010-1-BLK Date Collected: Date Received:

Analytical Method: BTEX by EPA 8021 Prep Method: 5030B

Analyst: KTL % Moist:

Seq Number: 3144726 Date Prep: 12.11.2020 14:30 Tech: KTL

Subcontractor: SUB: T104704400-20-21 Prep seq: 7717010

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	<0.000408	0.00200	0.000408	mg/L	12.14.2020 02:47	U	1
Toluene	108-88-3	<0.000367	0.00200	0.000367	mg/L	12.14.2020 02:47	U	1
Ethylbenzene	100-41-4	<0.000657	0.00200	0.000657	mg/L	12.14.2020 02:47	U	1
m_p-Xylenes	179601-23-1	<0.000630	0.00400	0.000630	mg/L	12.14.2020 02:47	U	1
o-Xylene	95-47-6	<0.000642	0.00200	0.000642	mg/L	12.14.2020 02:47	U	1

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
1,4-Difluorobenzene	94	70 - 130	%		
4-Bromofluorobenzene	114	70 - 130	%		

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Form 2 - Surrogate Recoveries

Project Name: Moore to Jal 1

Report Date: 12182020

Work Orders : 680472 **Project ID:** 700376. 044.04

Lab Batch #: 3144723 **Sample:** 7717006-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.13.2020 13:55 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	70-130	
4-Bromofluorobenzene	0.0295	0.0300	98	70-130	

Lab Batch #: 3144723 **Sample:** 7717006-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.13.2020 14:15 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0308	0.0300	103	70-130	
4-Bromofluorobenzene	0.0300	0.0300	100	70-130	

Lab Batch #: 3144723 **Sample:** 680440-004 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.13.2020 14:36 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0302	0.0300	101	70-130	

Lab Batch #: 3144723 **Sample:** 680440-004 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.13.2020 14:56 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0292	0.0300	97	70-130	
4-Bromofluorobenzene	0.0315	0.0300	105	70-130	

Lab Batch #: 3144723 **Sample:** 7717006-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.13.2020 15:55 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0304	0.0300	101	70-130	
4-Bromofluorobenzene	0.0321	0.0300	107	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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Form 2 - Surrogate Recoveries

Project Name: Moore to Jal 1

Report Date: 12182020

Work Orders : 680472 **Project ID:** 700376. 044.04

Lab Batch #: 3144726 **Sample:** 7717010-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.14.2020 00:48 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	70-130	
4-Bromofluorobenzene	0.0315	0.0300	105	70-130	

Lab Batch #: 3144726 **Sample:** 7717010-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.14.2020 01:09 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0306	0.0300	102	70-130	
4-Bromofluorobenzene	0.0313	0.0300	104	70-130	

Lab Batch #: 3144726 **Sample:** 680472-008 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.14.2020 01:29 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0293	0.0300	98	70-130	
4-Bromofluorobenzene	0.0328	0.0300	109	70-130	

Lab Batch #: 3144726 **Sample:** 680472-008 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.14.2020 01:49 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0303	0.0300	101	70-130	
4-Bromofluorobenzene	0.0317	0.0300	106	70-130	

Lab Batch #: 3144726 **Sample:** 7717010-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L **Date Analyzed:** 12.14.2020 02:47 **SURROGATE RECOVERY STUDY**

BTEX by EPA 8021 Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0281	0.0300	94	70-130	
4-Bromofluorobenzene	0.0341	0.0300	114	70-130	

* Surrogate outside of Laboratory QC limits
** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.

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BS / BSD Recoveries

Project Name: Moore to Jal 1

Work Order #: 680472 **Project ID:** 700376. 044.04

Analyst: KTL **Date Prepared:** 12.12.2020 **Date Analyzed:** 12.13.2020

Lab Batch ID: 3144723 **Sample:** 7717006-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.09140	91	0.100	0.1020	102	11	70-130	25	
Toluene	<0.000367	0.100	0.08930	89	0.100	0.09980	100	11	70-130	25	
Ethylbenzene	<0.000657	0.100	0.09760	98	0.100	0.1080	108	10	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.1950	98	0.200	0.2170	109	11	70-130	25	
o-Xylene	<0.000642	0.100	0.09840	98	0.100	0.1090	109	10	70-130	25	

Analyst: KTL **Date Prepared:** 12.11.2020 **Date Analyzed:** 12.14.2020

Lab Batch ID: 3144726 **Sample:** 7717010-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.09480	95	0.100	0.09190	92	3	70-130	25	
Toluene	<0.000367	0.100	0.08880	89	0.100	0.08750	88	1	70-130	25	
Ethylbenzene	<0.000657	0.100	0.09700	97	0.100	0.09540	95	2	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.1930	97	0.200	0.1900	95	2	70-130	25	
o-Xylene	<0.000642	0.100	0.09630	96	0.100	0.09530	95	1	70-130	25	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

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Form 3 - MS / MSD Recoveries

Project Name: Moore to Jal 1

Report Date: 12182020
Project ID: 700376. 044.04

Work Order # : 680472
Lab Batch ID: 3144723 **QC- Sample ID:** 680440-004 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 12.13.2020 **Date Prepared:** 12.12.2020 **Analyst:** KTL
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.0775	78	0.100	0.0757	76	2	70-130	25	
Toluene	<0.000367	0.100	0.0781	78	0.100	0.0815	82	4	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0893	89	0.100	0.0945	95	6	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.178	89	0.200	0.190	95	7	70-130	25	
o-Xylene	<0.000642	0.100	0.0918	92	0.100	0.0969	97	5	70-130	25	

