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# **2024 Annual Groundwater Monitoring Report**

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

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August 5, 2025



### 2024 ANNUAL GROUNDWATER MONITORING REPORT

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NMSLO - New Mexico State Land Office

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#### 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 15 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 (5) replacement wells were installed (MW-2A, MW-7A, MW-8A, MW-11A, and MW-19), and one (1) well (MW-1A) was repaired due to vandalism.

MDPE events were conducted on a monthly basis at the site during 2023 and recovered approximately 20.14 bbls of PSH.

During 2024, a total of 12 MDPE events were conducted. A total of 12.55 bbls of PSH were recovered, which consisted of 5.22 bbls of liquid PSH and 7.33 bbls of vapor.

Historically, approximately 669.34 bbls of PSH, which consisted of 304.19 bbls of vapor phase and 357.56 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 2024. Analytical results for the four (4) sampling events are summarized in Table 2 and Table 3 in <u>Appendix B</u>, and Figures 3a through 3d in <u>Appendix A</u>. Laboratory analytical data reports and chain of custody documentation are included in <u>Appendix C</u>.

### 2. SITE ACTIVITIES

The sections that follow summarize site assessment activities, groundwater monitoring, and PSH recovery activities conducted at the site during the year 2024. 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 Site Assessment Activities

In order to continue to monitor groundwater gradient and PSH concentration levels, three (3) replacement monitor wells (MW-5A, MW-6A, and MW-9A) were installed.

On September 12, 2024, five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were plugged and abandoned due to decreasing groundwater levels. Subsequently, replacement monitor wells MW-5A, MW-6A, and MW-9A were installed on September 16, 2024.

Talon/LPE supervised the advancement and installation of the replacement of three (3) 2-inch diameter wells using air and mud rotary techniques. The locations of each monitor well and replacement well are presented on Figure 1 in <u>Appendix A</u>. The replacement wells were installed by a State of New Mexico well driller. State of New Mexico Well Reports and Monitoring Well Logs are provided in <u>Appendix D</u>. In addition, State of New Mexico Plugging Reports are provided in <u>Appendix D</u>.

## 2.2 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2024. The events occurred in: March, June, September, and December.

During the March 2024 groundwater monitoring event, 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-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. Details of the gauging, purging, and sampling activities are presented in <u>Section 2.3</u>.

During the June 2024 groundwater monitoring event, 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. Wells MW-12, MW-13, MW-14, and MW-15 were not scheduled for sampling. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

During the September 2024 groundwater monitoring event, 17 monitor wells were gauged. A total of eight (8) monitor wells (MW-7A, MW-8A, and MW-14 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, monitor well MW-1A was noted to be obstructed, and monitor well MW-12 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 <u>Section 2.3</u>.

During the December 2024 groundwater monitoring event, 12 monitor wells (MW-1A, MW-2A, MW-5A through MW-9A, MW-11A, and MW-16 through MW-19) were gauged. A total of eight (8) monitor wells (MW-6A through MW-9A and MW-16 through MW-19) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-2A, MW-5A, and MW-11A) were not sampled. Wells MW-12, MW-14, and MW-15 were not scheduled for sampling. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

## 2.3 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 2024 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 Permian Basin Environmental in Midland, Texas, 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 and MW-8A during the March 2024 event were analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270C.

