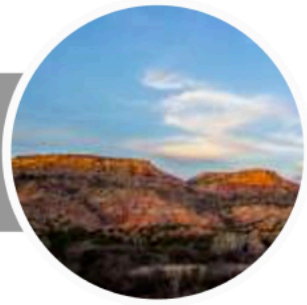

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REVIEWED
By Mike Buchanan at 9:46 am, Aug 15, 2024

2023 Annual Groundwater Monitoring Report

Kimbrough Sweet 8”
Lea County, New Mexico
SRS # 2000-10757
NMOCD REF. # AP-0029, nAPP2109529734

Review of the 2023 Annual Groundwater Monitoring Report: content satisfactory
1. Continue to conduct groundwater monitoring on a quarterly schedule for the 2024 calendar year with analyses for BTEX and PAH, in wells that are able to accessed for groundwater sampling.
2. Continue removal of PSH by monthly MDPE events.
3. Submit the 2024 annual groundwater report to OCD by April 1, 2025.

Prepared For:
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Prepared By:
Talon/LPE, Ltd.
408 W. Texas Ave.
Artesia, New Mexico 88210

March 4, 2024

2023 ANNUAL GROUNDWATER MONITORING REPORT

Kimbrough Sweet 8"
Lea County, New Mexico
SRS # 2000-10757
NMOCD REF. # AP-0029, nAPP2109529734

Plains Pipeline, L.P.
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March, 4, 2024

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NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

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APPENDICES

1. INTRODUCTION AND SITE HISTORY

The Kimbrough Sweet 8" (site) is located approximately seven (7) miles northwest of Hobbs, New Mexico in Unit G, Section 3, Township 18 South, and Range 37 East. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8-inch steel pipeline on October 25, 2000. At the time of the release, the pipeline was owned by EOTT Energy Pipeline (EOTT). Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Pipeline, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 60 barrels (bbls) of crude oil was released and impacted approximately 15,613 square feet of surface area. Approximately 22 bbls of crude oil was recovered during initial remediation activities.

The site is situated within a physiographic region 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 area is approximately 3,720-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.

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

1.1 Site Geology

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

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

1.2 Previous Environmental Investigations

Currently, a total of 17 groundwater monitor wells are in use in the vicinity of the release at the site (see Figure 1 in Appendix A). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor wells (MW-1, MW-2, MW-3, and MW-4) were installed in January 2002. Groundwater monitor wells (MW-5, MW-7, MW-8, and MW-9) were installed in July 2004, and monitor wells (MW-6, MW-10, and MW-11) were installed in December 2004. Monitor wells (MW-12 and MW-13) were installed on March 11, 2009, and monitor wells (MW-14 and MW-15) were installed in January 2011. Monitor Well MW-1 was plugged and abandoned. Replacement monitor well (MW-1A) and monitor wells (MW-16, MW-17, and MW-18) were installed in November 2013.

Phase-separated hydrocarbon (PSH) recovery operations have been performed at the site since January 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells (MW-5 and MW-6). In November 2011, additional 12V-powered total fluids pumps were installed in monitor wells (MW-2 and MW-11). In October 2012, an internal combustion engine (ICE) system for running pumps and vapor extraction was installed on site. There were five (5) total fluids pumps, powered by an ICE unit, in monitor wells (MW-5, MW-6, MW-7, MW-8, and MW-11) and two (2) solar-powered electric pumps in monitor wells (MW-2 and MW-9) at that time. The engine for the ICE unit failed in May 2016. Operation of the ICE unit was discontinued at that time.

Beginning in June 2016, Mobile Dual-Phase Extraction (MDPE) events began and are currently conducted on a monthly basis. No other types of PSH recovery are being carried out at this site.

In August 2018, six (6) wells (MW-2, MW-4, MW-7, MW-8, MW-10, and MW-11) were plugged and abandoned due to decreasing groundwater levels. Five replacement wells were installed (MW-2A, MW-7A, MW-8A, MW-11A, and MW-19), and one well (MW-1A) was repaired due to vandalism.

MDPE events were conducted on a monthly basis at the site during 2022 and recovered approximately 17.02 bbls of PSH.

During 2023, a total of twelve (12) MDPE events were conducted. A total of 20.14 bbls of PSH were recovered which consisted of 5.97 bbls of liquid PSH and 14.17 bbls of vapor.

Historically, approximately 649.19 bbls of PSH, which consisted of 296.86 bbls of vapor phase and 352.34 bbls of liquid phase PSH, have been recovered from the site.

1.3 Regulatory Framework

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

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

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

2. SITE ACTIVITIES

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

2.1 Groundwater Monitoring Activities

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

During the March 2023 groundwater monitoring event, all 17 monitor wells were gauged. A total of 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-2A, MW-6, and MW-11A) were not sampled. It was noted that three (3) monitor wells (MW-3, MW-5, and MW-13) were dry when gauged and monitor well MW-9 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2023 groundwater monitoring event, all 17 monitor wells were gauged. A total of seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-2A, MW-6, MW-11A) were not sampled. It was noted that two (2) monitor wells (MW-3 and MW-5) were dry when gauged and monitor well MW-9 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2023 groundwater monitoring event, all 17 monitor wells were gauged. A total of 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-6 and MW-11A) were not sampled. It was noted that four (4) monitor wells (MW-2A, MW-3, MW-5, and MW-13) were dry when gauged and monitor well MW-9 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. MW-12 through MW-15 were not scheduled for sampling. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2023 groundwater monitoring event, all 17 monitor wells were gauged. A total of seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-2A and MW-11A) were not sampled. It was noted that five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were dry when gauged; therefore, the aforementioned wells were not purged or sampled. MW-12, MW-14, and MW-15 were not scheduled for sampling. 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 these measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during the four (4) events conducted in 2023 are incorporated in Table 1 - Gauging and NAPL Thickness - Historical included in Appendix B.

Subsequent to gauging, all monitor wells not impacted with PSH were purged a minimum of three (3) casing volumes using a 12-volt, submersible pump equipped with vinyl tubing. The purge 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. The purge water is then placed into the on-site holding tank for subsequent disposal to an NMOCD approved facility, Gandy Marley, via vacuum truck.

Groundwater samples were collected from all monitor wells using dedicated disposable polyethylene bailers. Each groundwater sample was contained in laboratory supplied sample containers with the appropriate preservative required for the analysis requested.

The groundwater samples were maintained on ice, in the custody of Talon/LPE personnel, until they were delivered to Eurofins in Carlsbad, New Mexico for the first quarter and to Permian Basin Environmental in Midland, Texas for the second, third, and fourth quarters, for analysis. The groundwater samples collected during all four (4) events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by Environmental Protection Agency (EPA) Method SW-846 8021B. The groundwater samples collected from MW-7A, MW-8A, and MW-19 during the March 2023 event were analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270D.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells MW-5 and MW-6. In November 2011, additional 12V-powered total fluids pumps were installed in monitor wells MW-2 and MW-11A. In October 2012, an ICE system for running pumps and vapor extraction was installed on site.

The system utilized five (5) pneumatic total fluid pumps in monitor wells (MW-5, MW-6, MW-7, MW-8, and MW-11A) and two (2) 12V total fluids pumps in monitor wells (MW-2 and MW-9) to recover PSH and to inhibit migration of the PSH plume. The ICE assembly consisted of pneumatic total fluid pumps combined with vapor suction. Since there is no electricity at the site. The ICE system was powered by propane and vapors from listed wells. The 12V total fluids pumps operated off 12V batteries, which were charged by solar panels.

Fluid recovered by the pumps was retained in two (2) polyethylene tanks, a 3,000-gallon tank and a 2,500-gallon tank, that were added in 2011. The tanks were coupled together and were equipped with high-level shut-off switches to prevent overflow. In addition, the tanks were located within a secondary containment that was equipped with a polyethylene liner. The ICE system discontinued operation in May 2016.

Currently, there are no fluid pumps in use at this site. One (1) 2,500-gallon polyethylene tank is currently in use. MDPE events are conducted on a monthly basis. This system utilizes vapor pulled by vacuum combined with propane to power an internal combustion engine, which also powers a compressor and the blower used to create vacuum for vapor recovery. Compressed air from the system drives pneumatic pumps placed in the various wells containing PSH. Fluid recovered by the pumps is retained in the onsite polyethylene tank. Recovered groundwater and PSH is removed from the polyethylene tanks and transported to an NMOCD approved disposal facility, Gandy Marley, via vacuum truck at the end of the MDPE events.

During 2023 the quarterly PSH and groundwater recovery totals are as follows:

1st Quarter – 5.87 bbls PSH and 65.79 bbls of groundwater
2nd Quarter – 5.62 bbls PSH and 103.78 bbls of groundwater
3rd Quarter – 4.97 bbls PSH and 85.00 bbls of groundwater
4th Quarter – 3.69 bbls PSH and 57.33 bbls of groundwater

Twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2023. The individual MDPE event recovery totals are as follows:

January 11, 2023 –	1.37	bbls vapor,	0.85	bbls liquid
February 23, 2023 –	1.86	bbls vapor,	0.67	bbls liquid
March 08, 2023 –	0.66	bbls vapor,	0.45	bbls liquid
April 05, 2023 –	0.65	bbls vapor,	0.45	bbls liquid
May 24, 2023 –	1.68	bbls vapor,	0.57	bbls liquid
June 28, 2023 –	1.75	bbls vapor,	0.52	bbls liquid
July 10, 2023 –	0.38	bbls vapor,	0.45	bbls liquid
August 2, 2023 –	1.99	bbls vapor,	0.38	bbls liquid
September 5, 2023 –	1.38	bbls vapor,	0.38	bbls liquid
October 12, 2023 –	0.67	bbls vapor,	0.55	bbls liquid
November 18, 2023 –	1.19	bbls vapor,	0.38	bbls liquid
December 6, 2023 –	0.60	bbls vapor,	0.31	bbls liquid

In 2023, an estimated total of 20.15 bbls of PSH were recovered during the MDPE events.

Historically, approximately 649.19 bbls of PSH, which consists of 296.86 bbls of vapor phase and 352.34 bbls of liquid phase PSH, have been recovered from the site.

3. GROUNDWATER MONITORING RESULTS

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

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

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

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

The composition of Ogallala groundwater is defined as mixed-cation-HCO3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

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

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

- March 03, 2023
- June 09, 2023
- September 08, 2023
- December 11, 2023

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

Based on fluid level measurements at the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2023 and December 2023 was east/northeast with an average gradient of 0.0048 feet per foot (ft/ft), or approximately 25.51 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.79 feet for the year 2023 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbons

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

During the March 2023 sampling event, PSH was observed in three (3) monitor wells (MW-2A, MW-6, and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.40 feet.

During the June 2023 sampling event, PSH was observed in three (3) monitor wells (MW-2A, MW-6, MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.74 feet.

During the September 2023 sampling event, PSH was observed in two (2) monitor wells (MW-6 and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.40 feet.

During the December 2023 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness measured 0.01 feet in both wells.

PSH plume maps are presented as Figures 3a, 3b, 3c, and 3d in Appendix A.

3.4 Groundwater Sampling Results

During the March 2023 sampling event, 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene ranged from <0.000408 mg/L in monitor wells in MW-7A, MW-8A, MW-14, MW-15, and MW-19 to 0.0148 mg/L in MW-12. The benzene concentrations for monitor well MW-12 was above the NMWQCC groundwater standard of 0.010 mg/L.
- Toluene concentrations were less than laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a toluene concentration of 0.00107 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than laboratory MDL in all wells sampled with the exception of MW-8A which exhibited an ethylbenzene concentration of 0.00155 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations ranged from below laboratory MDL of 0.000642 mg/L in MW-7A, MW-14, MW-15, and MW-19 to 0.00741 mg/L in MW-8A. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.
- Polycyclic aromatic hydrocarbons (PAH by EPA 8270) were added to the first quarter sampling event for MW-7A, MW-8A, and MW-19. The associated concentrations for all compounds were below the applicable NMWQCC groundwater standards.

During the June 2023 sampling event, seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than laboratory MDL in all wells sampled with the exception of MW-7A which exhibited a concentration of 0.00144 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-7A which exhibited a concentration of 0.00150 mg/L.. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.

- Ethylbenzene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00126 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exceptions of MW-7A, MW-8A, and MW-17 which exhibited a concentration of 0.00440 mg/L, 0.00259 mg/L, and 0.00211 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the September 2023 sampling event, 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than the laboratory MDL in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.000970 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.000670 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the December 2023 sampling event, seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than the laboratory MDL in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of .750 0mg/L in any wells sampled.

- Ethylbenzene concentrations were less than the laboratory MDL in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00105 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

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

4. CONCLUSIONS AND RECOMMENDATIONS

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

4.1 Summary of Findings

- The groundwater flow direction is generally to the east/northeast with an average gradient of 0.0048 feet per foot based on the water level measurement data collected in 2023.
- Groundwater levels at the subject site have decreased an average of 0.79 feet for the year 2023.
- PSH has impacted monitor wells MW-2A, MW-6, and MW-11A in 2023. PSH levels and extent have fluctuated in 2023 between 0.01 feet in all wells to 0.74 feet in MW-11A.
- Dissolved-phase concentrations were stable during 2023.

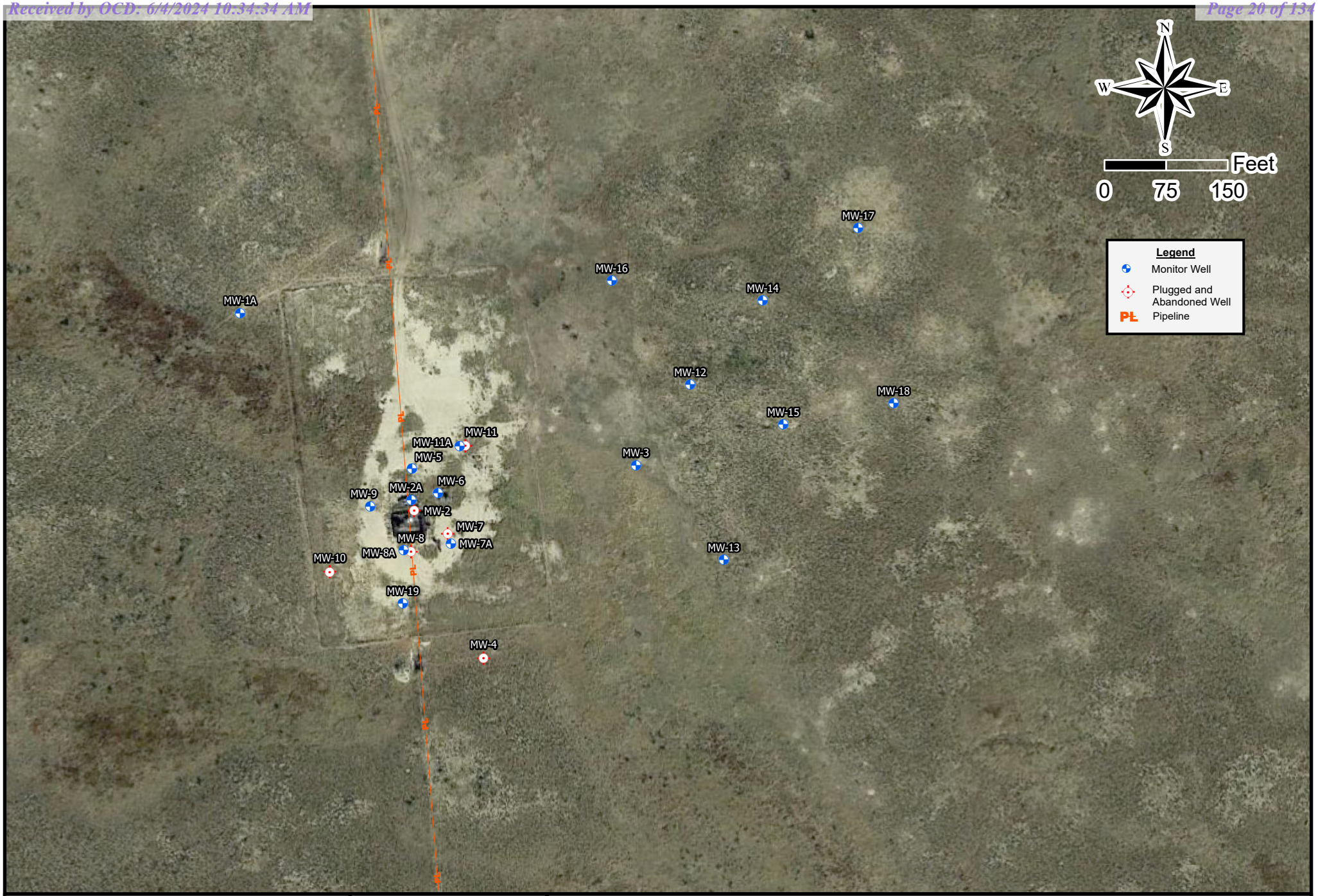
4.2 Recommendations

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

- Continue PSH recovery via monthly MDPE events.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