Lab Batch ID: 3144726 **QC- Sample ID:** 680472-008 S **Batch #:** 1 **Matrix:** Water
Date Analyzed: 12.14.2020 **Date Prepared:** 12.11.2020 **Analyst:** KTL
Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	<0.000408	0.100	0.0741	74	0.100	0.0765	77	3	70-130	25	
Toluene	<0.000367	0.100	0.0783	78	0.100	0.0769	77	2	70-130	25	
Ethylbenzene	<0.000657	0.100	0.0914	91	0.100	0.0884	88	3	70-130	25	
m_p-Xylenes	<0.000630	0.200	0.184	92	0.200	0.176	88	4	70-130	25	
o-Xylene	<0.000642	0.100	0.0940	94	0.100	0.0901	90	4	70-130	25	

Matrix Spike Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200*|(C-F) / (C+F)|
Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A) / E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Chain of Custody

Work Order No: 680472

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas Street	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2002-10270
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:	700376.044.04	Routine	☒
Project Location	Hobbs, NM	Rush:	
Sampler's Name:	RayBell/Bill Riggs	Due Date:	
PO #:	SRS# 2002-10270	Quote #:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.0/0.8	Thermometer ID	T-WM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	(Yes) No N/A	Total Containers:	54

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	ANALYSIS REQUEST: BTEX 8021	Sample Comments
	MW-40	GW	12-8-20	10:40	NA	3			Email Analyticals to: Camille Bryant
	MW-39			12:45					
	MW-28			1:55					
	MW-14			2:45					
	MW-38			11:30					
	MW-26			2:50					
	MW-23			1:25					
	MW-22			12:50					
	MW-21			11:05					
	MW-17			11:30					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
RayBell	Clue Cepto	12-9-20 1558	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Work Order No: 680472

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

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	Turn Around	
Project Number:	700376.044.04	Routine	☒
Project Location	Hobbs, NM	Rush:	
Sampler's Name:	Roybell / Bill Riggs	Due Date:	
PO #:	SRS# 2002-10270	Quote #:	

SAMPLE RECEIPT					
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No		
Temperature (°C):	1.0 / 0.8	Thermometer ID	T-NM-007		
Received Intact:	(Yes) No				
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2		
Sample Custody Seals:	(Yes) No N/A	Total Containers:	54		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	ANALYSIS REQUEST: BTEX 8021	Sample Comments
	MW-29	GW	12-9-20	10:00	N/A	3		X	Email Analyticals to: Camille Bryant
	~~MW-28~~ MW-13		12-8-20	~~10:00~~ 10:05					
	MW-27		12-9-20	10:15					
	MW-36		12-8-20	8:30					
	MW-39		12-8-20	9:50					
	MW-41		12-7-20	11:35					
	MW-35		12-7-20	2:45					
	MW-34		12-7-20	1:22					

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

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 SiO2 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 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. 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 Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to 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
	Clae Curtis	12.9.20 1558	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 74631

Date/Time: 12.10.2020
Lab# From: **Carlsbad**
Lab# To: **Midland**

Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
680472-001	W	MW-40	12.08.2020 10:40	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-002	W	MW-39	12.08.2020 12:45	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-003	W	MW-28	12.08.2020 13:55	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-004	W	MW-14	12.08.2020 14:45	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-005	W	MW-38	12.08.2020 11:30	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-006	W	MW-26	12.08.2020 14:50	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-007	W	MW-23	12.08.2020 13:25	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-008	W	MW-22	12.08.2020 12:50	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-009	W	MW-21	12.08.2020 11:05	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-010	W	MW-17	12.08.2020 11:30	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-011	W	MW-29	12.09.2020 10:00	SW8021B	BTEX by EPA 8021	12.15.2020	12.23.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-012	W	MW-13	12.09.2020 10:05	SW8021B	BTEX by EPA 8021	12.15.2020	12.23.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-013	W	MW-27	12.09.2020 10:15	SW8021B	BTEX by EPA 8021	12.15.2020	12.23.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-014	W	MW-36	12.08.2020 08:30	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-015	W	MW-39	12.08.2020 09:50	SW8021B	BTEX by EPA 8021	12.15.2020	12.22.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-016	W	MW-41	12.07.2020 11:35	SW8021B	BTEX by EPA 8021	12.15.2020	12.21.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-017	W	MW-35	12.07.2020 14:45	SW8021B	BTEX by EPA 8021	12.15.2020	12.21.2020	JKR	BR4FBZ BZ BZME EBZ	
680472-018	W	MW-34	12.07.2020 13:22	SW8021B	BTEX by EPA 8021	12.15.2020	12.21.2020	JKR	BR4FBZ BZ BZME EBZ	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Cloe Clifton

Date Relinquished: 12.10.2020

Received By: Jessica Kramer
Jessica Kramer

Date Received: 12.11.2020

Cooler Temperature: 1.6

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 74631

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 12.10.2020 03.33 PM

Received By: Jessica Kramer **Date Received:** 12.11.2020 11.41 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.6	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer Date: 12.11.2020

Jessica Kramer

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Talon LPE-Artesia

Date/ Time Received: 12.09.2020 03.58.00 PM

Work Order #: 680472

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**Yes**	Samples sent to Midland.
#18 Water VOC samples have zero headspace?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 12.09.2020

Cloe Clifton

Checklist reviewed by: Jessica Kramer Date: 12.10.2020

Jessica Kramer

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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 23694

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay St, Ste 1600 Houston, TX 77002	OGRID: 34053
	Action Number: 23694
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 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 3. Perform groundwater monitoring events in accordance with NMOCD directives 4. OCD approves the elimination of the PAH analysis in all groundwater monitoring wells 5. Submit annual report to OCD no later than March 31,2022.	1/26/2022