## 2.4 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.

Twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2024. The individual MDPE event recovery totals are as follows:

```
January 10, 2024 – 0.26 bbls vapor, 0.45 bbls liquid February 8, 2024 – 0.31 bbls vapor, 0.38 bbls liquid March 20, 2024 – 1.11 bbls vapor, 0.48 bbls liquid April 23, 2024 – 0.56 bbls vapor, 0.29 bbls liquid May 13, 2024 – 0.44 bbls vapor, 0.31 bbls liquid June 5, 2024 – 0.50 bbls vapor, 0.28 bbls liquid July 17, 2024 – 0.12 bbls vapor, 0.24 bbls liquid August 8, 2024 – 0.07 bbls vapor, 0.31 bbls liquid September 4, 2024 – 0.07 bbls vapor, 0.67 bbls liquid October 1, 2024 – 0.13 bbls vapor, 0.31 bbls liquid November 20, 2024 – 2.96 bbls vapor, 0.76 bbls liquid December 4, 2024 – 0.80 bbls vapor, 0.74 bbls liquid
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In 2024, an estimated total of 12.55 bbls of PSH were recovered during the MDPE events.

Historically, approximately 669.34 bbls of PSH, which consists of 304.19 bbls of vapor phase and 357.56 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 <u>Appendix B</u>. Laboratory analytical data reports and chain of custody documentation are provided in <u>Appendix C</u>.

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

## 3.1 Groundwater Monitoring Well Installation

On September 16, 2024, three (3) borings were advanced. The borings drilled were converted to 2-inch diameter polyvinyl chloride (PVC) monitor wells (MW-5A, MW-6A, and MW-9A). The three (3) borings were drilled to a depth of approximately 85 feet bgs. Twenty (20) feet of schedule 40 PVC well screen was installed from 61 feet bgs to 81 feet bgs and riser was installed above the screen followed by approximately 3.5 feet of aboveground riser pipe necessary for the aboveground completion. The wells have an 20/40 silica sand filter pack extending two (2) feet above the