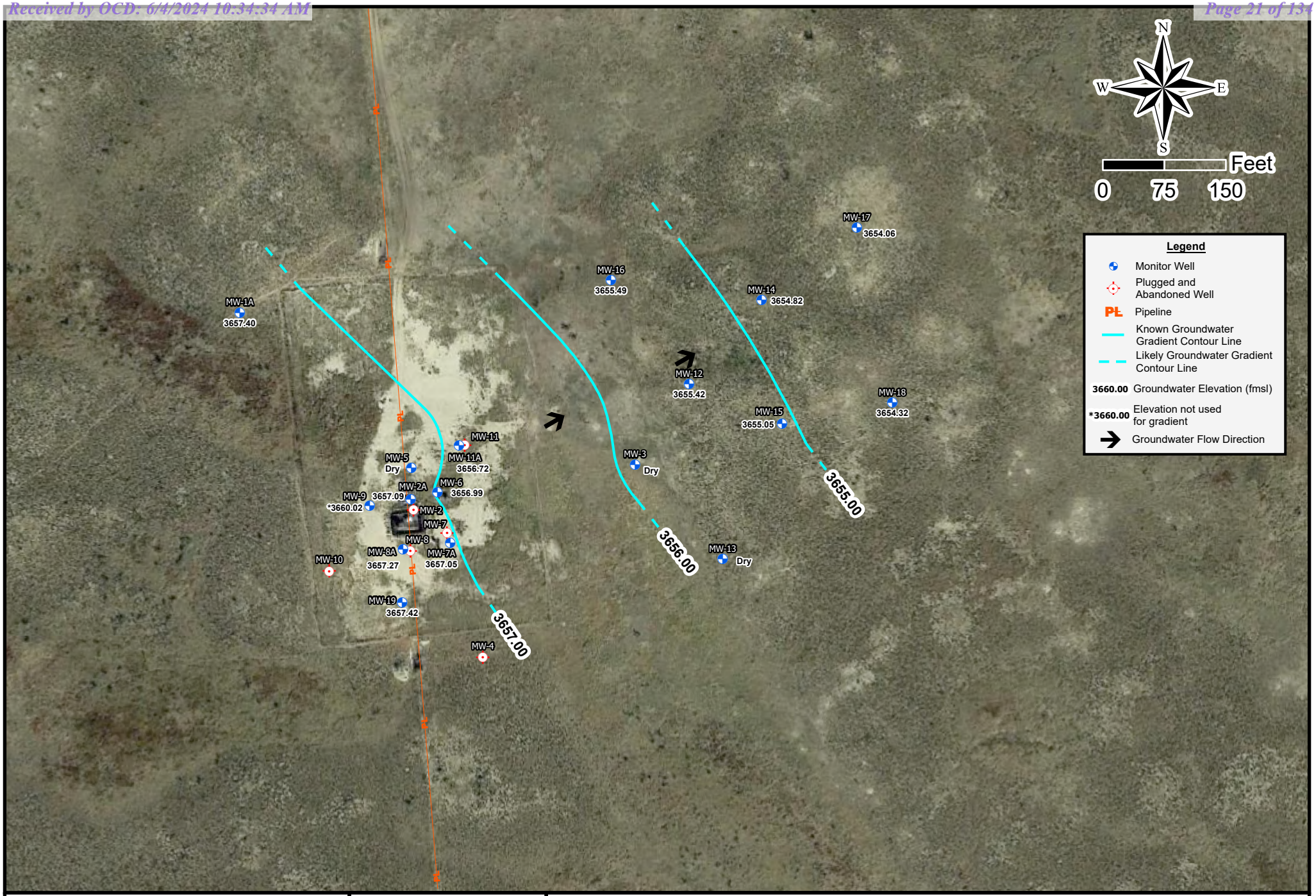
Figures



TALON LPE

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

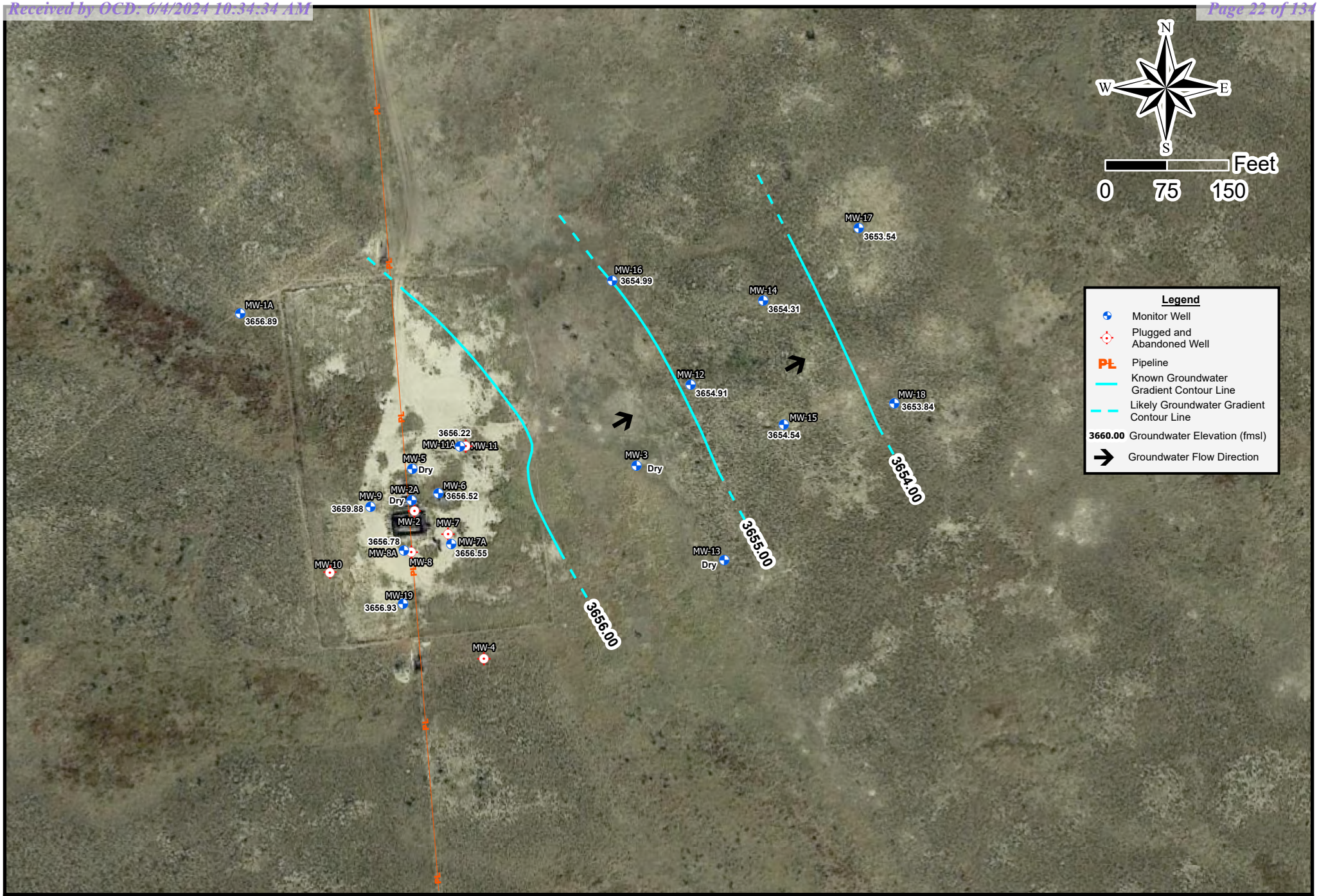
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 1 - Site Map



TALON LPE

Drafted: 5/11/2023
1 in = 150 ft
Drafted By: IJR

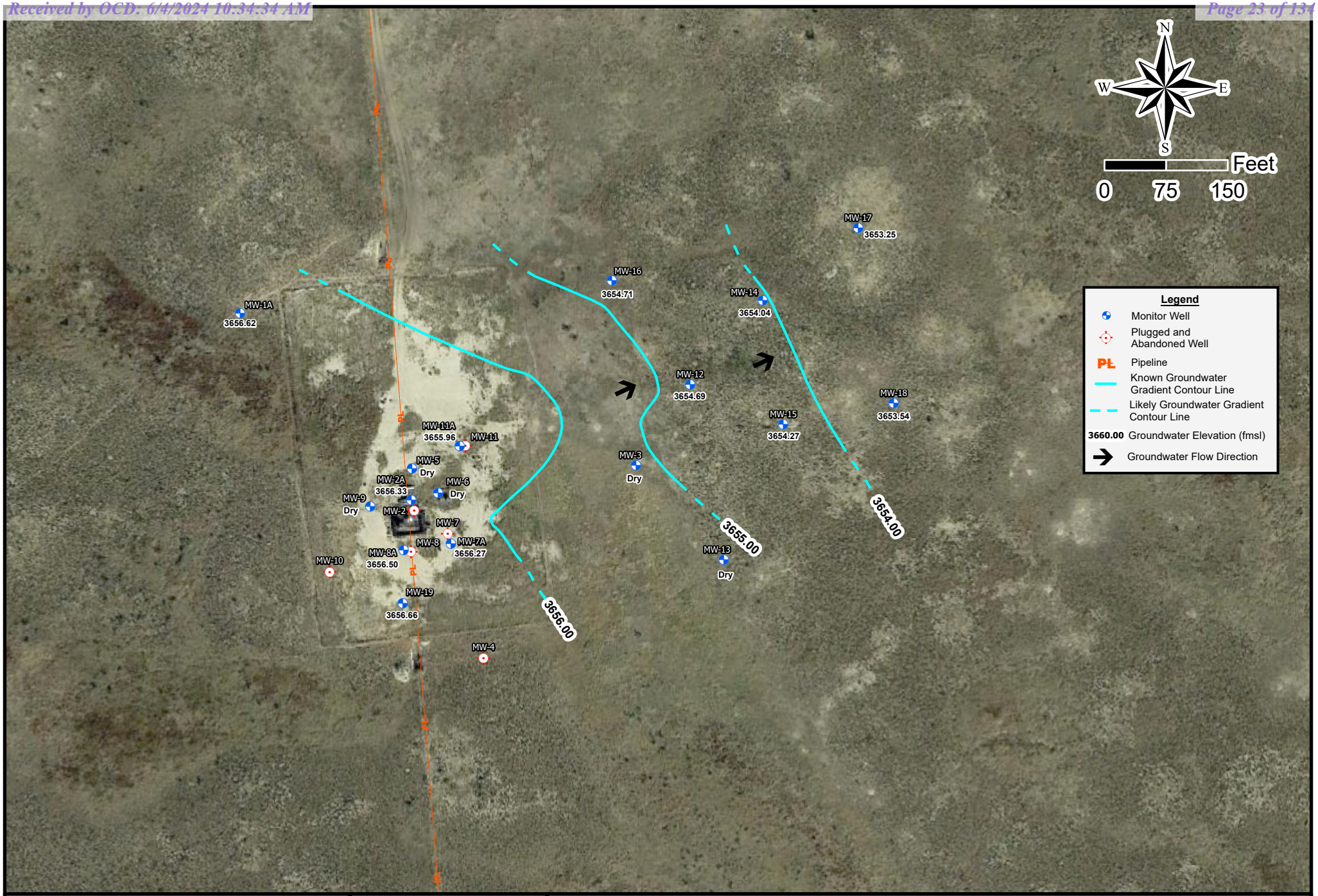
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2a - Groundwater Gradient Map (03/03/2023)



TALON LPE

Drafted: 10/20/2023
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2c - Groundwater Gradient Map (09/08/2023)



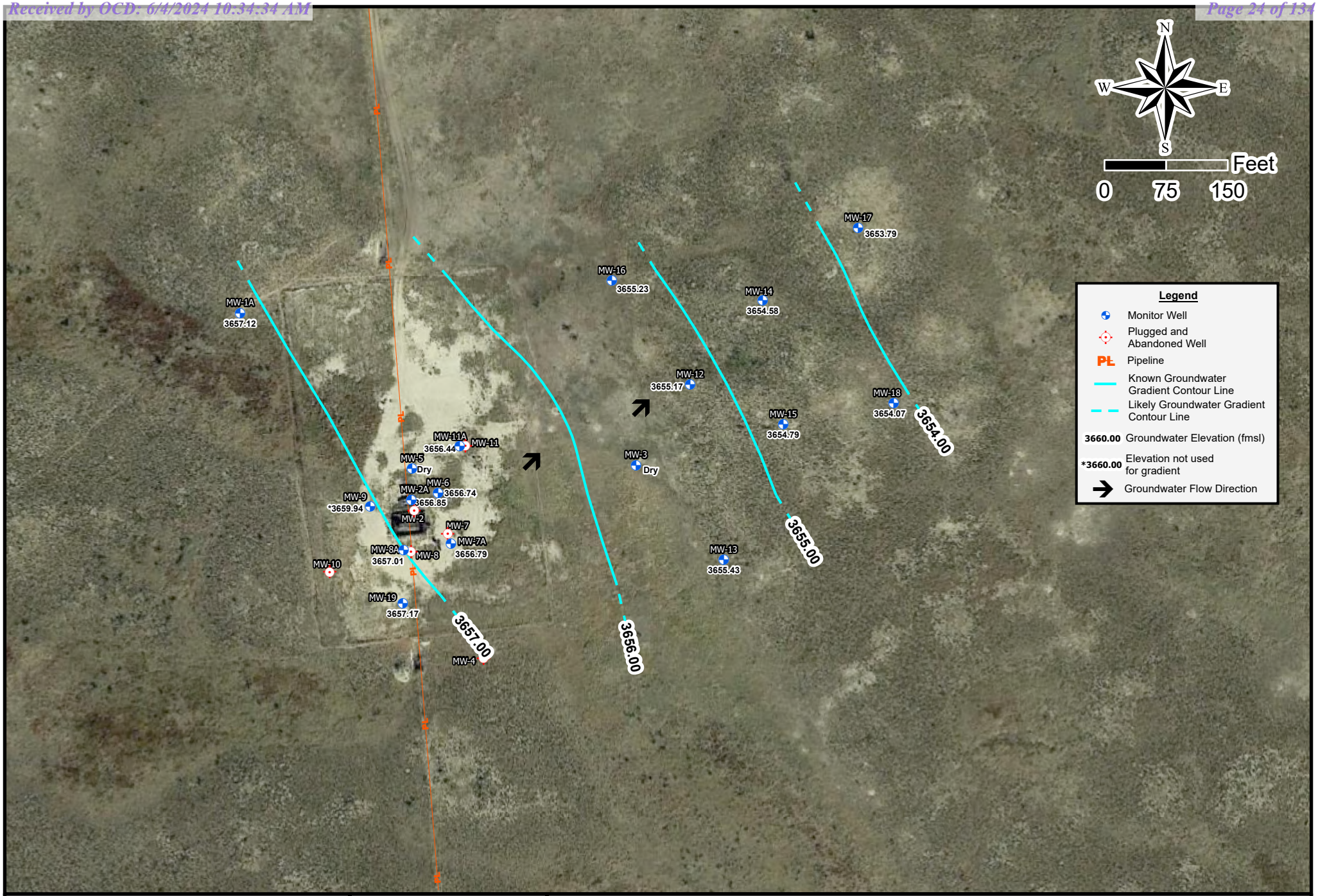
TALON LPE

Drafted: 1/12/2024

1 in = 150 ft

Drafted By: JAI

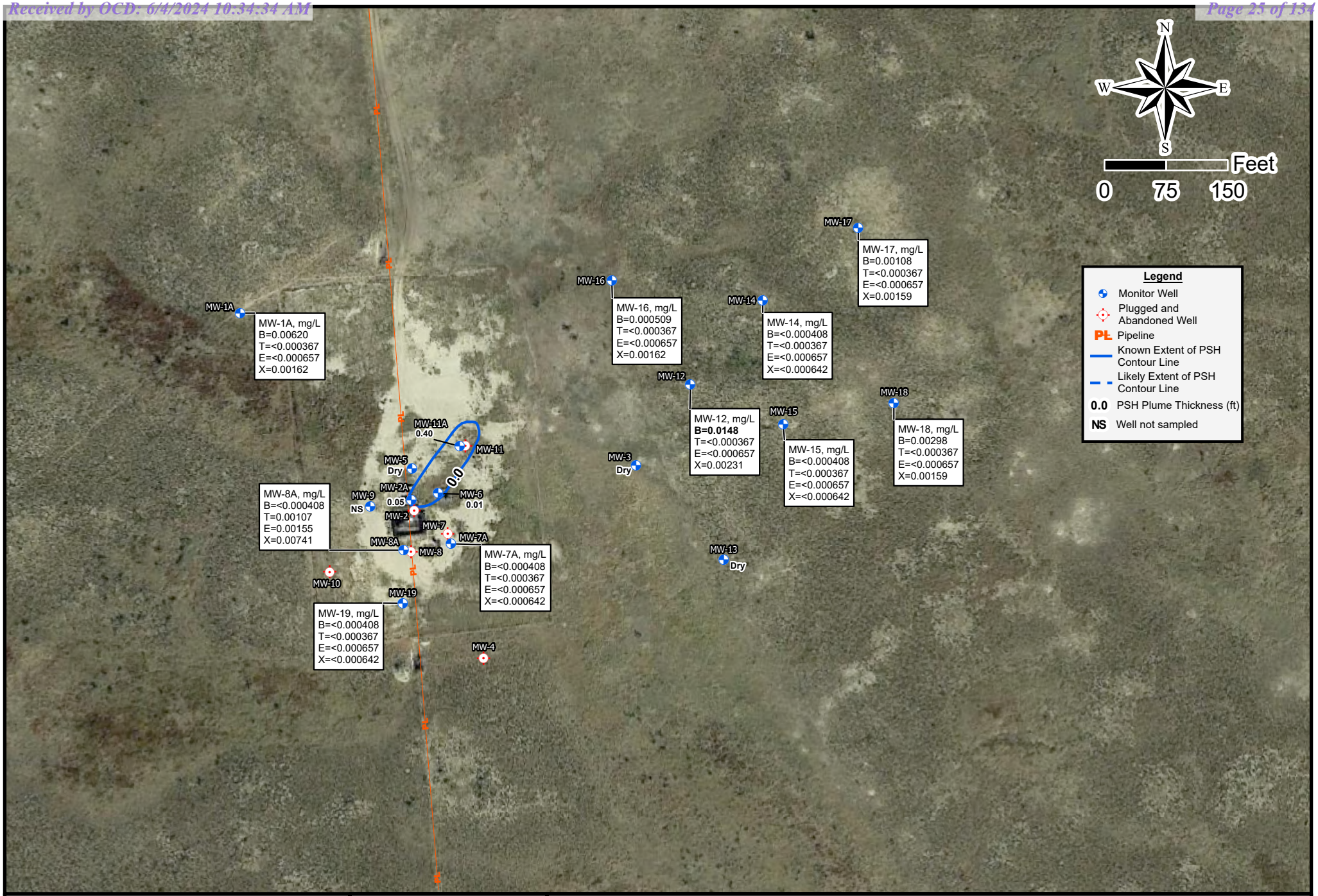
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2d - Groundwater Gradient Map (12/11/2023)



TALON LPE

Drafted: 3/6/2024
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2b - Groundwater Gradient Map (06/09/2023)

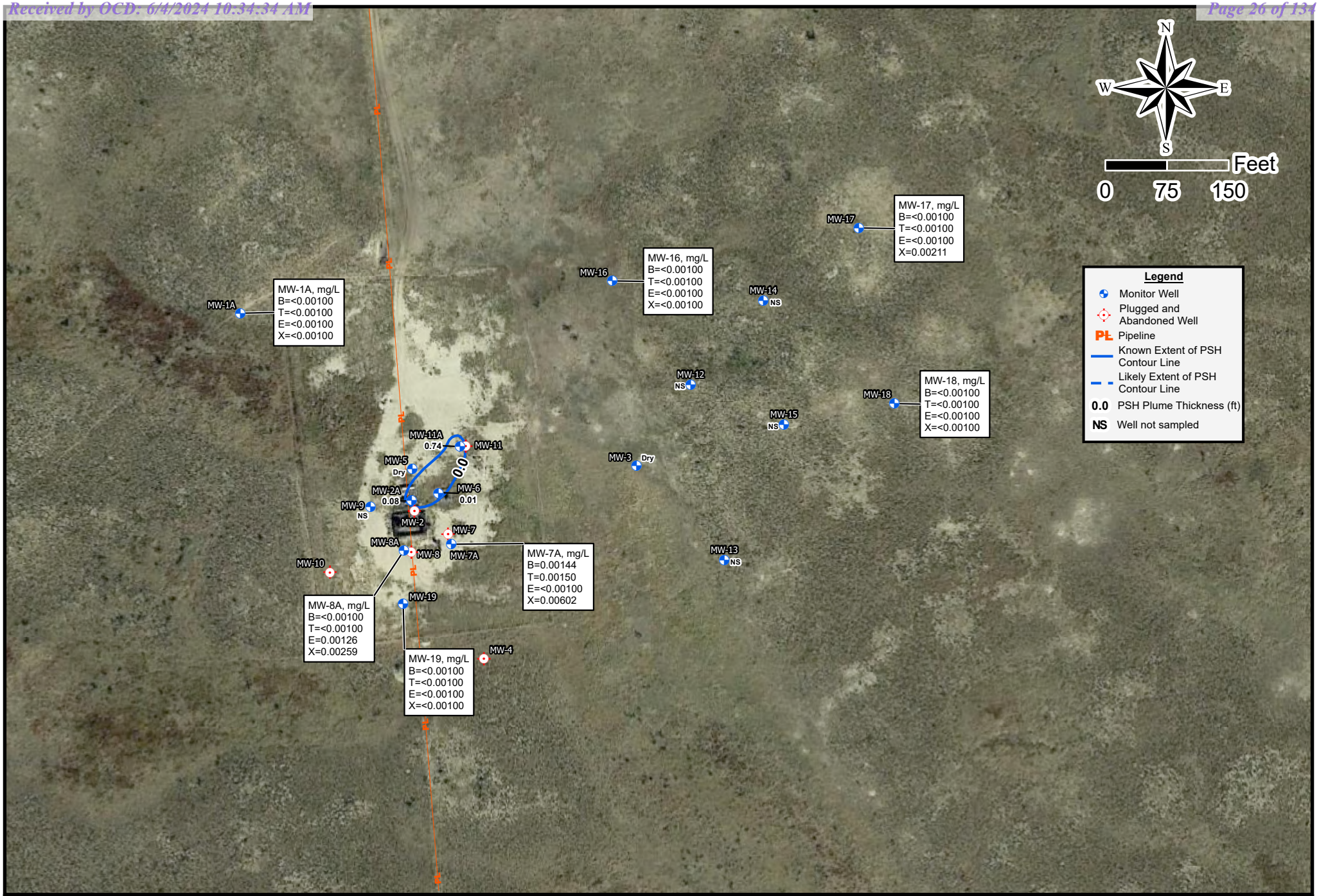


TALON LPE

Drafted: 3/6/2024
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008

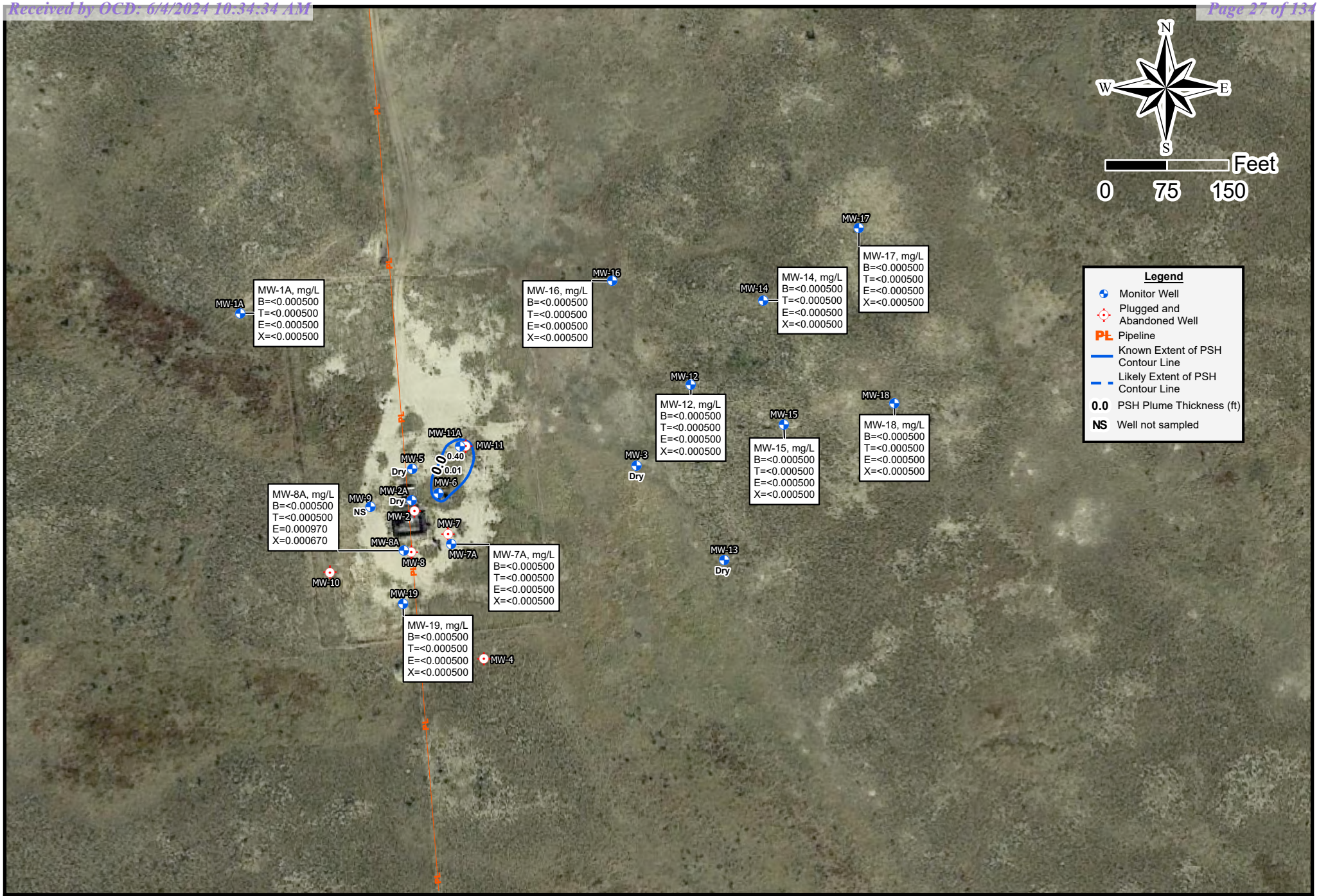
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/03,06-07/2023)



TALON LPE

Drafted: 3/6/2024
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3b - PSH Thickness and Groundwater Concentration Map (06/09,13/2023)



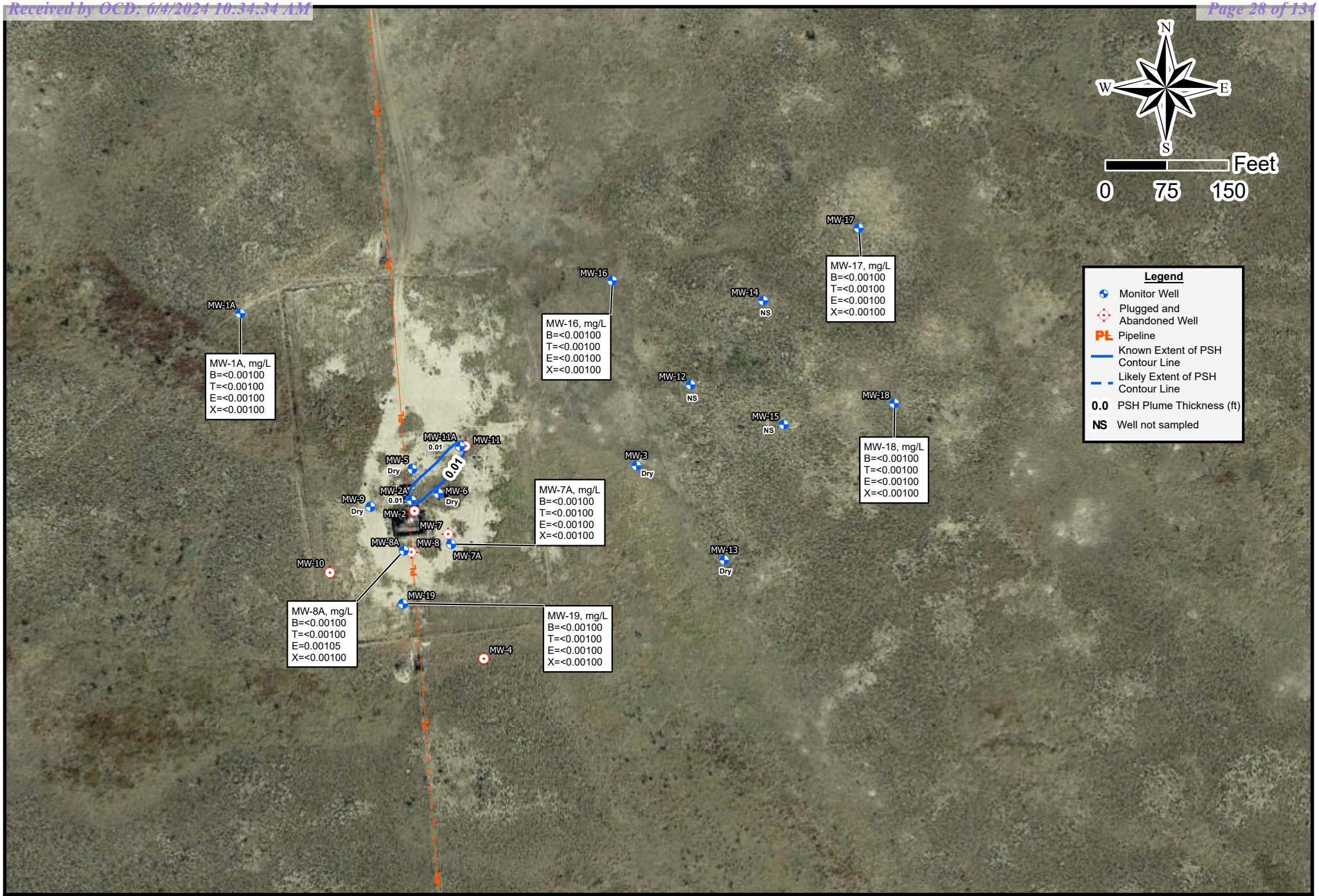
TALON LPE

Drafted: 3/6/2024

1 in = 150 ft

Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3c - PSH Thickness and Groundwater Concentration Map (09/08/2023)



TALON LPE

Drafted: 3/6/2024
1 in = 150 ft
Drafted By: JAI

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3d - PSH Thickness and Groundwater Concentration Map (12/11/2023)

APPENDIX B

Tables

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A	3723.46	55.7	85.7	03/10/2016	60.52	-	-	3662.94
2□				05/27/2016	61.66	-	-	3661.80
				09/09/2016	60.89	-	-	3662.57
				12/06/2016	61.05	-	-	3662.41
				03/06/2017	61.23	-	-	3662.23
				06/08/2017	61.41	-	-	3662.05
				09/12/2017	61.56	-	-	3661.90
				12/13/2017	DS	-	-	-
				03/22/2018	DS	-	-	-
				09/12/2018	62.15	-	-	3661.31
				12/10/2018	62.38	-	-	3661.08
				03/14/2019	62.65	-	-	3660.81
				06/11/2019	62.80	-	-	3660.66
				09/23/2019	63.00	-	-	3660.46
				12/09/2019	63.17	-	-	3660.29
				03/09/2020	63.35	-	-	3660.11
				06/12/2020	63.55	-	-	3659.91
				09/21/2020	DR	-	-	-
				11/30/2020	63.93	-	-	3659.53
				03/22/2021	64.15	-		3659.31
				06/15/2021	64.41	-	-	3659.05
				09/16/2021	64.68	-	-	3658.78
				11/30/2021	68.45	-	-	3655.01
				03/04/2022	65.10	-	-	3658.36
				06/07/2022	66.37	-	-	3657.09
				09/14/2022	65.59	-	-	3657.87
				12/06/2022	65.86	-	-	3657.60
				03/03/2023	66.06	-	-	3657.40
				06/09/2023	66.34	-	-	3657.12
				09/08/2023	66.57	-	-	3656.89
				12/11/2023	66.84	-	-	3656.62
MW-2	3723.32	41	61	03/10/2016	DR	-	-	-
4□				05/27/2016	59.94	-	-	3663.38
				09/09/2016	61.42	60.19	1.23	3662.93
				12/01/2016	DR	-	-	-
				03/06/2017	61.05	60.57	0.48	3662.67
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-2A	3722.25	60	80	09/12/2018	61.32	-	-	3660.93
4□				12/10/2018	61.50	-	-	3660.75
				03/14/2019	61.75	-	-	3660.50
				06/11/2019	61.93	-	-	3660.32
				09/23/2019	62.87	61.90	0.97	3660.19
				12/09/2019	62.30	62.25	0.05	3659.99
				03/09/2020	62.77	62.37	0.40	3659.81
				06/12/2020	63.05	62.63	0.42	3659.55
				09/21/2020	62.83	62.82	0.01	3659.43
				11/30/2020	63.05	63.04	0.01	3659.21
				03/23/2021	63.29	-	-	3658.96
				06/15/2021	63.50	63.49	0.01	3658.76
				09/16/2021	63.78	-	-	3658.47
				12/01/2021	64.06	63.92	0.14	3658.31
				03/04/2022	64.16	64.15	0.01	3658.10
				06/07/2022	64.46	64.45	0.01	3657.80
				09/14/2022	64.87	64.68	0.19	3657.54
				12/06/2022	65.04	64.93	0.11	3657.30
				03/03/2023	65.20	65.15	0.05	3657.09
				06/09/2023	65.47	65.39	0.08	3656.85
				09/08/2023	DR	-	-	-
				12/11/2023	65.93	65.92	0.01	3656.33
MW-3	3721.52	43.4	63.4	03/10/2016	60.06	-	-	3661.46
2□				05/27/2016	60.21	-	-	3661.31
				09/09/2016	60.42	-	-	3661.10
				12/06/2016	60.59	-	-	3660.93
				03/06/2017	60.79	-	-	3660.73
				06/08/2017	60.96	-	-	3660.56
				09/12/2017	61.12	-	-	3660.40
				12/13/2017	63.29	-	-	3658.23
				03/22/2018	61.47	-	-	3660.05
				06/12/2018	61.65	-	-	3659.87
				09/12/2018	61.71	-	-	3659.81
				12/10/2018	61.96	-	-	3659.56
				03/14/2019	62.15	-	-	3659.37
				06/11/2019	62.31	-	-	3659.21
				09/23/2019	62.47	-	-	3659.05
				12/09/2019	62.65	-	-	3658.87
				03/09/2020	62.84	-	-	3658.68
				06/12/2020	63.05	-	-	3658.47
				09/21/2020	63.27	-	-	3658.25
				11/30/2020	DR	-	-	-
				03/22/2021	63.11	-	-	3658.41
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				11/30/2021	DR	-	-	-
				03/04/2022	Dry	-	-	-
				06/07/2022	Dry	-	-	-
				09/14/2022	Dry	-	-	-
				12/06/2022	Dry	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR	-	-	-
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

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-4	3721.94	39.7	59.7	03/10/2016	DR	-	-	-
2□				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-5	3724.08	45	65	03/10/2016	63.87	60.65	3.22	3662.90
4□				05/27/2016	63.78	60.80	2.98	3662.79
				09/09/2016	63.15	61.45	1.70	3662.35
				12/01/2016	62.42	61.62	0.80	3662.33
				03/06/2017	62.59	62.10	0.49	3661.90
				06/08/2017	62.69	62.25	0.44	3661.76
				09/12/2017	63.19	62.40	0.79	3661.55
				12/13/2017	63.10	62.58	0.52	3661.41
				03/22/2018	63.82	62.55	1.27	3661.32
				06/12/2018	63.26	63.10	0.16	3660.95
				09/12/2018	63.14	63.13	0.01	3660.95
				12/10/2018	62.76	62.74	0.02	3661.34
				03/14/2019	63.03	63.00	0.03	3661.08
				06/11/2019	63.16	-	-	3660.92
				09/23/2019	63.33	63.26	0.07	3660.81
				12/09/2019	63.54	63.18	0.36	3660.84
				03/09/2020	63.47	63.33	0.14	3660.73
				06/12/2020	63.51	63.50	0.01	3660.58
				09/21/2020	65.00	63.53	1.47	3660.31
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/04/2022	Dry	-	-	-
				06/07/2022	Dry	-	-	-
				09/14/2022	Dry	-	-	-
				12/06/2022	Dry	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR	-	-	-
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-
MW-6	3722.16	44	64	03/10/2016	63.65	58.85	4.80	3662.52
4□				05/27/2016	61.43	59.53	1.90	3662.32
				09/09/2016	62.35	60.31	2.04	3661.51
				12/01/2016	60.76	60.14	0.62	3661.92
				03/06/2017	60.73	60.38	0.35	3661.72
				06/08/2017	60.85	60.59	0.26	3661.53
				09/12/2017	61.48	60.60	0.88	3661.41
				12/13/2017	61.58	60.78	0.80	3661.25
				03/22/2018	61.43	61.04	0.39	3661.06
				06/12/2018	61.45	61.30	0.15	3660.84
				09/12/2018	61.38	61.32	0.06	3660.83
				12/10/2018	61.53	61.52	0.01	3660.64
				03/14/2019	61.77	61.75	0.02	3660.41
				06/11/2019	61.94	61.92	0.02	3660.24
				09/23/2019	62.20	62.08	0.12	3660.06
				12/09/2019	62.79	62.20	0.59	3659.86
				03/09/2020	62.60	62.43	0.17	3659.70
				06/12/2020	62.73	62.67	0.06	3659.48
				09/21/2020	62.88	62.86	0.02	3659.30
				11/30/2020	63.06	-	-	3659.10
				03/23/2021	63.34	63.31	0.03	3658.85
				06/15/2021	65.52	65.51	0.01	3656.65
				09/16/2021	63.83	63.78	0.05	3658.37
				12/01/2021	64.00	63.98	0.02	3658.18
				03/04/2022	64.20	64.19	0.01	3657.97
				06/07/2022	64.51	64.46	0.05	3657.69
				09/14/2022	64.93	64.69	0.24	3657.43
				12/06/2022	65.01	64.96	0.05	3657.19
				03/03/2023	65.18	65.17	0.01	3656.99
				06/09/2023	65.43	65.42	0.01	3656.74
				09/08/2023	65.65	65.64	0.01	3656.52
				12/11/2023	DR	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