screen, a hydrated bentonite seal extending to 57 feet bgs, and a 57 foot Portland cement grout cap. The well completions include a locking well cap and a stick-up well cover. The locations of each well are presented on Figure 1 in Appendix A. State of New Mexico Well Reports are provided in Appendix D.

On September 12, 2024, five (5) monitoring wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were plugged and abandoned. The wells were filled with a layer of bentonite which ranged between 64 feet and 68 feet thick and then a layer of grout ranging between 2 feet and 6 feet was added above the bentonite until it had reached the ground surface.

## 3.2 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.

### 3.3 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2024. 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 05, 2024
- June 05, 2024
- September 06, 2024
- December 06, 2024

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 2024 and December 2024 was east/northeast with an average gradient of 0.0048 feet per foot (ft/ft), or

approximately 25.34 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.78 feet for the year 2024 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

## 3.4 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 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.02 feet to 0.36 feet.

During the June 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.44 feet.

During the September 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.35 feet.

During the December 2024 sampling event, PSH was observed in three (3) monitor wells (MW-2A, MW-5A, and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.08 feet.

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

## 3.5 Groundwater Sampling Results

During the March 2024 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 laboratory method detection limit (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 laboratory MDL in all wells sampled with the exception of MW-8A which exhibited an ethylbenzene concentration of 0.00149 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 xylene concentration of 0.00361 mg/L. 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 and MW-8A. The associated concentrations for all compounds were below the applicable NMWQCC groundwater standards.

During the June 2024 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.
   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 0.00145 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 0.00427 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the September 2024 sampling event, eight (8) monitor wells (MW-7A, MW-8A, 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 0.00250 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 0.00526 mg/L.
 Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the December 2024 sampling event, eight (8) monitor wells (MW-6A through MW-9A 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 with the exception of MW-6A and MW-9A, which exhibited benzene concentrations of 0.0881 mg/L and 0.00237 mg/L, respectively. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in MW-6A which had a concentration of 0.0881 mg/L.
- Toluene concentrations were less than the laboratory MDL in all wells with the exception of MW-9A, which exhibited a toluene concentration of 0.00224 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 with the exception of MW-6A and MW-9A, which exhibited ethylbenzene concentrations of 0.0470 mg/L and 0.00186 mg/L, respectively. 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-6A and MW-9A, which exhibited concentrations of 0.0466 mg/L and 0.00509 mg/L, respectively. 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 <u>Appendix B</u>. Laboratory analytical data reports and chain of custody documentation are provided in <u>Appendix C</u>.