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	3723.23	44	64	03/10/2016	61.50	60.53	0.97	3662.54
4□				05/27/2016	60.93	60.83	0.10	3662.38
				09/09/2016	61.69	61.01	0.68	3662.11
				12/01/2016	62.19	61.09	1.10	3661.96
				03/06/2017	62.30	61.32	0.98	3661.75
				06/08/2017	62.75	61.35	1.40	3661.65
				09/12/2017	62.37	61.65	0.72	3661.46
				12/13/2017	62.73	61.73	1.00	3661.33
				03/22/2018	62.25	62.08	0.17	3661.12
				06/12/2018	62.66	62.24	0.42	3660.92
				08/29/2018	PA	-	-	-
MW-7A	3722.42	60	80	09/12/2018	61.56	-	-	3660.86
2□				12/10/2018	61.72	-	-	3660.70
				03/14/2019	61.98	-	-	3660.44
				06/11/2019	62.15	-	-	3660.27
				09/23/2019	62.31	-	-	3660.11
				12/09/2019	62.50	-	-	3659.92
				03/09/2020	62.68	-	-	3659.74
				06/12/2020	62.85	-	-	3659.57
				09/21/2020	63.07	-	-	3659.35
				11/30/2020	63.29	-	-	3659.13
				03/23/2021	63.51	-	-	3658.91
				06/15/2021	63.73	-	-	3658.69
				09/16/2021	63.99	-	-	3658.43
				12/01/2021	64.16	-	-	3658.26
				03/04/2022	64.39	-	-	3658.03
				06/07/2022	64.66	-	-	3657.76
				09/14/2022	64.94	-	-	3657.48
				12/06/2022	65.17	-	-	3657.25
				03/03/2023	65.37	-	-	3657.05
				06/09/2023	65.63	-	-	3656.79
				09/08/2023	65.87	-	-	3656.55
				12/11/2023	66.15	-	-	3656.27
MW-8	3723.41	41	61	03/10/2016	63.20	60.11	3.09	3662.79
4□				05/27/2016	63.43	60.26	3.17	3662.63
				09/09/2016	61.81	60.47	1.34	3662.72
				12/01/2016	61.63	60.61	1.02	3662.63
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-8A	3723.41	60	80	09/12/2018	62.33	-	-	3661.08
2□				12/10/2018	62.49	-	-	3660.92
				03/14/2019	62.76	-	-	3660.65
				06/11/2019	62.93	-	-	3660.48
				09/23/2019	63.08	-	-	3660.33
				12/09/2019	63.27	-	-	3660.14
				03/09/2020	63.45	-	-	3659.96
				06/12/2020	63.64	-	-	3659.77
				09/21/2020	63.83	-	-	3659.58
				11/30/2020	64.05	-	-	3659.36
				03/22/2021	64.27	-	-	3659.14
				06/15/2021	64.50	-	-	3658.91
				09/16/2021	64.74	-	-	3658.67
				12/01/2021	64.92	-	-	3658.49
				03/04/2022	65.15	-	-	3658.26
				06/07/2022	65.45	-	-	3657.96
				09/14/2022	65.70	-	-	3657.71
				12/06/2022	65.92	-	-	3657.49
				03/03/2023	66.14	-	-	3657.27
				06/09/2023	66.40	-	-	3657.01
				09/08/2023	66.63	-	-	3656.78
				12/11/2023	66.91	-	-	3656.50

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9	3723.25	43	63	03/10/2016	61.95	60.16	1.79	3662.79
4□				05/27/2016	61.35	60.42	0.93	3662.68
				09/09/2016	61.12	60.78	0.34	3662.41
				12/01/2016	61.54	60.91	0.63	3662.24
				03/06/2017	62.00	61.02	0.98	3662.07
				06/08/2017	62.28	60.10	2.18	3662.79
				09/12/2017	61.44	61.39	0.05	3661.85
				12/13/2017	62.15	61.53	0.62	3661.62
				03/22/2018	62.83	61.65	1.18	3661.41
				06/12/2018	62.25	62.20	0.05	3661.04
				09/12/2018	62.05	62.03	0.02	3661.22
				12/10/2018	62.30	62.27	0.03	3660.98
				03/14/2019	62.66	62.45	0.21	3660.77
				06/11/2019	62.61	62.60	0.01	3660.65
				09/23/2019	62.97	62.85	0.12	3660.38
				12/09/2019	63.20	63.04	0.16	3660.18
				03/09/2020	63.35	62.98	0.37	3660.21
				06/12/2020	63.28	63.05	0.23	3660.16
				09/21/2020	63.28	63.15	0.13	3660.08
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	63.29	-	-	3659.96
				12/01/2021	63.31	-	-	3659.94
				03/04/2022	Dry	-	-	-
				06/07/2022	63.13	-	-	3660.12
				09/14/2022	63.20	-	-	3660.05
				12/06/2022	63.23	-	-	3660.02
				03/03/2023	63.23	-	-	3660.02
				06/09/2023	63.31	-	-	3659.94
				09/08/2023	63.37	-	-	3659.88
				12/11/2023	DR	-	-	-
MW-10	3724.14	40.1	60.1	03/10/2016	DR	-	-	-
2□				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-11	3722.55	40.7	60.7	03/10/2016	60.65	59.60	1.05	3662.78
2□				05/27/2016	60.63	59.58	1.05	3662.80
				09/09/2016	60.59	59.81	0.78	3662.61
				12/01/2016	60.64	59.98	0.66	3662.46
				03/06/2017	60.59	60.19	0.40	3662.29
				06/08/2017	60.59	60.30	0.29	3662.20
				09/12/2017	60.60	60.48	0.12	3662.05
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

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-11A 2□	3722.32	60	80	09/12/2018	61.71	-	-	3660.61
				12/10/2018	61.89	-	-	3660.43
				03/14/2019	62.14	-	-	3660.18
				06/11/2019	64.51	61.86	2.65	3660.02
				09/23/2019	66.00	61.78	4.22	3659.84
				12/09/2019	64.25	62.35	1.90	3659.89
				03/09/2020	62.88	62.84	0.04	3659.47
				06/12/2020	64.01	62.84	1.17	3659.29
				09/21/2020	63.87	63.15	0.72	3659.05
				11/30/2020	63.42	-	-	3658.90
				03/22/2021	64.02	63.59	0.43	3658.66
				06/15/2021	63.87	63.86	0.01	3658.46
				09/16/2021	64.43	64.11	0.32	3658.39
				12/01/2021	65.39	65.37	0.02	3657.18
				03/04/2022	64.58	64.57	0.01	3657.98
				06/07/2022	65.08	64.88	0.20	3657.64
				09/14/2022	65.45	65.10	0.35	3657.39
				12/06/2022	65.40	65.39	0.01	3657.16
				03/03/2023	65.93	65.53	0.40	3656.72
				06/09/2023	66.50	65.76	0.74	3656.44
				09/08/2023	66.43	66.03	0.40	3656.22
				12/11/2023	66.37	66.36	0.01	3655.96
MW-12 2□	3724.11	43	73	03/10/2016	63.08	-	-	3661.03
				05/27/2016	63.25	-	-	3660.86
				09/09/2016	63.42	-	-	3660.69
				12/06/2016	63.62	-	-	3660.49
				03/06/2017	63.30	-	-	3660.81
				06/08/2017	63.40	-	-	3660.71
				09/12/2017	64.13	-	-	3659.98
				12/13/2017	64.31	-	-	3659.80
				03/22/2018	61.46	-	-	3662.65
				06/12/2018	64.69	-	-	3659.42
				09/12/2018	64.73	-	-	3659.38
				12/10/2018	65.00	-	-	3659.11
				03/14/2019	65.18	-	-	3658.93
				06/11/2019	65.32	-	-	3658.79
				09/23/2019	65.50	-	-	3658.61
				12/09/2019	65.69	-	-	3658.42
				03/09/2020	65.88	-	-	3658.23
				06/12/2020	66.10	-	-	3658.01
				09/21/2020	66.30	-	-	3657.81
				11/30/2020	66.51	-	-	3657.60
				03/22/2021	66.74	-	-	3657.37
				06/15/2021	66.99	-	-	3657.12
				09/16/2021	67.24	-	-	3656.87
				11/30/2021	67.40	-	-	3656.71
				03/04/2022	67.69	-	-	3656.42
				06/07/2022	67.97	-	-	3656.14
				09/14/2022	68.21	-	-	3655.90
				12/06/2022	65.45	-	-	3658.66
				03/03/2023	68.69	-	-	3655.42
				06/09/2023	68.94	-	-	3655.17
				09/08/2023	69.20	-	-	3654.91
				12/11/2023	69.42	-	-	3654.69
MW-13 2□	3723.19	43	73	03/10/2016	61.96	-	-	3661.23
				05/27/2016	62.10	-	-	3661.09
				09/09/2016	62.31	-	-	3660.88
				12/06/2016	62.47	-	-	3660.72
				03/06/2017	62.68	-	-	3660.51
				06/08/2017	62.85	-	-	3660.34
				09/12/2017	63.01	-	-	3660.18
				12/13/2017	63.19	-	-	3660.00
				03/22/2018	63.36	-	-	3659.83
				06/12/2018	63.60	-	-	3659.59
				09/12/2018	65.60	-	-	3657.59
				12/10/2018	63.57	-	-	3659.62
				03/14/2019	64.04	-	-	3659.15
				06/11/2019	64.17	-	-	3659.02
				09/23/2019	64.37	-	-	3658.82
				12/09/2019	64.54	-	-	3658.65
				03/09/2020	64.74	-	-	3658.45
				06/12/2020	65.00	-	-	3658.19
				09/21/2020	65.16	-	-	3658.03
				11/30/2020	65.35	-	-	3657.84
				03/22/2021	65.59	-	-	3657.60
				06/15/2021	65.83	-	-	3657.36
				09/16/2021	66.08	-	-	3657.11
				11/30/2021	66.25	-	-	3656.94
				03/04/2022	66.52	-	-	3656.67
				06/07/2022	66.80	-	-	3656.39
				09/14/2022	67.05	-	-	3656.14
				12/06/2022	67.25	-	-	3655.94
				03/03/2023	DR	-	-	-
				06/09/2023	67.76	-	-	3655.43
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

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-14	3725.1	62.3	82.3	03/10/2016	64.64	-	-	3660.46
4□				05/27/2016	64.78	-	-	3660.32
				09/09/2016	65.00	-	-	3660.10
				12/06/2016	65.15	-	-	3659.95
				03/06/2017	66.24	-	-	3658.86
				06/08/2017	65.55	-	-	3659.55
				09/12/2017	65.68	-	-	3659.42
				12/13/2017	65.85	-	-	3659.25
				03/22/2018	66.05	-	-	3659.05
				06/12/2018	66.24	-	-	3658.86
				09/12/2018	66.26	-	-	3658.84
				12/10/2018	66.46	-	-	3658.64
				03/14/2019	66.72	-	-	3658.38
				06/11/2019	66.84	-	-	3658.26
				09/23/2019	67.03	-	-	3658.07
				12/09/2019	67.25	-	-	3657.85
				03/09/2020	67.45	-	-	3657.65
				06/12/2020	67.65	-	-	3657.45
				09/21/2020	67.87	-	-	3657.23
				11/30/2020	68.05	-	-	3657.05
				03/22/2021	68.31	-	-	3656.79
				06/15/2021	68.55	-	-	3656.55
				09/16/2021	68.84	-	-	3656.26
				11/30/2021	68.95	-	-	3656.15
				03/04/2022	69.26	-	-	3655.84
				06/07/2022	69.55	-	-	3655.55
				09/14/2022	69.79	-	-	3655.31
				12/06/2022	70.03	-	-	3655.07
				03/03/2023	70.28	-	-	3654.82
				06/09/2023	70.52	-	-	3654.58
				09/08/2023	70.79	-	-	3654.31
				12/11/2023	71.06	-	-	3654.04
MW-15	3726.06	59.2	79.2	03/10/2016	65.40	-	-	3660.66
4□				05/27/2016	65.56	-	-	3660.50
				09/09/2016	65.75	-	-	3660.31
				12/06/2016	65.90	-	-	3660.16
				03/06/2017	66.09	-	-	3659.97
				06/08/2017	66.32	-	-	3659.74
				09/12/2017	66.45	-	-	3659.61
				12/13/2017	66.63	-	-	3659.43
				03/22/2018	66.82	-	-	3659.24
				06/12/2018	67.03	-	-	3659.03
				09/12/2018	67.04	-	-	3659.02
				12/10/2018	67.32	-	-	3658.74
				03/14/2019	67.49	-	-	3658.57
				06/11/2019	67.62	-	-	3658.44
				09/23/2019	67.79	-	-	3658.27
				12/09/2019	68.00	-	-	3658.06
				03/09/2020	68.19	-	-	3657.87
				06/12/2020	68.40	-	-	3657.66
				09/21/2020	68.84	-	-	3657.22
				11/30/2020	68.81	-	-	3657.25
				03/22/2021	69.08	-	-	3656.98
				06/15/2021	68.30	-	-	3657.76
				09/16/2021	69.59	-	-	3656.47
				11/30/2021	69.45	-	-	3656.61
				03/04/2022	70.04	-	-	3656.02
				06/07/2022	70.30	-	-	3655.76
				09/14/2022	70.55	-	-	3655.51
				12/06/2022	70.72	-	-	3655.34
				03/03/2023	71.01	-	-	3655.05
				06/09/2023	71.27	-	-	3654.79
				09/08/2023	71.52	-	-	3654.54
				12/11/2023	71.79	-	-	3654.27
MW-16	3722.32	52.7	82.7	03/10/2016	61.23	-	-	3661.09
2□				05/27/2016	61.39	-	-	3660.93
				09/09/2016	61.60	-	-	3660.72
				12/06/2016	61.74	-	-	3660.58
				03/06/2017	61.95	-	-	3660.37
				06/08/2017	61.13	-	-	3661.19
				09/12/2017	62.27	-	-	3660.05
				12/13/2017	62.43	-	-	3659.89
				03/22/2018	62.63	-	-	3659.69
				06/12/2018	62.81	-	-	3659.51
				09/12/2018	62.89	-	-	3659.43
				12/10/2018	63.07	-	-	3659.25
				03/14/2019	63.32	-	-	3659.00
				06/11/2019	63.45	-	-	3658.87
				09/23/2019	63.64	-	-	3658.68
				12/09/2019	63.81	-	-	3658.51
				03/09/2020	64.02	-	-	3658.30
				06/12/2020	64.25	-	-	3658.07
				09/21/2020	64.44	-	-	3657.88
				11/30/2020	64.64	-	-	3657.68
				03/22/2021	64.87	-	-	3657.45
				06/15/2021	65.13	-	-	3657.19
				09/16/2021	65.38	-	-	3656.94
				11/30/2021	65.55	-	-	3656.77
				03/04/2022	65.83	-	-	3656.49
				06/07/2022	66.10	-	-	3656.22
				09/14/2022	66.36	-	-	3655.96
				12/06/2022	66.60	-	-	3655.72
				03/03/2023	66.83	-	-	3655.49
				06/09/2023	67.09	-	-	3655.23
				09/08/2023	67.33	-	-	3654.99
				12/11/2023	67.61	-	-	3654.71

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□ 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 2□	3725.28	56.6	86.6	03/10/2016	65.55	-	-	3659.73
				05/27/2016	65.69	-	-	3659.59
				09/09/2016	65.90	-	-	3659.38
				12/06/2016	66.05	-	-	3659.23
				03/06/2017	65.35	-	-	3659.93
				06/08/2017	66.44	-	-	3658.84
				09/12/2017	66.56	-	-	3658.72
				12/13/2017	66.75	-	-	3658.53
				03/22/2018	66.95	-	-	3658.33
				06/12/2018	67.11	-	-	3658.17
				09/12/2018	67.16	-	-	3658.12
				12/10/2018	67.45	-	-	3657.83
				03/14/2019	67.82	-	-	3657.46
				06/11/2019	67.75	-	-	3657.53
				09/23/2019	67.93	-	-	3657.35
				12/09/2019	68.13	-	-	3657.15
				03/09/2020	68.35	-	-	3656.93
				06/12/2020	68.53	-	-	3656.75
				09/21/2020	68.76	-	-	3656.52
				11/30/2020	68.96	-	-	3656.32
				03/22/2021	69.25	-	-	3656.03
				06/15/2021	69.47	-	-	3655.81
				09/16/2021	69.75	-	-	3655.53
				11/30/2021	69.90	-	-	3655.38
				03/04/2022	70.22	-	-	3655.06
				06/07/2022	70.51	-	-	3654.77
				09/14/2022	70.73	-	-	3654.55
				12/06/2022	70.97	-	-	3654.31
				03/03/2023	71.22	-	-	3654.06
				06/09/2023	71.49	-	-	3653.79
				09/08/2023	71.74	-	-	3653.54
				12/11/2023	72.03	-	-	3653.25
MW-18 2□	3724.75	55.8	85.8	03/10/2016	64.80	-	-	3659.95
				05/27/2016	64.63	-	-	3660.12
				09/09/2016	65.12	-	-	3659.63
				12/06/2016	65.29	-	-	3659.46
				03/06/2017	65.49	-	-	3659.26
				06/08/2017	65.69	-	-	3659.06
				09/12/2017	65.83	-	-	3658.92
				12/13/2017	66.00	-	-	3658.75
				03/22/2018	66.18	-	-	3658.57
				06/12/2018	66.34	-	-	3658.41
				09/12/2018	66.40	-	-	3658.35
				12/10/2018	66.65	-	-	3658.10
				03/14/2019	66.84	-	-	3657.91
				06/11/2019	67.00	-	-	3657.75
				09/23/2019	67.17	-	-	3657.58
				12/09/2019	67.35	-	-	3657.40
				03/09/2020	67.56	-	-	3657.19
				06/12/2020	67.77	-	-	3656.98
				09/21/2020	68.00	-	-	3656.75
				11/30/2020	68.20	-	-	3656.55
				03/22/2021	68.46	-	-	3656.29
				06/15/2021	68.71	-	-	3656.04
				09/16/2021	68.96	-	-	3655.79
				11/30/2021	69.15	-	-	3655.60
				03/04/2022	69.43	-	-	3655.32
				06/07/2022	69.71	-	-	3655.04
				09/14/2022	69.92	-	-	3654.83
				12/06/2022	70.19	-	-	3654.56
				03/03/2023	70.43	-	-	3654.32
				06/09/2023	70.68	-	-	3654.07
				09/08/2023	70.91	-	-	3653.84
				12/11/2023	71.21	-	-	3653.54
MW-19 2□	3722.8	60	80	09/12/2018	61.58	-	-	3661.22
				12/10/2018	61.74	-	-	3661.06
				03/14/2019	62.02	-	-	3660.78
				06/11/2019	62.13	-	-	3660.67
				09/23/2019	62.34	-	-	3660.46
				12/09/2019	62.50	-	-	3660.30
				03/09/2020	62.68	-	-	3660.12
				06/12/2020	62.87	-	-	3659.93
				09/21/2020	63.09	-	-	3659.71
				11/30/2020	63.28	-	-	3659.52
				03/22/2021	63.51	-	-	3659.29
				06/15/2021	63.75	-	-	3659.05
				09/16/2021	64.00	-	-	3658.80
				12/01/2021	64.19	-	-	3658.61
				03/04/2022	64.40	-	-	3658.40
				06/07/2022	64.70	-	-	3658.10
				09/14/2022	64.96	-	-	3657.84
				12/06/2022	65.16	-	-	3657.64
				03/03/2023	65.38	-	-	3657.42
				06/09/2023	65.63	-	-	3657.17
				09/08/2023	65.87	-	-	3656.93
				12/11/2023	66.14	-	-	3656.66

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
Kimbrough Sweet 8 inch
Lea County, NM
SRS□: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-
MW-1A	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00220	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	0.00609	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00456	<0.00100	<0.000657	<0.000642	0.00456
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000650	<0.000657	<0.000630	0.000650
	03/10/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/06/2023	0.00620	<0.000367 □	<0.000657	0.00162 J	0.00782
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-2A	09/13/2018	**2.41 D**	**0.808 D**	0.233	0.593	4.04
	12/11/2018	**0.924**	0.169	0.0755	0.191	1.36
	03/18/2019	**1.61**	0.341	0.177	0.403	2.53
	06/12/2019	**2.23**	**0.946**	0.260	**0.670**	4.11
	03/24/2021	**0.291**	0.00449	0.0431	0.107	0.446
	09/16/2021	**0.344**	0.0122	0.0824	0.190	0.628
MW-3	03/10/2016	0.00110	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00500	<0.000238	0.000300 J	<0.000243	-
	09/09/2016	0.0018	<0.000621	<0.000763	<0.000256	-
	12/06/2016	**0.0269**	<0.00100	0.00341	<0.000642	-
	03/07/2017	0.0016 J	<0.000367	<0.000657	<0.000630	0.0016
	06/08/2017	**0.0745**	0.00308	0.00441	0.00267	0.0847
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	0.000910 J	<0.000367	<0.000657	<0.000630	0.000910 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MW-6	12/01/2020	**7.89 D**	**0.773 D**	0.350	**0.6770**	9.690
MW-7A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	06/11/2019	<0.000408	<0.000367	<0.000657	0.000630	0.000630
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000880	<0.000657	<0.000630	0.000880
	03/10/2020	0.000440 J	<0.000367	<0.000657	<0.000630	0.000440 J
	06/16/2020	0.000570 J	0.000640 J	<0.000657	<0.000630	0.00121 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/01/2020	0.00103 J	<0.002000	<0.002000	<0.002000	0.001030 J
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	0.00112 J	0.00112 J
	12/01/2021	<0.00200	0.000477 J	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/13/2023	0.00144	0.00150	<0.00100	0.00602	0.00896
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-8A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	0.00752	0.0129	0.00952	0.0234	0.0533
	06/11/2019	0.00108	0.00225	0.00232	0.00776	0.0134
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	0.000470	0.00159	0.00360	0.00478	0.0104
	03/09/2020	0.000760 J	0.000380 J	0.00150 J	0.00102 J	0.00366
	06/16/2020	0.00102 J	0.000640 J	<0.000657	<0.000630	0.00166 J
	09/23/2020	0.00119 J	<0.000367	0.000730 J	0.00126 J	0.00318
	12/01/2020	0.000780 J	0.000740 J	<0.002000	<0.002000	0.001520 J
	03/24/2021	<0.00200	<0.00200	0.000829 J	0.00132 J	0.00215
	06/18/2021	<0.00200	<0.00200	0.000987 J	0.00315 J	0.00414
	09/16/2021	0.000542 J	<0.00200	<0.00200	0.00472	0.00526
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	0.00108 J	0.00108 J
	06/07/2022	<0.000408	<0.000367	<0.000657	0.00114 J	0.00114 J
	09/16/2022	0.000427 J	0.000409 J	0.00193 J	0.00344 J	0.00621
	12/06/2022	0.000657 J	0.000378 J	0.00280	0.00683	0.0107
	03/07/2023	<0.000408	0.00107 J	0.00155 J	0.00741	0.0100
	06/13/2023	<0.00100	<0.00100	0.00126	0.00259	0.00438
	09/08/2023	<0.000500	<0.000500	0.000970 J	0.000670 J	0.00164
	12/11/2023	<0.00100	<0.00100	0.00105	<0.00100	0.00105
MW-11A	09/13/2018	**0.215**	<0.000367	0.00629	0.0840	0.305
	12/11/2018	**0.505**	<0.002560	0.0450	0.0355	0.586
	03/18/2019	**2.08**	0.00115	0.366	0.189	2.64
	11/30/2020	**2.49 D**	0.000690 J	**0.878 D**	0.5008	3.869
MW-12	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00130	<0.000238	0.000400 J	0.000300 J	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.0016 J	<0.00100	<0.000657	<0.000642	0.0016 J
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	0.00176 J	<0.000367	<0.000657	<0.000630	0.00176 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000510	<0.000657	<0.000630	0.000510
	03/10/2020	0.000550 J	<0.000367	<0.000657	<0.000630	0.000550 J
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/23/2020	0.00171 J	<0.000367	<0.000657	<0.000630	0.00171 J
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/26/2021	0.000842 J	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.0200	<0.0200	<0.0200	<0.0400	<0.0400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/06/2023	**0.0148**	<0.000367 □	<0.000657	0.00231 J	0.0171
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
MW-13	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00190	<0.000238	0.000400 J	0.000300 J	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00985	<0.00100	<0.000657	<0.000642	0.00985
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000450	<0.000657	<0.000630	0.000450
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-14	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000760 J	<0.000657	<0.000630	0.000760 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.000570	<0.0005	<0.0005	<0.0005	0.000570
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	0.000670 J	<0.000657	<0.000630	0.000670 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
MW-15	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.0014	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	0.000850	<0.000367	<0.000657	<0.00063	0.000850
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	0.000400 J	<0.000657	<0.000630	0.000400 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-16	03/10/2016	<0.000223	0.000300 J	<0.000238	<0.000243	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-
	09/09/2016	0.000700 J	<0.000621	<0.000763	<0.000256	-
	12/06/2016	0.00268	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00135 J	<0.00100	<0.000657	<0.000642	0.00135 J
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000740 J	<0.000657	<0.000630	0.000740 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.00249	<0.0005	0.000550	<0.0005	0.00304
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000490	<0.000657	<0.000630	0.000490
	03/10/2020	0.000490 J	<0.000367	<0.000657	<0.000630	0.000490 J
	06/15/2020	<0.000408	0.000600 J	<0.000657	<0.000630	0.000600 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/06/2023	0.000509 J	<0.000367 □	<0.000657	0.00162 J	0.00213 J
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	03/10/2016	<0.000223	0.000500 J	<0.000238	<0.000243	-
	05/27/2016	0.0016	<0.000238	0.000300 J	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00466	<0.00100	<0.000657	<0.000642	0.00466
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.000780	<0.0005	<0.0005	<0.0005	0.000780
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000470	<0.000657	<0.000630	0.00047
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000 X	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	0.000404 J	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	0.000972 J	<0.00400	0.000972 J
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/06/2023	0.00108 J	<0.000367 □	<0.000657	0.00159 J	0.00267 J
	06/13/2023	<0.00100	<0.00100	<0.00100	0.00211	0.00262
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS□: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-18	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.0016	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000710 J	<0.000657	<0.000630	0.000710 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000380	<0.000657	<0.000630	0.000380
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	0.000530 J	0.000560 J	<0.000657	<0.000630	0.001090 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	0.00127 J	<0.00400	0.00127 J
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/06/2023	0.00298	<0.000367 □	<0.000657	0.00159 J	0.00457
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-19	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/15/2019	0.00123	0.00490	0.00227	0.00763	0.0160
	06/11/2019	0.000690	<0.000367	<0.000657	<0.00063	0.000690
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000610	<0.000657	<0.000630	0.000610
	03/09/2020	0.000530 J	<0.000367	<0.000657	<0.000630	0.000530 J
	06/16/2020	<0.000408	0.000460 J	<0.000657	<0.000630	0.000460 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/01/2020	**0.0132**	<0.002000	0.00315	0.002650	0.01900
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

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

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater Standards

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
Kimbrough Sweet 8 inch
Lea County, NM
SRS□2000-10757

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)
NMWQCC - Groundwater Standards		-	-	-	-	0.0007	-	-	-	-	-	-	-	-	-	0.030	-
MW-1A	03/10/2016	<0.0000365	<0.0000638	<0.0000353	<0.0000792	<0.0000459	<0.0000780	<0.0000570	<0.0000616	<0.0000891	<0.0000618	<0.0000667	<0.0000701	<0.0000866	<0.0000590	<0.0000721	<0.0000567
MW-2A	03/18/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000458	<0.0000090	0.000246	<0.0000049	0.00493	0.000101
	03/24/2021	<0.000194	<0.000194 □	<0.000194 □	<0.000194	<0.000194 □	<0.000194 □	<0.000194 □	<0.000194 □	<0.000194	<0.000194 □	0.000363 □	<0.000194	0.000206	<0.000194 □	0.00464 □	0.000206
MW-7A	03/15/2019	<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	0.000114	<0.0000056
	03/10/2020	<0.000116	<0.0000980	<0.000101	<0.000156	<0.0000664	<0.0000827	<0.000132 L	<0.000135	<0.000182	<0.0000884	-	<0.000183	<0.000117	<0.000106	<0.000113	<0.0000990
	03/07/2022	<0.0000986	<0.0000830	<0.0000887	<0.000132	<0.0000563	<0.0000690	<0.000111	<0.000114	<0.000154	<0.0000749	<0.0000986	<0.000155	<0.0000996	<0.0000900	<0.0000958	<0.0000838
	03/07/2023	<0.0000995	<0.0000837	<0.0000895	<0.000133	<0.0000568	<0.0000696	<0.000112	<0.000115	<0.000155	<0.0000756	<0.0000995	<0.000156	<0.000100	<0.0000908	<0.0000967	<0.0000845
MW-8A	03/15/2019	<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	0.0000310	<0.0000055
	03/09/2020	<0.000107	<0.0000903	<0.0000930	<0.000144	<0.0000612	<0.0000763	<0.000122 L	<0.000125	<0.000168	<0.0000816	-	<0.000169	<0.000108	<0.0000980	<0.000104	<0.0000913
	03/07/2022	<0.0000993	<0.0000836	<0.0000894	<0.000133	<0.0000567	<0.0000695	<0.000112	<0.000115	<0.000155	<0.0000755	<0.0000993	<0.000156	<0.000100	<0.0000906	<0.0000965	<0.0000844
	03/07/2023	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.000155	<0.0000999	<0.0000903	<0.0000962	<0.0000841
MW-11A	03/18/2019	0.000112	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000527	<0.0000090	0.000180	<0.0000049	0.00669	0.000149
MW-12	03/22/2018	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112
	03/18/2019	<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	0.0000651	<0.0000055
	03/10/2020	<0.000101	<0.0000852	<0.0000876	<0.000136	<0.0000577	<0.0000719	<0.000115 L	<0.000118	<0.000158	<0.0000769	-	<0.000159	<0.000102	<0.0000924	<0.0000984	<0.0000860
MW-16	03/10/2016	<0.0000350	<0.0000612	<0.0000338	<0.0000759	<0.0000440	<0.0000748	<0.0000546	<0.0000591	<0.0000854	<0.0000592	<0.0000639	<0.0000672	<0.0000830	<0.0000565	<0.0000691	<0.0000543
	03/22/2018	<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
	03/18/2019	<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	0.0000557	<0.0000055
	03/10/2020	<0.000108	<0.0000913	<0.0000939	<0.000146	<0.0000619	<0.0000771	<0.000123 L	<0.000126	<0.000169	<0.0000824	-	<0.000170	<0.000109	<0.0000990	<0.000105	<0.0000922
MW-17	03/10/2016	<0.0000357	<0.0000624	<0.0000345	<0.0000775	<0.0000449	<0.0000763	<0.0000558	<0.0000603	<0.0000872	<0.0000604	<0.0000652	<0.0000686	<0.0000847	<0.0000577	<0.0000705	<0.0000555
	03/22/2018	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109
	03/18/2019	<0.0000042	<0.0000075	<0.0000077	<0.0000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	<0.0000054	<0.0000091	<0.0000056	<0.0000050	0.0000363	<0.0000056
	03/10/2020	<0.000105	<0.0000886	<0.0000911	<0.000141	<0.0000600	<0.0000748	<0.000119 L	<0.000122	<0.000164	<0.0000800	-	<0.000165	<0.000106	<0.0000961	<0.000102	<0.0000895
MW-18	03/10/2016	<0.0000373	<0.0000653	<0.0000361	<0.0000810	<0.0000470	<0.0000798	<0.0000583	<0.0000630	<0.0000912	<0.0000632	<0.0000682	<0.0000717	<0.0000886	<0.0000604	<0.0000737	<0.0000580
	03/22/2018	<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
	03/18/2019	<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
MW-19	03/15/2019	<0.00000410	<0.00000740	<0.00000740	<0.00000640	<0.00000970	<0.00000920	<0.00000800	<0.00000790	<0.00000890	<0.00000500	0.000146	<0.00000910	0.000235	<0.00000500	0.000585	0.000323
	03/09/2020	<0.000110	<0.0000923	<0.0000950	<0.000148	<0.0000626	<0.0000780	<0.000124 L	<0.000127	<0.000171	<0.0000834	-	<0.000172	<0.000111	<0.000100	<0.000107	<0.0000933
	03/07/2022	<0.000100	<0.0000844	<0.0000902	<0.000134	<0.0000572	<0.0000701	<0.000113	<0.000116	<0.000156	<0.0000761	<0.000100	<0.000157	<0.000101	<0.0000915	<0.0000974	<0.0000852
	03/07/2023	<0.0000984	<0.0000828	<0.0000886	<0.000132	<0.0000562	<0.0000689	<0.000111	<0.000114	<0.000153	<0.0000748	<0.0000984	<0.000154	<0.0000994	<0.0000898	<0.0000956	<0.0000836

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

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standards

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
Kimbrough Sweet 8 inch
Lea County, NM
SRS□2000-10757

Pyrene (mg/L)
-
<0.0000456
<0.0000092
<0.000194 □
<0.0000093
<0.000152
<0.000128
<0.000129
<0.0000092
<0.000140
<0.000129
<0.000129
<0.0000092
<0.000112
<0.0000092
<0.000132
<0.0000437
<0.000111
<0.0000092
<0.000141
<0.0000446
<0.000109
<0.0000094
<0.000137
<0.0000466
<0.000111
<0.0000092
<0.00000930
<0.000143
<0.000130
<0.000128

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

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eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Kimbrough
SDG NUMBER Lea County

JOB NUMBER

890-4239-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

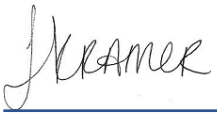
my EOL

Eurofins Carlsbad

Job Notes

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

Authorization



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

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-4239-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Job ID: 890-4239-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4239-1

Receipt
The samples were received on 3/6/2023 1:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 14.0°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with analytical batch 880-48575 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48575/70). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48575/39). Evidence of matrix interferences is not obvious.