### 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 2024.
- Groundwater levels at the subject site have decreased an average of 0.78 feet for the year 2024.
- PSH has impacted monitor wells MW-2A, MW-5A, and MW-11A in 2024. PSH levels and extent have fluctuated in 2024 between 0.01 feet in all wells to 0.44 feet in MW-11A.
- Replacement wells MW-5A, MW-6A, and MW-9A were installed in September 2024. Monitoring wells MW-3, MW-5, MW-6, MW-9, and MW-13 were plugged and abandoned during the same period.
- During the December 2024 sampling event, benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in monitor well MW-6A with a benzene concentration of 0.0881 mg/L.

### 4.2 Recommendations

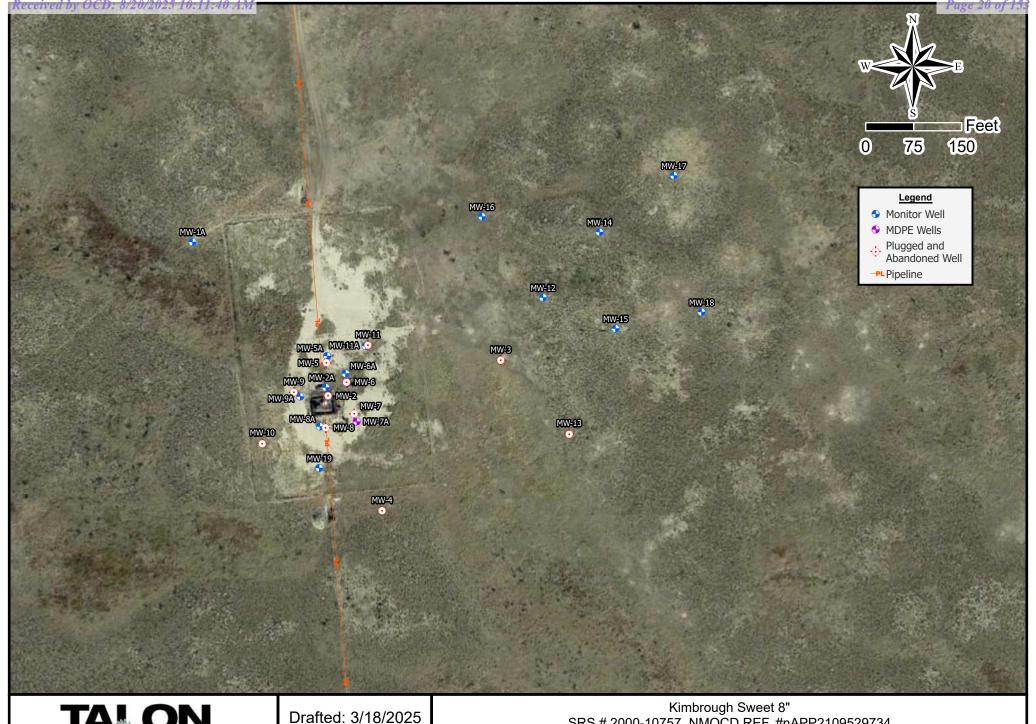
Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions:

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



# **APPENDIX A**

**Figures** 

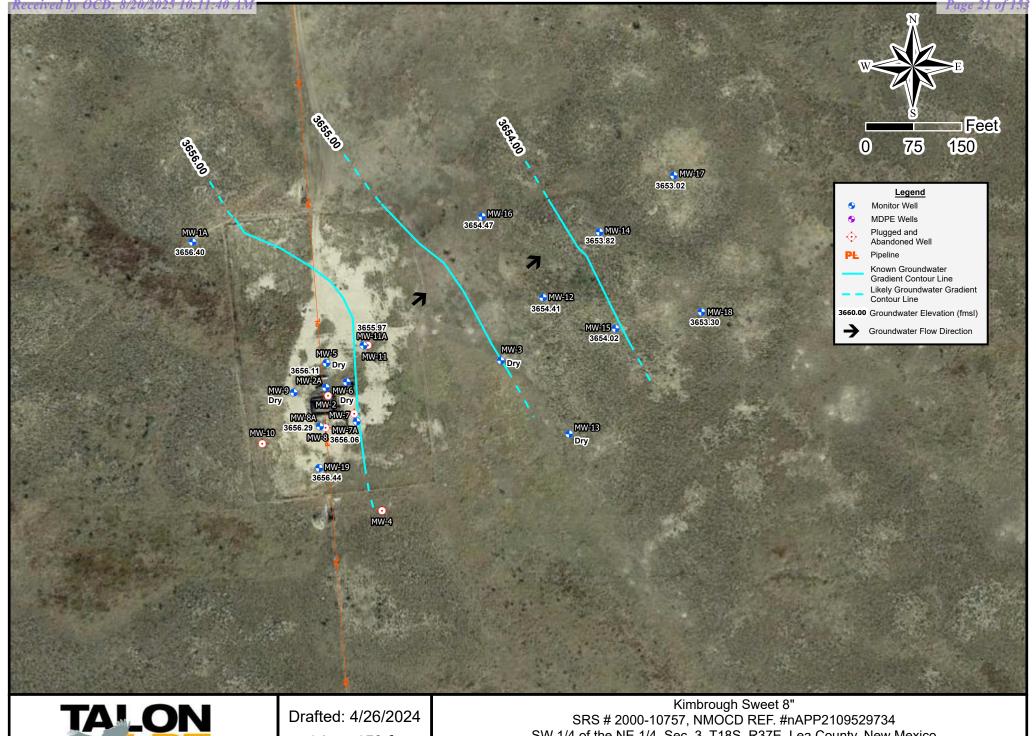


Drafted: 3/18/2025 1 in = 150 ft Drafted By: JAI Kimbrough Sweet 8"

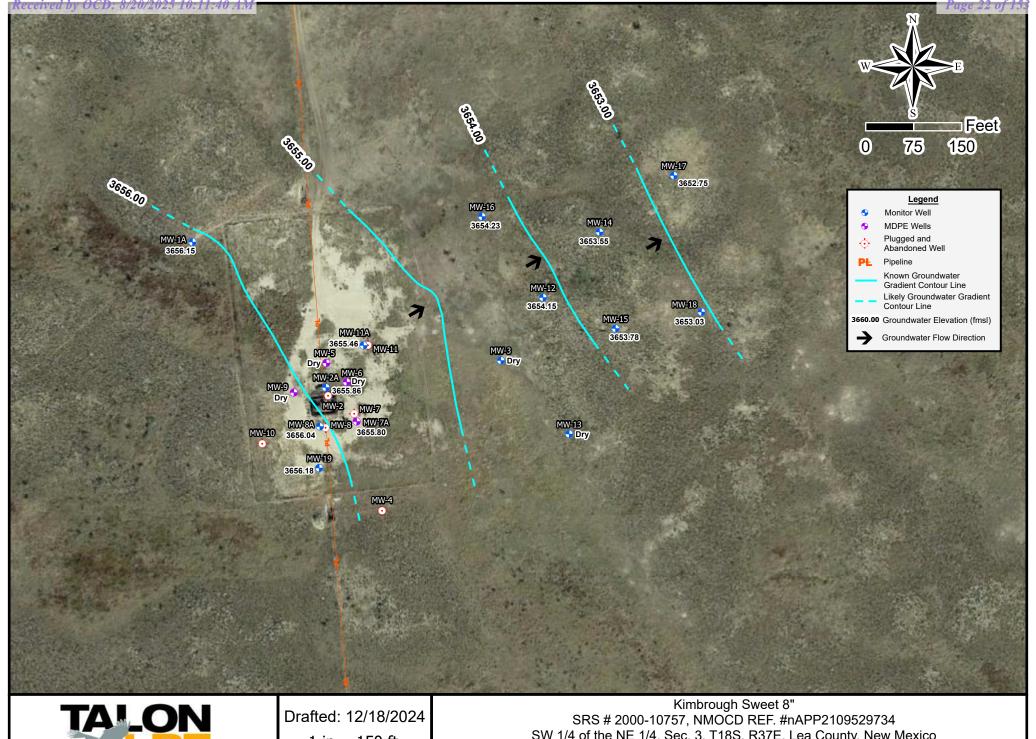
SRS # 2000-10757, NMOCD REF. #nAPP2109529734

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008

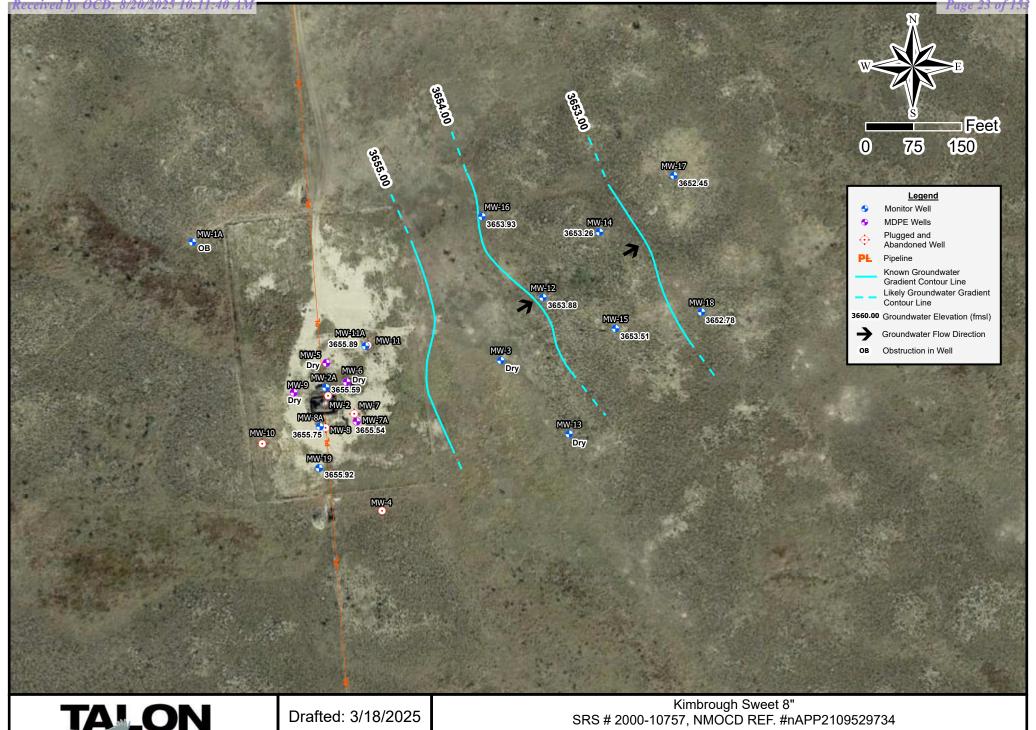
Figure 1 - Site Map



1 in = 150 ftDrafted By: IJR 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 (03/05/2024)



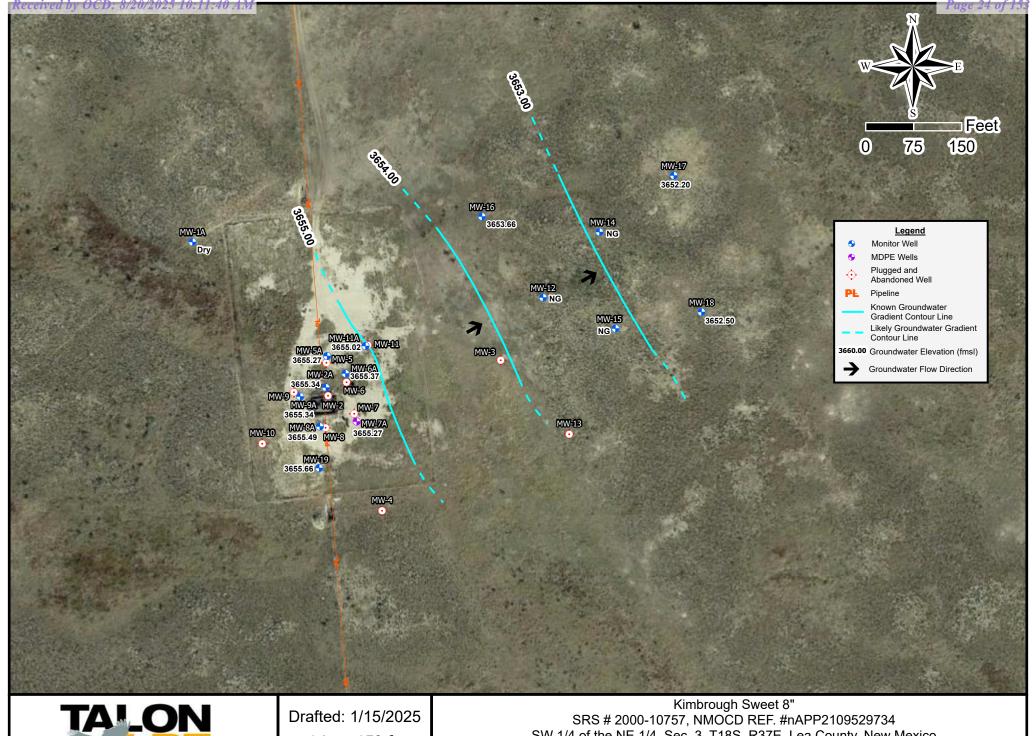
1 in = 150 ftDrafted By: IJR SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico 32.779804, -103.239008 Figure 2b - Groundwater Gradient Map (06/05/2023)



Drafted: 3/18/2025 1 in = 150 ft

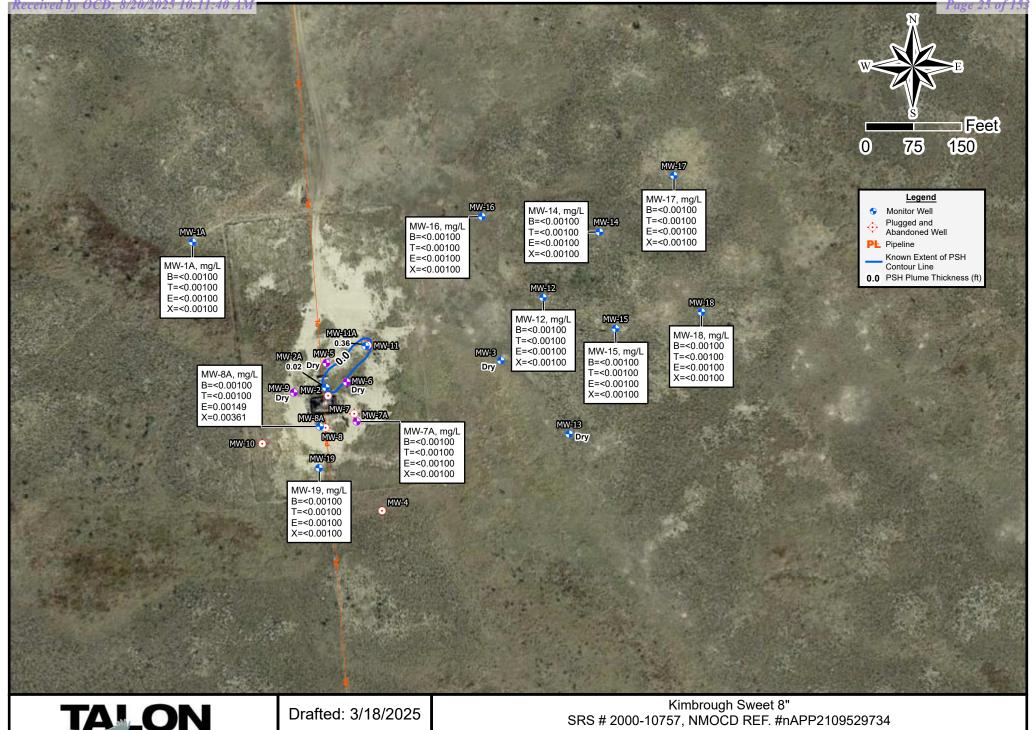
Drafted By: JAI

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 (09/06/2024)



1 in = 150 ftDrafted By: IJR 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 (12/06/2024)



1 in = 150 ft

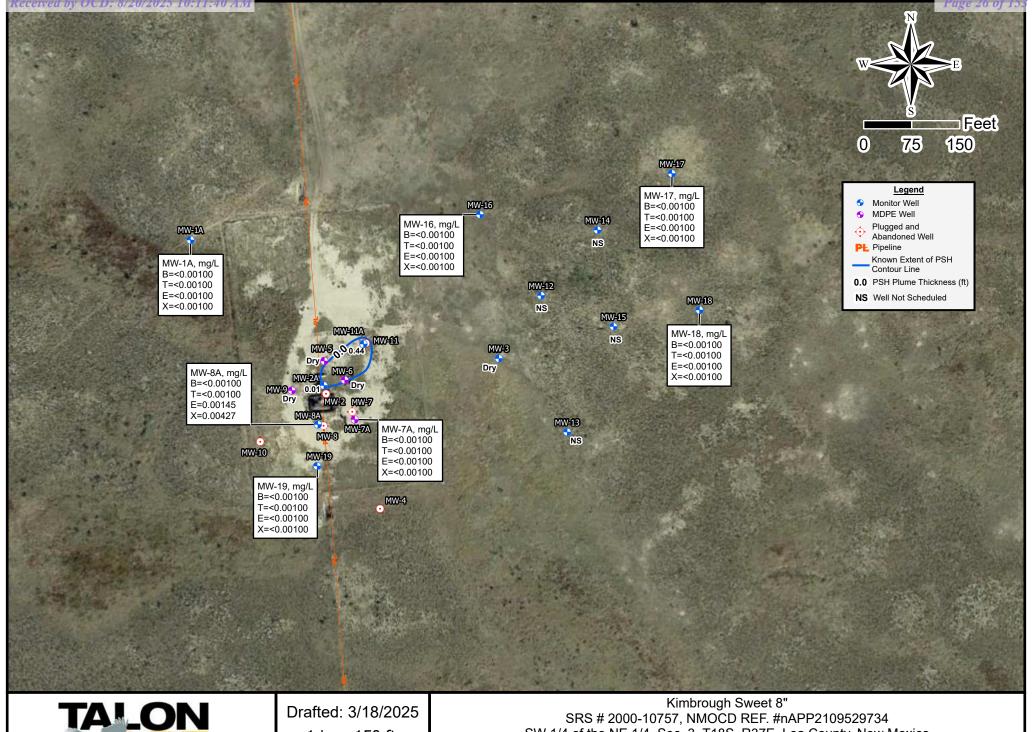
Drafted By: IJR