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

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Client Sample ID: MW-12

Lab Sample ID: 890-4239-1
Matrix: Water
Date Collected: 03/06/23 10:00
Date Received: 03/06/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0148**		0.00200	0.000408	mg/L			03/16/23 03:01	1
Toluene	<0.000367	U *-	0.00200	0.000367	mg/L			03/16/23 03:01	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 03:01	1
m-Xylene & p-Xylene	**0.00159**	**J**	0.00400	0.000629	mg/L			03/16/23 03:01	1
o-Xylene	**0.000717**	**J**	0.00200	0.000642	mg/L			03/16/23 03:01	1
Xylenes, Total	**0.00231**	**J**	0.00400	0.000642	mg/L			03/16/23 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/16/23 03:01*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*		*03/16/23 03:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0171**		0.00400	0.000657	mg/L			03/16/23 15:43	1

Client Sample ID: MW-1A

Lab Sample ID: 890-4239-2
Matrix: Water
Date Collected: 03/06/23 10:15
Date Received: 03/06/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00620**		0.00200	0.000408	mg/L			03/16/23 03:27	1
Toluene	<0.000367	U *-	0.00200	0.000367	mg/L			03/16/23 03:27	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 03:27	1
m-Xylene & p-Xylene	**0.00162**	**J**	0.00400	0.000629	mg/L			03/16/23 03:27	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 03:27	1
Xylenes, Total	**0.00162**	**J**	0.00400	0.000642	mg/L			03/16/23 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*03/16/23 03:27*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*03/16/23 03:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00782**		0.00400	0.000657	mg/L			03/16/23 15:43	1

Client Sample ID: MW-16

Lab Sample ID: 890-4239-3
Matrix: Water
Date Collected: 03/06/23 10:28
Date Received: 03/06/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000509**	**J**	0.00200	0.000408	mg/L			03/16/23 03:53	1
Toluene	<0.000367	U *-	0.00200	0.000367	mg/L			03/16/23 03:53	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 03:53	1
m-Xylene & p-Xylene	**0.00162**	**J**	0.00400	0.000629	mg/L			03/16/23 03:53	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 03:53	1
Xylenes, Total	**0.00162**	**J**	0.00400	0.000642	mg/L			03/16/23 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*03/16/23 03:53*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*		*03/16/23 03:53*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Client Sample ID: MW-16

Lab Sample ID: 890-4239-3
Matrix: Water
Date Collected: 03/06/23 10:28
Date Received: 03/06/23 13:45

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00213**	**J**	0.00400	0.000657	mg/L			03/16/23 15:43	1

Client Sample ID: MW-18

Lab Sample ID: 890-4239-4
Matrix: Water
Date Collected: 03/06/23 11:00
Date Received: 03/06/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00298**		0.00200	0.000408	mg/L			03/16/23 04:19	1
Toluene	<0.000367	U *-	0.00200	0.000367	mg/L			03/16/23 04:19	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 04:19	1
m-Xylene & p-Xylene	**0.00159**	**J**	0.00400	0.000629	mg/L			03/16/23 04:19	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 04:19	1
Xylenes, Total	**0.00159**	**J**	0.00400	0.000642	mg/L			03/16/23 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*03/16/23 04:19*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*		*03/16/23 04:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00457**		0.00400	0.000657	mg/L			03/16/23 15:43	1

Client Sample ID: MW-17

Lab Sample ID: 890-4239-5
Matrix: Water
Date Collected: 03/06/23 11:45
Date Received: 03/06/23 13:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00108**	**J**	0.00200	0.000408	mg/L			03/16/23 04:45	1
Toluene	<0.000367	U *-	0.00200	0.000367	mg/L			03/16/23 04:45	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 04:45	1
m-Xylene & p-Xylene	**0.00159**	**J**	0.00400	0.000629	mg/L			03/16/23 04:45	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 04:45	1
Xylenes, Total	**0.00159**	**J**	0.00400	0.000642	mg/L			03/16/23 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/16/23 04:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*03/16/23 04:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00267**	**J**	0.00400	0.000657	mg/L			03/16/23 15:43	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-4226-A-14 MS	Matrix Spike	106	101										
890-4226-A-14 MSD	Matrix Spike Duplicate	107	113										
890-4239-1	MW-12	114	80										
890-4239-2	MW-1A	109	94										
890-4239-3	MW-16	115	85										
890-4239-4	MW-18	104	93										
890-4239-5	MW-17	105	94										
LCS 880-48575/65	Lab Control Sample	112	105										
LCSD 880-48575/66	Lab Control Sample Dup	121	86										
MB 880-48575/39	Method Blank	65 S1-	89										
MB 880-48575/70	Method Blank	65 S1-	86										

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48575/39
Matrix: Water
Analysis Batch: 48575

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/15/23 05:03	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/23 05:03	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/23 05:03	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/23 05:03	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/23 05:03	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/23 05:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*		*03/15/23 05:03*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*03/15/23 05:03*	*1*

Lab Sample ID: MB 880-48575/70
Matrix: Water
Analysis Batch: 48575

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/15/23 19:37	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/15/23 19:37	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/15/23 19:37	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/15/23 19:37	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/15/23 19:37	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/15/23 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*		*03/15/23 19:37*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*03/15/23 19:37*	*1*

Lab Sample ID: LCS 880-48575/65
Matrix: Water
Analysis Batch: 48575

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07557		mg/L		76	70 - 130
Toluene	0.100	0.06835	*-	mg/L		68	70 - 130
Ethylbenzene	0.100	0.07543		mg/L		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1592		mg/L		80	70 - 130
o-Xylene	0.100	0.07871		mg/L		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-48575/66
Matrix: Water
Analysis Batch: 48575

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07670		mg/L		77	70 - 130	1	20

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

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

Lab Sample ID: LCSD 880-48575/66
Matrix: Water
Analysis Batch: 48575

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.07333		mg/L		73	70 - 130	7	20
Ethylbenzene			0.100	0.08013		mg/L		80	70 - 130	6	20
m-Xylene & p-Xylene			0.200	0.1682		mg/L		84	70 - 130	5	20
o-Xylene			0.100	0.08246		mg/L		82	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: 890-4226-A-14 MS
Matrix: Water
Analysis Batch: 48575

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000408	U	0.100	0.09496		mg/L		95	70 - 130
Toluene	<0.000367	U *-	0.100	0.08686		mg/L		87	70 - 130
Ethylbenzene	0.00352		0.100	0.09488		mg/L		91	70 - 130
m-Xylene & p-Xylene	0.00181	J	0.200	0.1934		mg/L		96	70 - 130
o-Xylene	<0.000642	U	0.100	0.09375		mg/L		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-4226-A-14 MSD
Matrix: Water
Analysis Batch: 48575

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000408	U	0.100	0.1063		mg/L		106	70 - 130	11	25
Toluene	<0.000367	U *-	0.100	0.08873		mg/L		89	70 - 130	2	25
Ethylbenzene	0.00352		0.100	0.09845		mg/L		95	70 - 130	4	25
m-Xylene & p-Xylene	0.00181	J	0.200	0.2005		mg/L		99	70 - 130	4	25
o-Xylene	<0.000642	U	0.100	0.09727		mg/L		97	70 - 130	4	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

GC VOA

Analysis Batch: 48575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4239-1	MW-12	Total/NA	Water	8021B	
890-4239-2	MW-1A	Total/NA	Water	8021B	
890-4239-3	MW-16	Total/NA	Water	8021B	
890-4239-4	MW-18	Total/NA	Water	8021B	
890-4239-5	MW-17	Total/NA	Water	8021B	
MB 880-48575/39	Method Blank	Total/NA	Water	8021B	
MB 880-48575/70	Method Blank	Total/NA	Water	8021B	
LCS 880-48575/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-48575/66	Lab Control Sample Dup	Total/NA	Water	8021B	
890-4226-A-14 MS	Matrix Spike	Total/NA	Water	8021B	
890-4226-A-14 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 48786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4239-1	MW-12	Total/NA	Water	Total BTEX	
890-4239-2	MW-1A	Total/NA	Water	Total BTEX	
890-4239-3	MW-16	Total/NA	Water	Total BTEX	
890-4239-4	MW-18	Total/NA	Water	Total BTEX	
890-4239-5	MW-17	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Client Sample ID: MW-12
Date Collected: 03/06/23 10:00
Date Received: 03/06/23 13:45

Lab Sample ID: 890-4239-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48575	03/16/23 03:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48786	03/16/23 15:43	AJ	EET MID

Client Sample ID: MW-1A
Date Collected: 03/06/23 10:15
Date Received: 03/06/23 13:45

Lab Sample ID: 890-4239-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48575	03/16/23 03:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48786	03/16/23 15:43	AJ	EET MID

Client Sample ID: MW-16
Date Collected: 03/06/23 10:28
Date Received: 03/06/23 13:45

Lab Sample ID: 890-4239-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48575	03/16/23 03:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48786	03/16/23 15:43	AJ	EET MID

Client Sample ID: MW-18
Date Collected: 03/06/23 11:00
Date Received: 03/06/23 13:45

Lab Sample ID: 890-4239-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48575	03/16/23 04:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48786	03/16/23 15:43	AJ	EET MID

Client Sample ID: MW-17
Date Collected: 03/06/23 11:45
Date Received: 03/06/23 13:45

Lab Sample ID: 890-4239-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48575	03/16/23 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48786	03/16/23 15:43	AJ	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

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

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4239-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4239-1	MW-12	Water	03/06/23 10:00	03/06/23 13:45
890-4239-2	MW-1A	Water	03/06/23 10:15	03/06/23 13:45
890-4239-3	MW-16	Water	03/06/23 10:28	03/06/23 13:45
890-4239-4	MW-18	Water	03/06/23 11:00	03/06/23 13:45
890-4239-5	MW-17	Water	03/06/23 11:45	03/06/23 13:45

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	Attn: Camille Bryant
Address:	408 Texas St.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2000-10757
Phone:	575-441-4835	Email:	dadkins@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

Project Name:	Kimbrough	Turn Around	☑ Routine ☐ Rush
Project Number:		Pres. Code	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, N. Rose	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2000-10757		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	WM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	14.2	
Total Containers:		Corrected Temperature:	14.0	

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B (Parameters)
MW-12	GW	3/6/23	10:00	N/A		3	X
MW-1A	"	"	10:15	"		"	"
MW-16	"	"	10:28	"		"	"
MW-18	"	"	11:00	"		"	"
MW-17	"	"	11:45	"		"	"

890-4239 Chain of Custody

Sample Comments

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

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Cloe Cisp	3.6.23 1345			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-1162 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica Kramer@et.eurofinsus com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-4239-1
Address: 1211 W Florida Ave	Due Date Requested: 3/10/2023			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Kimbrough	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MW-12 (890-4239-1)	3/6/23	10 00 Mountain		Water			X	X	3	
MW-1A (890-4239-2)	3/6/23	10 15 Mountain		Water			X	X	3	
MW-16 (890-4239-3)	3/6/23	10 28 Mountain		Water			X	X	3	
MW-18 (890-4239-4)	3/6/23	11 00 Mountain		Water			X	X	3	
MW-17 (890-4239-5)	3/6/23	11 45 Mountain		Water			X	X	3	

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

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

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4239-1
SDG Number: Lea County

Login Number: 4239
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4239-1
SDG Number: Lea County

Login Number: 4239
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 03/07/23 11:18 AM

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/19/2023 5:18:27 PM

JOB DESCRIPTION

Kimbrough
SDG NUMBER Lea County

JOB NUMBER

890-4246-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

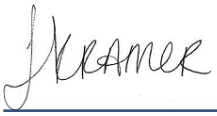
my EOL

Eurofins Carlsbad

Job Notes

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

Authorization



Generated
3/19/2023 5:18:27 PM

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

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-4246-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

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

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Job ID: 890-4246-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-4246-1

Receipt
The samples were received on 3/7/2023 1:49 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.6°C

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MW-8A (890-4246-1), MW-19 (890-4246-2), MW-14 (890-4246-3), MW-7A (890-4246-4) and MW-15 (890-4246-5). The container labels list <SAMPLE_ID>, while the COC lists <SAMPLEID>. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.

890-4246
Samples labeled MW19 at 11:19 Should be labeled MW14

GC/MS Semi VOA
Method 8270D_SIM: The method blank for preparation batch 860-93710 and analytical batch 860-93773 contained Dibenz(a,h)anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Acenaphthylene, Anthracene, Indeno[1,2,3-cd]pyrene and Phenanthrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) and was not detected in affected samples; therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-48641/8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Client Sample ID: MW-8A

Date Collected: 03/07/23 10:15
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000989	U	0.000180	0.0000989	mg/L		03/10/23 18:48	03/13/23 14:10	1
Acenaphthylene	<0.0000833	U	0.000180	0.0000833	mg/L		03/10/23 18:48	03/13/23 14:10	1
Anthracene	<0.0000890	U	0.000180	0.0000890	mg/L		03/10/23 18:48	03/13/23 14:10	1
Benzo[a]anthracene	<0.000133	U	0.000180	0.000133	mg/L		03/10/23 18:48	03/13/23 14:10	1
Benzo[a]pyrene	<0.0000565	U	0.000180	0.0000565	mg/L		03/10/23 18:48	03/13/23 14:10	1
Benzo[b]fluoranthene	<0.0000692	U	0.000180	0.0000692	mg/L		03/10/23 18:48	03/13/23 14:10	1
Benzo[g,h,i]perylene	<0.000112	U	0.000180	0.000112	mg/L		03/10/23 18:48	03/13/23 14:10	1
Benzo[k]fluoranthene	<0.000115	U	0.000180	0.000115	mg/L		03/10/23 18:48	03/13/23 14:10	1
Chrysene	<0.000154	U	0.000180	0.000154	mg/L		03/10/23 18:48	03/13/23 14:10	1
Dibenz(a,h)anthracene	<0.0000752	U	0.000180	0.0000752	mg/L		03/10/23 18:48	03/13/23 14:10	1
Dibenzofuran	<0.0000989	U	0.000180	0.0000989	mg/L		03/10/23 18:48	03/13/23 14:10	1
Fluoranthene	<0.000155	U	0.000180	0.000155	mg/L		03/10/23 18:48	03/13/23 14:10	1
Fluorene	<0.0000999	U	0.000180	0.0000999	mg/L		03/10/23 18:48	03/13/23 14:10	1
Indeno[1,2,3-cd]pyrene	<0.0000903	U	0.000180	0.0000903	mg/L		03/10/23 18:48	03/13/23 14:10	1
Naphthalene	<0.0000962	U	0.00360	0.0000962	mg/L		03/10/23 18:48	03/13/23 14:10	1
Phenanthrene	<0.0000841	U	0.000180	0.0000841	mg/L		03/10/23 18:48	03/13/23 14:10	1
Pyrene	<0.000129	U	0.000180	0.000129	mg/L		03/10/23 18:48	03/13/23 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*54 - 146*	*03/10/23 18:48*	*03/13/23 14:10*	*1*
Nitrobenzene-d5	*110*		*46 - 151*	*03/10/23 18:48*	*03/13/23 14:10*	*1*
p-Terphenyl-d14	*112*		*51 - 139*	*03/10/23 18:48*	*03/13/23 14:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 18:04	1
Toluene	**0.00107**	**J**	0.00200	0.000367	mg/L			03/16/23 18:04	1
Ethylbenzene	**0.00155**	**J**	0.00200	0.000657	mg/L			03/16/23 18:04	1
m-Xylene & p-Xylene	**0.00566**		0.00400	0.000629	mg/L			03/16/23 18:04	1
o-Xylene	**0.00175**	**J**	0.00200	0.000642	mg/L			03/16/23 18:04	1
Xylenes, Total	**0.00741**		0.00400	0.000642	mg/L			03/16/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*03/16/23 18:04*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*		*03/16/23 18:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0100**		0.00400	0.000657	mg/L			03/19/23 17:50	1

Client Sample ID: MW-19

Date Collected: 03/07/23 10:22
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000984	U	0.000179	0.0000984	mg/L		03/10/23 18:48	03/13/23 14:29	1
Acenaphthylene	<0.0000828	U	0.000179	0.0000828	mg/L		03/10/23 18:48	03/13/23 14:29	1
Anthracene	<0.0000886	U	0.000179	0.0000886	mg/L		03/10/23 18:48	03/13/23 14:29	1
Benzo[a]anthracene	<0.000132	U	0.000179	0.000132	mg/L		03/10/23 18:48	03/13/23 14:29	1
Benzo[a]pyrene	<0.0000562	U	0.000179	0.0000562	mg/L		03/10/23 18:48	03/13/23 14:29	1

Eurofins Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Client Sample ID: MW-19

Date Collected: 03/07/23 10:22
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	<0.0000689	U	0.000179	0.0000689	mg/L		03/10/23 18:48	03/13/23 14:29	1
Benzo[g,h,i]perylene	<0.000111	U	0.000179	0.000111	mg/L		03/10/23 18:48	03/13/23 14:29	1
Benzo[k]fluoranthene	<0.000114	U	0.000179	0.000114	mg/L		03/10/23 18:48	03/13/23 14:29	1
Chrysene	<0.000153	U	0.000179	0.000153	mg/L		03/10/23 18:48	03/13/23 14:29	1
Dibenz(a,h)anthracene	<0.0000748	U	0.000179	0.0000748	mg/L		03/10/23 18:48	03/13/23 14:29	1
Dibenzofuran	<0.0000984	U	0.000179	0.0000984	mg/L		03/10/23 18:48	03/13/23 14:29	1
Fluoranthene	<0.000154	U	0.000179	0.000154	mg/L		03/10/23 18:48	03/13/23 14:29	1
Fluorene	<0.0000994	U	0.000179	0.0000994	mg/L		03/10/23 18:48	03/13/23 14:29	1
Indeno[1,2,3-cd]pyrene	<0.0000898	U	0.000179	0.0000898	mg/L		03/10/23 18:48	03/13/23 14:29	1
Naphthalene	<0.0000956	U	0.00358	0.0000956	mg/L		03/10/23 18:48	03/13/23 14:29	1
Phenanthrene	<0.0000836	U	0.000179	0.0000836	mg/L		03/10/23 18:48	03/13/23 14:29	1
Pyrene	<0.000128	U	0.000179	0.000128	mg/L		03/10/23 18:48	03/13/23 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*114*		*54 - 146*	*03/10/23 18:48*	*03/13/23 14:29*	*1*
Nitrobenzene-d5	*106*		*46 - 151*	*03/10/23 18:48*	*03/13/23 14:29*	*1*
p-Terphenyl-d14	*64*		*51 - 139*	*03/10/23 18:48*	*03/13/23 14:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 18:30	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/23 18:30	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 18:30	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/23 18:30	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 18:30	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*		*03/16/23 18:30*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*03/16/23 18:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/19/23 17:50	1

Client Sample ID: MW-14

Date Collected: 03/07/23 11:19
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 18:56	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/23 18:56	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 18:56	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/23 18:56	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 18:56	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/16/23 18:56*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*03/16/23 18:56*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Client Sample ID: MW-14

Date Collected: 03/07/23 11:19
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-3
Matrix: Water