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

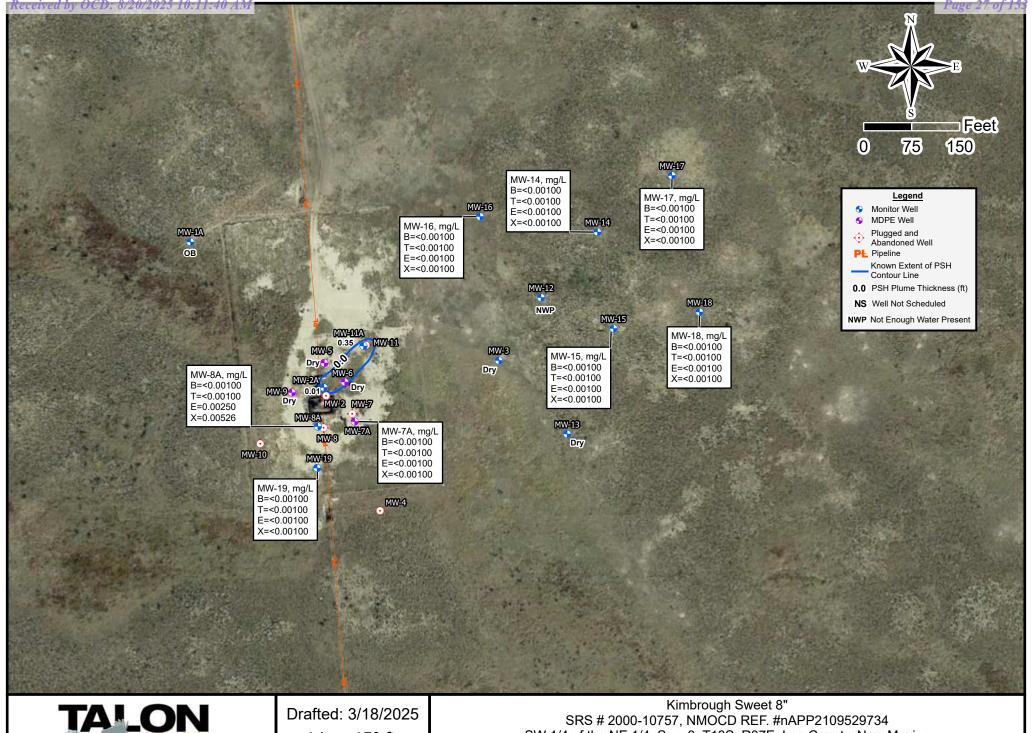
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/05/2024)



1 in = 150 ft

Drafted By: IJR

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 (06/05/2024)

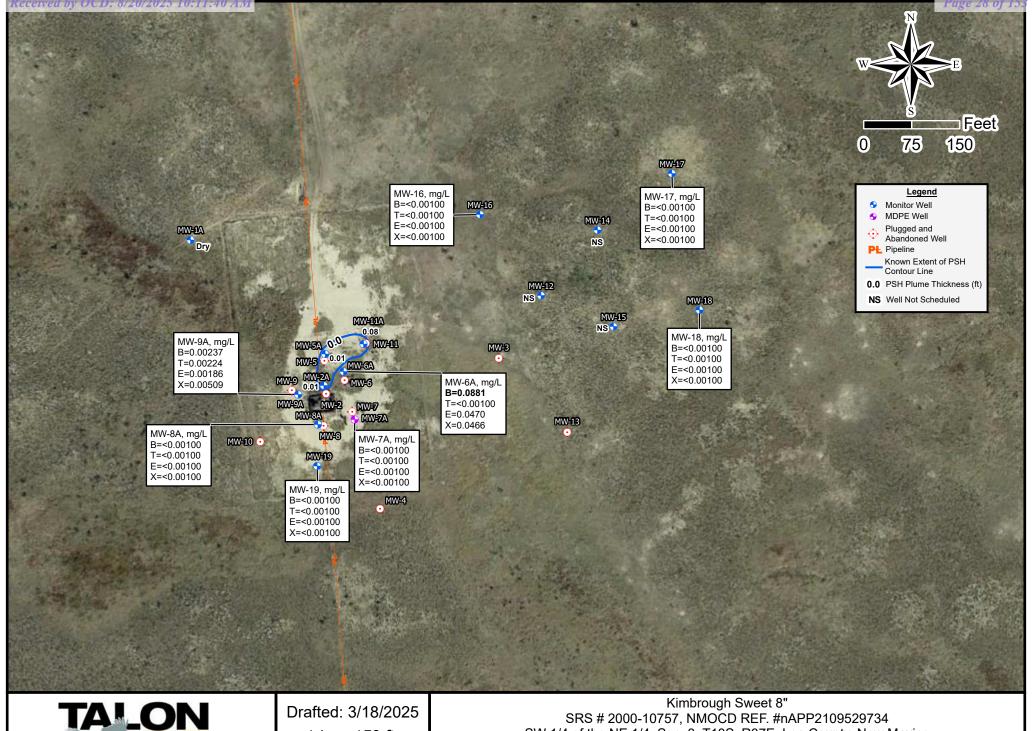


1 in = 150 ft

Drafted By: JAI

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 (09/06/2024)



1 in = 150 ft

Drafted By: JAI

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 (12/06/2024)



# **APPENDIX B**

Tables

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-1A	3723.46	55.7	85.7	03/10/2016	60.52	-	- (11)	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 09/12/2017	61.41 61.56	-	-	3662.05 3661.90
				12/13/2017	DS	-	-	- 3001.90
				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 09/21/2020	63.55 DR	-	-	3659.91
				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 3656.89
				09/08/2023 12/11/2023	66.57 66.84	-	-	3656.62
				03/05/2024	67.06			3656.40
				06/05/2024	67.31	-	-	3656.15
				09/06/2024	OB	-	-	-
				12/06/2024	DR	-	-	_
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 09/12/2017	DR DR	-	-	-
				12/13/2017	DR	<u> </u>	_	
				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
l				03/14/2019 06/11/2019	61.75 61.93	-	-	3660.50 3660.32
				03/14/2019 06/11/2019 09/23/2019	61.75 61.93 62.87	- - 61.90	- - 0.97	3660.50 3660.32 3660.19
				03/14/2019 06/11/2019 09/23/2019 12/09/2019	61.75 61.93 62.87 62.30	- - 61.90 62.25	- - 0.97 0.05	3660.50 3660.32 3660.19 3659.99
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020	61.75 61.93 62.87 62.30 62.77	- 61.90 62.25 62.37	- 0.97 0.05 0.40	3660.50 3660.32 3660.19 3659.99 3659.81
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020	61.75 61.93 62.87 62.30 62.77 63.05	- 61.90 62.25 62.37 62.63	- 0.97 0.05 0.40 0.42	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020	61.75 61.93 62.87 62.30 62.77	- 61.90 62.25 62.37	- 0.97 0.05 0.40	3660.50 3660.32 3660.19 3659.99 3659.81
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020	61.75 61.93 62.87 62.30 62.77 63.05 62.83	61.90 62.25 62.37 62.63 62.82	- 0.97 0.05 0.40 0.42 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05	61.90 62.25 62.37 62.63 62.82	- 0.97 0.05 0.40 0.42 0.01 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 03/23/2021 06/15/2021 09/16/2021	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49	- 0.97 0.05 0.40 0.42 0.01 - 0.01 -	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 03/23/2021 09/15/2021 09/16/2021	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06	61.90 62.25 62.37 62.63 62.82 63.04 - 63.92	- 0.97 0.05 0.40 0.42 0.01 0.01 - 0.01 -	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 03/23/2021 06/15/2021 12/01/2021 03/04/2022	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15	- 0.97 0.05 0.40 0.42 0.01 - 0.01 - 0.14 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.47 3658.47
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/211/2020 11/30/2020 03/23/2021 06/15/2021 09/16/2021 12/01/2021 03/04/2022 06/07/2022	61.75 61.93 62.87 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45	- 0.97 0.05 0.40 0.42 0.01 - 0.01 - 0.14 0.01 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.47 3658.31 3658.10
				03/14/2019 06/11/2019 09/23/2019 09/23/2019 03/09/2020 06/12/2020 09/21/2020 09/21/2020 03/23/2021 06/15/2021 12/01/2021 12/01/2022 05/07/2022 09/14/2022	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.87	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.68	- 0.97 0.05 0.40 0.42 0.01 0.01 - 0.01 - 0.01 0.01 0.01 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.31 3658.10 3657.54