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/19/23 17:50	1

Client Sample ID: MW-7A

Date Collected: 03/07/23 11:57
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0000995	U	0.000181	0.0000995	mg/L		03/10/23 18:48	03/13/23 14:47	1
Acenaphthylene	<0.0000837	U	0.000181	0.0000837	mg/L		03/10/23 18:48	03/13/23 14:47	1
Anthracene	<0.0000895	U	0.000181	0.0000895	mg/L		03/10/23 18:48	03/13/23 14:47	1
Benzo[a]anthracene	<0.000133	U	0.000181	0.000133	mg/L		03/10/23 18:48	03/13/23 14:47	1
Benzo[a]pyrene	<0.0000568	U	0.000181	0.0000568	mg/L		03/10/23 18:48	03/13/23 14:47	1
Benzo[b]fluoranthene	<0.0000696	U	0.000181	0.0000696	mg/L		03/10/23 18:48	03/13/23 14:47	1
Benzo[g,h,i]perylene	<0.000112	U	0.000181	0.000112	mg/L		03/10/23 18:48	03/13/23 14:47	1
Benzo[k]fluoranthene	<0.000115	U	0.000181	0.000115	mg/L		03/10/23 18:48	03/13/23 14:47	1
Chrysene	<0.000155	U	0.000181	0.000155	mg/L		03/10/23 18:48	03/13/23 14:47	1
Dibenz(a,h)anthracene	<0.0000756	U	0.000181	0.0000756	mg/L		03/10/23 18:48	03/13/23 14:47	1
Dibenzofuran	<0.0000995	U	0.000181	0.0000995	mg/L		03/10/23 18:48	03/13/23 14:47	1
Fluoranthene	<0.000156	U	0.000181	0.000156	mg/L		03/10/23 18:48	03/13/23 14:47	1
Fluorene	<0.000100	U	0.000181	0.000100	mg/L		03/10/23 18:48	03/13/23 14:47	1
Indeno[1,2,3-cd]pyrene	<0.0000908	U	0.000181	0.0000908	mg/L		03/10/23 18:48	03/13/23 14:47	1
Naphthalene	<0.0000967	U	0.00362	0.0000967	mg/L		03/10/23 18:48	03/13/23 14:47	1
Phenanthrene	<0.0000845	U	0.000181	0.0000845	mg/L		03/10/23 18:48	03/13/23 14:47	1
Pyrene	<0.000129	U	0.000181	0.000129	mg/L		03/10/23 18:48	03/13/23 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*54 - 146*	*03/10/23 18:48*	*03/13/23 14:47*	*1*
Nitrobenzene-d5	*101*		*46 - 151*	*03/10/23 18:48*	*03/13/23 14:47*	*1*
p-Terphenyl-d14	*77*		*51 - 139*	*03/10/23 18:48*	*03/13/23 14:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 19:22	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/23 19:22	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 19:22	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/23 19:22	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 19:22	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*		*03/16/23 19:22*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*		*03/16/23 19:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/19/23 17:50	1

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Client Sample ID: MW-15

Date Collected: 03/07/23 12:05
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 19:48	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/23 19:48	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 19:48	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/23 19:48	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 19:48	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/23 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*		*03/16/23 19:48*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*		*03/16/23 19:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000657	U	0.00400	0.000657	mg/L			03/19/23 17:50	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(54-146)	(46-151)	(51-139)
890-4246-1	MW-8A	115	110	112
890-4246-2	MW-19	114	106	64
890-4246-4	MW-7A	107	101	77
LCS 860-93710/2-A	Lab Control Sample	107	99	84
LCSD 860-93710/3-A	Lab Control Sample Dup	114	107	92
MB 860-93710/1-A	Method Blank	127	108	139

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-4246-1	MW-8A	106	74
890-4246-2	MW-19	123	94
890-4246-3	MW-14	114	88
890-4246-4	MW-7A	124	83
890-4246-5	MW-15	114	88
LCS 880-48641/3	Lab Control Sample	102	101
LCSD 880-48641/4	Lab Control Sample Dup	112	85
MB 880-48641/8	Method Blank	67 S1-	87

Surrogate Legend

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

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

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

Lab Sample ID: MB 860-93710/1-A
Matrix: Water
Analysis Batch: 93773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 93710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000102	U	0.000186	0.000102	mg/L		03/10/23 18:48	03/13/23 12:03	1
Acenaphthylene	0.00009855	J	0.000186	0.0000861	mg/L		03/10/23 18:48	03/13/23 12:03	1
Anthracene	0.00009487	J	0.000186	0.0000920	mg/L		03/10/23 18:48	03/13/23 12:03	1
Benzo[a]anthracene	<0.000137	U	0.000186	0.000137	mg/L		03/10/23 18:48	03/13/23 12:03	1
Benzo[a]pyrene	0.0001076	J	0.000186	0.0000584	mg/L		03/10/23 18:48	03/13/23 12:03	1
Benzo[b]fluoranthene	0.0001042	J	0.000186	0.0000716	mg/L		03/10/23 18:48	03/13/23 12:03	1
Benzo[g,h,i]perylene	<0.000116	U	0.000186	0.000116	mg/L		03/10/23 18:48	03/13/23 12:03	1
Benzo[k]fluoranthene	<0.000119	U	0.000186	0.000119	mg/L		03/10/23 18:48	03/13/23 12:03	1
Chrysene	<0.000159	U	0.000186	0.000159	mg/L		03/10/23 18:48	03/13/23 12:03	1
Dibenz(a,h)anthracene	0.0001010	J	0.000186	0.0000777	mg/L		03/10/23 18:48	03/13/23 12:03	1
Dibenzofuran	<0.000102	U	0.000186	0.000102	mg/L		03/10/23 18:48	03/13/23 12:03	1
Fluoranthene	<0.000161	U	0.000186	0.000161	mg/L		03/10/23 18:48	03/13/23 12:03	1
Fluorene	<0.000103	U	0.000186	0.000103	mg/L		03/10/23 18:48	03/13/23 12:03	1
Indeno[1,2,3-cd]pyrene	0.00009761	J	0.000186	0.0000933	mg/L		03/10/23 18:48	03/13/23 12:03	1
Naphthalene	<0.0000994	U	0.00372	0.0000994	mg/L		03/10/23 18:48	03/13/23 12:03	1
Phenanthrene	0.00009248	J	0.000186	0.0000869	mg/L		03/10/23 18:48	03/13/23 12:03	1
Pyrene	<0.000133	U	0.000186	0.000133	mg/L		03/10/23 18:48	03/13/23 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*127*		*54 - 146*	*03/10/23 18:48*	*03/13/23 12:03*	*1*
Nitrobenzene-d5	*108*		*46 - 151*	*03/10/23 18:48*	*03/13/23 12:03*	*1*
p-Terphenyl-d14	*139*		*51 - 139*	*03/10/23 18:48*	*03/13/23 12:03*	*1*

Lab Sample ID: LCS 860-93710/2-A
Matrix: Water
Analysis Batch: 93773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	0.0186	0.02007		mg/L		108	66 - 174
Acenaphthylene	0.0186	0.02114		mg/L		114	67 - 182
Anthracene	0.0186	0.01895		mg/L		102	55 - 191
Benzo[a]anthracene	0.0186	0.01675		mg/L		90	16 - 171
Benzo[a]pyrene	0.0186	0.01237		mg/L		66	10 - 165
Benzo[b]fluoranthene	0.0186	0.01254		mg/L		67	10 - 166
Benzo[g,h,i]perylene	0.0186	0.01211		mg/L		65	10 - 154
Benzo[k]fluoranthene	0.0186	0.01116		mg/L		60	10 - 178
Chrysene	0.0186	0.01441		mg/L		77	10 - 172
Dibenz(a,h)anthracene	0.0186	0.01270		mg/L		68	10 - 168
Dibenzofuran	0.0186	0.01991		mg/L		107	68 - 178
Fluoranthene	0.0186	0.01876		mg/L		101	52 - 185
Fluorene	0.0186	0.02049		mg/L		110	64 - 184
Indeno[1,2,3-cd]pyrene	0.0186	0.01257		mg/L		68	10 - 160
Naphthalene	0.0186	0.01842		mg/L		99	66 - 166
Phenanthrene	0.0186	0.01827		mg/L		98	66 - 184
Pyrene	0.0186	0.01948		mg/L		105	58 - 181

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*107*		*54 - 146*

Eurofins Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

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

Lab Sample ID: LCS 860-93710/2-A
Matrix: Water
Analysis Batch: 93773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 93710

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	99		46 - 151
p-Terphenyl-d14	84		51 - 139

Lab Sample ID: LCSD 860-93710/3-A
Matrix: Water
Analysis Batch: 93773

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 93710

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			0.0187	0.02130		mg/L		114	66 - 174	6	40
Acenaphthylene			0.0187	0.02194		mg/L		117	67 - 182	4	40
Anthracene			0.0187	0.02309		mg/L		123	55 - 191	20	40
Benzo[a]anthracene			0.0187	0.01821		mg/L		97	16 - 171	8	50
Benzo[a]pyrene			0.0187	0.01373		mg/L		73	10 - 165	10	50
Benzo[b]fluoranthene			0.0187	0.01412		mg/L		75	10 - 166	12	50
Benzo[g,h,i]perylene			0.0187	0.01236		mg/L		66	10 - 154	2	50
Benzo[k]fluoranthene			0.0187	0.01114		mg/L		59	10 - 178	0	50
Chrysene			0.0187	0.01605		mg/L		86	10 - 172	11	50
Dibenz(a,h)anthracene			0.0187	0.01316		mg/L		70	10 - 168	4	50
Dibenzofuran			0.0187	0.02073		mg/L		111	68 - 178	4	40
Fluoranthene			0.0187	0.02254		mg/L		120	52 - 185	18	40
Fluorene			0.0187	0.02131		mg/L		114	64 - 184	4	40
Indeno[1,2,3-cd]pyrene			0.0187	0.01315		mg/L		70	10 - 160	4	50
Naphthalene			0.0187	0.01959		mg/L		105	66 - 166	6	40
Phenanthrene			0.0187	0.02240		mg/L		120	66 - 184	20	40
Pyrene			0.0187	0.02114		mg/L		113	58 - 181	8	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	114		54 - 146
Nitrobenzene-d5	107		46 - 151
p-Terphenyl-d14	92		51 - 139

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48641/8
Matrix: Water
Analysis Batch: 48641

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408	mg/L			03/16/23 11:44	1
Toluene	<0.000367	U	0.00200	0.000367	mg/L			03/16/23 11:44	1
Ethylbenzene	<0.000657	U	0.00200	0.000657	mg/L			03/16/23 11:44	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629	mg/L			03/16/23 11:44	1
o-Xylene	<0.000642	U	0.00200	0.000642	mg/L			03/16/23 11:44	1
Xylenes, Total	<0.000642	U	0.00400	0.000642	mg/L			03/16/23 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130		03/16/23 11:44	1
1,4-Difluorobenzene (Surr)	87		70 - 130		03/16/23 11:44	1

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 880-48641/3
Matrix: Water
Analysis Batch: 48641

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08042		mg/L		80	70 - 130		
Toluene			0.100	0.07496		mg/L		75	70 - 130		
Ethylbenzene			0.100	0.08080		mg/L		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1696		mg/L		85	70 - 130		
o-Xylene			0.100	0.08063		mg/L		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-48641/4
Matrix: Water
Analysis Batch: 48641

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09001		mg/L		90	70 - 130	11	20
Toluene			0.100	0.08488		mg/L		85	70 - 130	12	20
Ethylbenzene			0.100	0.09201		mg/L		92	70 - 130	13	20
m-Xylene & p-Xylene			0.200	0.1921		mg/L		96	70 - 130	12	20
o-Xylene			0.100	0.09266		mg/L		93	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

GC/MS Semi VOA

Prep Batch: 93710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4246-1	MW-8A	Total/NA	Water	3511	
890-4246-2	MW-19	Total/NA	Water	3511	
890-4246-4	MW-7A	Total/NA	Water	3511	
MB 860-93710/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-93710/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-93710/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 93773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4246-1	MW-8A	Total/NA	Water	8270D SIM	93710
890-4246-2	MW-19	Total/NA	Water	8270D SIM	93710
890-4246-4	MW-7A	Total/NA	Water	8270D SIM	93710
MB 860-93710/1-A	Method Blank	Total/NA	Water	8270D SIM	93710
LCS 860-93710/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	93710
LCSD 860-93710/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	93710

GC VOA

Analysis Batch: 48641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4246-1	MW-8A	Total/NA	Water	8021B	
890-4246-2	MW-19	Total/NA	Water	8021B	
890-4246-3	MW-14	Total/NA	Water	8021B	
890-4246-4	MW-7A	Total/NA	Water	8021B	
890-4246-5	MW-15	Total/NA	Water	8021B	
MB 880-48641/8	Method Blank	Total/NA	Water	8021B	
LCS 880-48641/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-48641/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 48939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4246-1	MW-8A	Total/NA	Water	Total BTEX	
890-4246-2	MW-19	Total/NA	Water	Total BTEX	
890-4246-3	MW-14	Total/NA	Water	Total BTEX	
890-4246-4	MW-7A	Total/NA	Water	Total BTEX	
890-4246-5	MW-15	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Client Sample ID: MW-8A
Date Collected: 03/07/23 10:15
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.6 mL	2 mL	93710	03/10/23 18:48	RC	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	93773	03/13/23 14:10	WE	EET HOU
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/16/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

Client Sample ID: MW-19
Date Collected: 03/07/23 10:22
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.9 mL	2 mL	93710	03/10/23 18:48	RC	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	93773	03/13/23 14:29	WE	EET HOU
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/16/23 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

Client Sample ID: MW-14
Date Collected: 03/07/23 11:19
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/16/23 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

Client Sample ID: MW-7A
Date Collected: 03/07/23 11:57
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			55.3 mL	2 mL	93710	03/10/23 18:48	RC	EET HOU
Total/NA	Analysis	8270D SIM		1	1 mL	1 mL	93773	03/13/23 14:47	WE	EET HOU
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/16/23 19:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

Client Sample ID: MW-15
Date Collected: 03/07/23 12:05
Date Received: 03/07/23 13:49

Lab Sample ID: 890-4246-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	48641	03/16/23 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48939	03/19/23 17:50	AJ	EET MID

Laboratory References:

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

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

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	03-13-23

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

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

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET HOU
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3511	Microextraction of Organic Compounds	SW846	EET HOU
5030B	Purge and Trap	SW846	EET MID

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

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

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-4246-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4246-1	MW-8A	Water	03/07/23 10:15	03/07/23 13:49
890-4246-2	MW-19	Water	03/07/23 10:22	03/07/23 13:49
890-4246-3	MW-14	Water	03/07/23 11:19	03/07/23 13:49
890-4246-4	MW-7A	Water	03/07/23 11:57	03/07/23 13:49
890-4246-5	MW-15	Water	03/07/23 12:05	03/07/23 13:49

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	Attn: Camille Bryant
Address:	408 Texas St.	Address:	
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2000-10757
Phone:	575-441-4835	Email:	dadkins@talonlpe.com, mgomez@talonlpe.com

Work Order Comments

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

Project Name:	Kimbrough	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea, County	Due Date:	
Sampler's Name:	M. Gomez, N. Rose	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2000-10757		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TDM 007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	7.8	
Total Containers:		Corrected Temperature:	7.6	

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	PAH
MW-8A	GW	3/7/23	10:15	N/A		5	X	X
MW-19	"	"	10:22	"		5	"	X
MW-14	"	"	11:19	"		3	"	
MW-7A	"	"	11:57	"		5	"	X
MW-15	"	"	12:05	"		3	"	

890-4246 Chain of Custody

Sample Comments

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

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Amanda Estrada	3/7/23 1349			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

eurofins
Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-1166.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP Texas		Job #: 890-4246-1
Address: 4145 Greenbriar Dr	Due Date Requested: 3/13/2023			
City: Stafford	TAT Requested (days):			
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Kimbrough	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D_SIM/3511 8270D (PAHs)-3511Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-8A (890-4246-1)	3/7/23	10:15 Mountain		Water			X	2	
MW-19 (890-4246-2)	3/7/23	10:22 Mountain		Water			X	2	
MW-7A (890-4246-4)	3/7/23	11.57 Mountain		Water			X	2	

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

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

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

Relinquished by: Clue FedEx	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3/9/23 10:26	Company EX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:	Temp: IR ID:HOU-344 C/F:-0.2 2.4 Corrected Temp: 2.2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4246-1
SDG Number: Lea County

Login Number: 4246
List Number: 1
Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4246-1
SDG Number: Lea County

Login Number: 4246
List Number: 3
Creator: Pena, Jesiel

List Source: Eurofins Houston
List Creation: 03/09/23 05:18 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-4246-1
SDG Number: Lea County

Login Number: 4246
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 03/09/23 10:57 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County, NM

Lab Order Number: 3F13016

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/10/23

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7A	3F13016-01	Water	06/13/23 09:25	06-13-2023 14:18
MW-17	3F13016-02	Water	06/13/23 09:33	06-13-2023 14:18
MW-16	3F13016-03	Water	06/13/23 09:34	06-13-2023 14:18
MW-8A	3F13016-04	Water	06/13/23 09:39	06-13-2023 14:18
MW-19	3F13016-05	Water	06/13/23 09:57	06-13-2023 14:18
MW-18	3F13016-06	Water	06/13/23 10:33	06-13-2023 14:18
MW-1A	3F13016-07	Water	06/13/23 10:40	06-13-2023 14:18

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

3F13016-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	**0.00896**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Xylenes (total)	**0.00602**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Organics by GC									
Benzene	**0.00144**	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Toluene	**0.00150**	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Xylene (p/m)	**0.00440**	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Xylene (o)	**0.00162**	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 17:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 17:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 17:59*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

3F13016-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	**0.00262**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Xylenes (total)	**0.00211**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Xylene (p/m)	**0.00211**	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 18:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 18:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 18:20*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

3F13016-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 19:21*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 19:21*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

3F13016-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.00438**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Xylenes (total)	**0.00259**	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Ethylbenzene	**0.00126**	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Xylene (p/m)	**0.00259**	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 19:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 19:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.8 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 19:42*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-19

3F13016-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:02*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

3F13016-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:23*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-1A

3F13016-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3F1412	06/14/23 12:31	06/14/23 20:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.7 %*	*80-120*		*P3F1412*	*06/14/23 12:31*	*06/14/23 20:43*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F1412 - * DEFAULT PREP *** **										
Blank (P3F1412-BLK1)				Prepared & Analyzed: 06/14/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			
LCS (P3F1412-BS1)				Prepared & Analyzed: 06/14/23						
Benzene	0.0884	0.00100	mg/L	0.100		88.4	80-120			
Toluene	0.0807	0.00100	"	0.100		80.7	80-120			
Ethylbenzene	0.0868	0.00100	"	0.100		86.8	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200		86.3	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
LCS Dup (P3F1412-BSD1)				Prepared & Analyzed: 06/14/23						
Benzene	0.0907	0.00100	mg/L	0.100		90.7	80-120	2.54	20	
Toluene	0.0822	0.00100	"	0.100		82.2	80-120	1.87	20	
Ethylbenzene	0.0879	0.00100	"	0.100		87.9	80-120	1.18	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.4	80-120	0.0811	20	
Xylene (o)	0.0804	0.00100	"	0.100		80.4	80-120	0.137	20	
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Calibration Blank (P3F1412-CCB1)				Prepared & Analyzed: 06/14/23						
Benzene	0.100		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.400		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.7*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F1412 - * DEFAULT PREP *** **										
Calibration Blank (P3F1412-CCB2)				Prepared & Analyzed: 06/14/23						
Benzene	0.250		ug/l							
Toluene	0.340		"							
Ethylbenzene	0.250		"							
Xylene (p/m)	1.50		"							
Xylene (o)	0.470		"							
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			
Calibration Check (P3F1412-CCV1)				Prepared & Analyzed: 06/14/23						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0932	0.00100	"	0.100		93.2	80-120			
Ethylbenzene	0.0940	0.00100	"	0.100		94.0	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.9	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P3F1412-CCV2)				Prepared & Analyzed: 06/14/23						
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0983	0.00100	"	0.100		98.3	80-120			
Ethylbenzene	0.0971	0.00100	"	0.100		97.1	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P3F1412-CCV3)				Prepared & Analyzed: 06/14/23						
Benzene	0.0894	0.00100	mg/L	0.100		89.4	80-120			
Toluene	0.0812	0.00100	"	0.100		81.2	80-120			
Ethylbenzene	0.0816	0.00100	"	0.100		81.6	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200		85.8	80-120			
Xylene (o)	0.0807	0.00100	"	0.100		80.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F1412 - * DEFAULT PREP *** **										
Matrix Spike (P3F1412-MS1)	**Source: 3F09004-02**			Prepared & Analyzed: 06/14/23						
Benzene	0.101	0.00100	mg/L	0.100	ND	101	80-120			
Toluene	0.0900	0.00100	"	0.100	ND	90.0	80-120			
Ethylbenzene	0.0947	0.00100	"	0.100	0.000570	94.1	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200	ND	94.0	80-120			
Xylene (o)	0.0855	0.00100	"	0.100	ND	85.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*80-120*			
Matrix Spike Dup (P3F1412-MSD1)	**Source: 3F09004-02**			Prepared & Analyzed: 06/14/23						
Benzene	0.0952	0.00100	mg/L	0.100	ND	95.2	80-120	5.99	20	
Toluene	0.0870	0.00100	"	0.100	ND	87.0	80-120	3.44	20	
Ethylbenzene	0.0911	0.00100	"	0.100	0.000570	90.5	80-120	3.93	20	
Xylene (p/m)	0.180	0.00200	"	0.200	ND	90.2	80-120	4.07	20	
Xylene (o)	0.0836	0.00100	"	0.100	ND	83.6	80-120	2.21	20	
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/10/2023

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS # 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 3F130116

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-7A			6/13/23	9:25		3	3		3						GW			X			X
2	MW-17				9:33																	
3	MW-16				9:34																	
4	MW-8A				9:39																	
5	MW-19				9:57																	
6	MW-18				10:33																	
7	MW-1A				10:40																	

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

Relinquished by:	Date	Time	Received by:	Date	Time
Matthew Gomez	6-13-23	10:47			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				6/13/23	14:18

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 0 °C Thermometer: CF0
Adjusted: 0 °C Factor:

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

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Certification # T104704516-18-9

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 3I08007

Report Date: 09/18/23

Talon LPE
2901 S. State Hwy 349
Midland TX, 79706

Project: Kimbrough (Kim)
Project Number: SRS#2000-10757
Project Manager: David Adkins

Fax: (432) 522-2180

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8A	3I08007-01	Water	09/08/23 10:34	09-08-2023 15:55
MW-15	3I08007-02	Water	09/08/23 10:38	09-08-2023 15:55
MW-14	3I08007-03	Water	09/08/23 11:20	09-08-2023 15:55
MW-19	3I08007-04	Water	09/08/23 11:50	09-08-2023 15:55
MW-7A	3I08007-05	Water	09/08/23 11:57	09-08-2023 15:55
MW-12	3I08007-06	Water	09/08/23 10:17	09-08-2023 15:55
MW-18	3I08007-07	Water	09/08/23 11:04	09-08-2023 15:55
MW-17	3I08007-08	Water	09/08/23 11:34	09-08-2023 15:55
MW-16	3I08007-09	Water	09/08/23 12:15	09-08-2023 15:55
MW-1A	3I08007-10	Water	09/08/23 12:42	09-08-2023 15:55

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8A (3I08007-01) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1109	09/11/23	09/11/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000970]**	0.000500	0.00100	"	"	"	"	"	"	J
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**J [0.000670]**	0.000500	0.00100	"	"	"	"	"	"	J
Surrogate: 4-Bromofluorobenzene			*79.8 %*		*80-120*	"	"	"	"	*S-GC*
Surrogate: 1,4-Difluorobenzene			*89.7 %*		*80-120*	"	"	"	"	
Total BTEX	**0.00164**	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	**J [0.000670]**	0.000500	0.00100	"	"	"	"	"	"	
MW-15 (3I08007-02) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1109	09/11/23	09/11/23	EPA 8021B	
Toluene	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00100	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*79.5 %*		*80-120*	"	"	"	"	*S-GC*
Surrogate: 1,4-Difluorobenzene			*89.9 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-14 (3I08007-03) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1109	09/11/23	09/11/23	EPA 8021B	
Toluene	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00100	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.2 %*		*80-120*	"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*94.0 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

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Organics by GC

Permian Basin Environmental Lab, L.P.

	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-19 (3I08007-04) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1109	09/11/23	09/11/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	<0.00100	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*81.2 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*90.8 %*	*80-120*		"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-7A (3I08007-05) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*95.8 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*97.1 %*	*80-120*		"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	
MW-12 (3I08007-06) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*94.6 %*	*80-120*		"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*96.7 %*	*80-120*		"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

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	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-18 (3I08007-07) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*93.9 %*		*80-120*	"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*96.6 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]		"	"	"
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"		"	"	"
MW-17 (3I08007-08) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*95.7 %*		*80-120*	"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*95.7 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]		"	"	"
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"		"	"	"
MW-16 (3I08007-09) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*93.6 %*		*80-120*	"	"	"	"	
Surrogate: 1,4-Difluorobenzene			*96.6 %*		*80-120*	"	"	"	"	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]		"	"	"
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"		"	"	"

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Organics by GC

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	Result	SQL	MQL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1A (3I08007-10) Water										
Benzene	**<0.000500**	0.000500	0.00100	mg/L	1	P3I1505	09/15/23	09/15/23	EPA 8021B	
Toluene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Ethylbenzene	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**<0.00100**	0.00100	0.00200	"	"	"	"	"	"	
Xylene (o)	**<0.000500**	0.000500	0.00100	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			*93.7 %*	*80-120*		*"*	*"*	*"*	*"*	
Surrogate: 1,4-Difluorobenzene			*96.3 %*	*80-120*		*"*	*"*	*"*	*"*	
Total BTEX	<0.000500	0.000500	0.00100	"	"	[CALC]	"	"	"	
Xylenes (total)	<0.000500	0.000500	0.00100	"	"	"	"	"	"	

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1109 - * DEFAULT PREP *****				Analyst:JLB/BB/SG						
Blank (P3I1109-BLK1)				Prepared & Analyzed: 09/11/23						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
LCS (P3I1109-BS1)				Prepared & Analyzed: 09/11/23						
Benzene	0.0869	0.00100	mg/L	0.100		86.9	80-120			
Toluene	0.0893	0.00100	"	0.100		89.3	80-120			
Ethylbenzene	0.0895	0.00100	"	0.100		89.5	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.7	80-120			
Xylene (o)	0.0807	0.00100	"	0.100		80.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.5*	*80-120*			
LCS Dup (P3I1109-BSD1)				Prepared & Analyzed: 09/11/23						
Benzene	0.0849	0.00100	mg/L	0.100		84.9	80-120	2.36	20	
Toluene	0.0870	0.00100	"	0.100		87.0	80-120	2.55	20	
Ethylbenzene	0.0871	0.00100	"	0.100		87.1	80-120	2.74	20	
Xylene (p/m)	0.172	0.00200	"	0.200		85.9	80-120	3.21	20	
Xylene (o)	0.0844	0.00100	"	0.100		84.4	80-120	4.48	20	
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*96.0*	*80-120*			
Calibration Blank (P3I1109-CCB1)				Prepared & Analyzed: 09/11/23						
Benzene	0.130		ug/l							
Toluene	0.120		"							
Ethylbenzene	0.0900		"							
Xylene (p/m)	0.140		"							
Xylene (o)	0.0900		"							
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.8*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1109 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Calibration Blank (P3I1109-CCB2)					Prepared & Analyzed: 09/11/23					
Benzene	0.300		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*83.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.3*	*80-120*			
Calibration Check (P3I1109-CCV1)					Prepared & Analyzed: 09/11/23					
Benzene	0.0834	0.00100	mg/L	0.100		83.4	80-120			
Toluene	0.0917	0.00100	"	0.100		91.7	80-120			
Ethylbenzene	0.0877	0.00100	"	0.100		87.7	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.9	80-120			
Xylene (o)	0.0897	0.00100	"	0.100		89.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.5*	*80-120*			
Calibration Check (P3I1109-CCV2)					Prepared & Analyzed: 09/11/23					
Benzene	0.0812	0.00100	mg/L	0.100		81.2	80-120			
Toluene	0.0886	0.00100	"	0.100		88.6	80-120			
Ethylbenzene	0.0896	0.00100	"	0.100		89.6	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.9	80-120			
Xylene (o)	0.0880	0.00100	"	0.100		88.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*84.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.4*	*80-120*			
Calibration Check (P3I1109-CCV3)					Prepared: 09/11/23 Analyzed: 09/12/23					
Benzene	0.0824	0.00100	mg/L	0.100		82.4	80-120			
Toluene	0.0883	0.00100	"	0.100		88.3	80-120			
Ethylbenzene	0.0895	0.00100	"	0.100		89.5	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.0867	0.00100	"	0.100		86.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0952*		*"*	*0.120*		*79.4*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.7*	*80-120*			

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Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1109 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Matrix Spike (P3I1109-MS1)		**Source: 3I07002-12**			Prepared: 09/11/23 Analyzed: 09/12/23					
Benzene	0.0928	0.00100	mg/L	0.100	ND	92.8	80-120			
Toluene	0.0888	0.00100	"	0.100	ND	88.8	80-120			
Ethylbenzene	0.0919	0.00100	"	0.100	ND	91.9	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200	ND	90.7	80-120			
Xylene (o)	0.0806	0.00100	"	0.100	ND	80.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.101*		"	*0.120*		*84.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.1*	*80-120*			
Matrix Spike Dup (P3I1109-MSD1)		**Source: 3I07002-12**			Prepared: 09/11/23 Analyzed: 09/12/23					
Benzene	0.0891	0.00100	mg/L	0.100	ND	89.1	80-120	4.06	20	
Toluene	0.0847	0.00100	"	0.100	ND	84.7	80-120	4.66	20	
Ethylbenzene	0.0883	0.00100	"	0.100	ND	88.3	80-120	4.01	20	
Xylene (p/m)	0.174	0.00200	"	0.200	ND	86.9	80-120	4.32	20	
Xylene (o)	0.0760	0.00100	"	0.100	ND	76.0	80-120	5.93	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.101*		"	*0.120*		*84.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.2*	*80-120*			
Batch P3I1505 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
Blank (P3I1505-BLK1)					Prepared & Analyzed: 09/15/23					
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.5*	*80-120*			

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Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *****					Analyst:JLB/BB/SG					
LCS (P3I1505-BS1)					Prepared & Analyzed: 09/15/23					
Benzene	0.0827	0.00100	mg/L	0.100		82.7	80-120			
Toluene	0.0858	0.00100	"	0.100		85.8	80-120			
Ethylbenzene	0.0928	0.00100	"	0.100		92.8	80-120			
Xylene (p/m)	0.186	0.00200	"	0.200		93.2	80-120			
Xylene (o)	0.0816	0.00100	"	0.100		81.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			
LCS Dup (P3I1505-BSD1)					Prepared & Analyzed: 09/15/23					
Benzene	0.0815	0.00100	mg/L	0.100		81.5	80-120	1.41	20	
Toluene	0.0853	0.00100	"	0.100		85.3	80-120	0.538	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	0.475	20	
Xylene (p/m)	0.186	0.00200	"	0.200		92.9	80-120	0.382	20	
Xylene (o)	0.0811	0.00100	"	0.100		81.1	80-120	0.615	20	
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*96.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Blank (P3I1505-CCB1)					Prepared & Analyzed: 09/15/23					
Benzene	0.100		ug/l							
Toluene	0.0600		"							
Ethylbenzene	0.0700		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.0700		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Calibration Blank (P3I1505-CCB2)					Prepared & Analyzed: 09/15/23					
Benzene	0.0800		ug/l							
Toluene	0.0800		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.0800		"							
Xylene (o)	0.0400		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			

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Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *** **					Analyst:JLB/BB/SG					
Calibration Check (P3I1505-CCV1)					Prepared & Analyzed: 09/15/23					
Benzene	0.0893	0.00100	mg/L	0.100		89.3	80-120			
Toluene	0.0950	0.00100	"	0.100		95.0	80-120			
Ethylbenzene	0.0989	0.00100	"	0.100		98.9	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Calibration Check (P3I1505-CCV2)					Prepared & Analyzed: 09/15/23					
Benzene	0.0823	0.00100	mg/L	0.100		82.3	80-120			
Toluene	0.0880	0.00100	"	0.100		88.0	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.8	80-120			
Xylene (o)	0.0870	0.00100	"	0.100		87.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.6*	*80-120*			
Calibration Check (P3I1505-CCV3)					Prepared & Analyzed: 09/15/23					
Benzene	0.0918	0.00100	mg/L	0.100		91.8	80-120			
Toluene	0.0980	0.00100	"	0.100		98.0	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Matrix Spike (P3I1505-MS1)		**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23					
Benzene	0.0725	0.00100	mg/L	0.100	ND	72.5	80-120			QM-05
Toluene	0.0852	0.00100	"	0.100	ND	85.2	80-120			
Ethylbenzene	0.0970	0.00100	"	0.100	ND	97.0	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200	ND	95.1	80-120			
Xylene (o)	0.0861	0.00100	"	0.100	ND	86.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	MQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I1505 - * DEFAULT PREP *** **					Analyst:JLB/BB/SG					
Matrix Spike Dup (P3I1505-MSD1)		**Source: 3I08007-05**			Prepared & Analyzed: 09/15/23					
Benzene	0.0690	0.00100	mg/L	0.100	ND	69.0	80-120	4.93	20	QM-05
Toluene	0.0808	0.00100	"	0.100	ND	80.8	80-120	5.33	20	
Ethylbenzene	0.0924	0.00100	"	0.100	ND	92.4	80-120	4.91	20	
Xylene (p/m)	0.183	0.00200	"	0.200	ND	91.4	80-120	4.05	20	
Xylene (o)	0.0813	0.00100	"	0.100	ND	81.3	80-120	5.74	20	
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*90.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
MQL	Method Quantitation Limit
SQL	Sample Quantitation Limit
UMQL	Unadjusted MQL = MQL / Dilution
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/18/2023

Brent Barron, Laboratory Director/Corp. Technical Director

PBELAB

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

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only) **ORDER #:** 3I08007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-8A			9/8/23	10:34		3	3		3						GW			X		X
2	MW-15				10:38																
3	MW-14				11:20																
4	MW-19				11:50																
5	MW-7A				11:57																
6	MW-12				10:17																
7	MW-18				11:04																
8	MW-17				11:34																
9	MW-16				12:15																
10	MW-1A				12:42		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Eric Dorman	9.8.23	12:46			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	9/8/23	15:55

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 21.0 °C Thermometer:
Adjusted: °C Factor:

CF0 13

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

Page 1 of 1

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

Talon LPE	Project: Kimbrough (Kim)	Fax: (432) 522-2180
2901 S. State Hwy 349	Project Number: SRS#2000-10757	
Midland TX, 79706	Project Manager: David Adkins	

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 3L12005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/21/23

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	3L12005-01	Water	12/11/23 10:55	12-12-2023 08:24
MW-18	3L12005-02	Water	12/11/23 13:41	12-12-2023 08:24
MW-16	3L12005-03	Water	12/11/23 13:22	12-12-2023 08:24
MW-1A	3L12005-04	Water	12/11/23 12:03	12-12-2023 08:24
MW-7A	3L12005-05	Water	12/11/23 11:41	12-12-2023 08:24
MW-19	3L12005-06	Water	12/11/23 12:57	12-12-2023 08:24
MW-8A	3L12005-07	Water	12/11/23 12:23	12-12-2023 08:24

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

3L12005-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:32*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.7 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:32*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

3L12005-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 09:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.2 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 09:55*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

3L12005-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.9 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 10:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.0 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 10:19*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-1A

3L12005-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 10:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 10:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 10:42*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

3L12005-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*86.9 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.4 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:05*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-19

3L12005-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.4 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.0 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:28*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

3L12005-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.00105**	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Ethylbenzene	**0.00105**	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P3L1904	12/19/23 09:13	12/20/23 11:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.7 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.8 %*	*80-120*		*P3L1904*	*12/19/23 09:13*	*12/20/23 11:52*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

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

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

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

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

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

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

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

Report Approved By: Brent Barron Date: 12/21/2023

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Kimbrough (Kim)
2901 S. State Hwy 349	Project Number:	SRS#2000-10757
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 3L12005

Analyze For:
TCLP:
TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17			12-11-23	10:55		3	X		X						GW			X		X
2	MW-18			12-11-23	1:41		3	X		X						GW			X		X
3	MW-16			12-11-23	1:22		3	X		X						GW			X		X
4	MW-1A			12-11-23	12:03		3	X		X						GW			X		X
5	MW-7A			12-11-23	11:41		3	X		X						GW			X		X
6	MW-19			12-11-23	12:57		3	X		X						GW			X		X
7	MW-8A			12-11-23	12:23		3	X		X						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Bennett	12/11/23	5:32		12/11/23	5:32
	12/12/23	824			
			Received by PBEL:	12/12/23	8:24

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.3 °C Thermometer: 23
Adjusted: 5.1 °C Factor: NCF

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 350636

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 350636
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report: content satisfactory 1. Continue to conduct groundwater monitoring on a quarterly schedule for the 2024 calendar year with analyses for BTEX and PAH, in wells that are able to be accessed for groundwater sampling. 2. Continue removal of PSH by monthly MDPE events. 3. Submit the 2024 annual groundwater report to OCD by April 1, 2025.	8/15/2024