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020 03/23/2021 06/15/2021 12/01/2021 03/04/2022 06/07/2022 12/06/2022	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.46 64.87	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.68 64.93	- 0.97 0.05 0.40 0.42 0.01 0.01 - 0.01 0.14 0.01 0.01 0.01 0.01 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.51 3659.43 3659.21 3658.76 3658.77 3658.47 3658.31 3658.10 3657.80
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 06/12/2020 03/23/2021 06/15/2021 06/15/2021 03/04/2022 06/07/2022 09/14/2022 03/03/2023	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.87 65.04	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.93 65.15	- 0.97 0.05 0.40 0.42 0.01 - 0.01 - 0.01 - 0.01 0.01 0.01 0.0	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.47 3658.31 3657.80 3657.50
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 09/21/2020 09/21/2020 03/23/2021 06/15/2021 09/16/2021 12/01/2021 12/01/2022 09/14/2022 09/14/2022 09/16/2022 09/16/2022 09/16/2022 09/16/2022	61.75 61.93 62.87 62.30 62.77 63.05 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.87 65.04 65.20 65.47	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.68 64.93	- 0.97 0.05 0.40 0.42 0.01 0.01 - 0.01 0.14 0.01 0.01 0.01 0.01 0.01	3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3658.91 3658.76 3658.47 3658.31 3658.10 3657.80
				03/14/2019 06/11/2019 09/23/2019 03/09/2020 06/12/2020 09/21/2020 09/21/2020 09/21/2020 09/21/2020 11/30/2020 06/15/2021 09/16/2021 12/01/2021 12/01/2021 12/06/2022 09/14/2022 12/06/2022 03/03/2023 06/09/2023	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.87 65.04	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.68 64.93 65.15 65.39		3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.47 3658.31 3657.80 3657.50
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 09/21/2020 09/21/2020 03/23/2021 06/15/2021 09/16/2021 12/01/2021 12/01/2022 09/14/2022 09/14/2022 09/16/2022 09/16/2022 09/16/2022 09/16/2022	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 63.78 64.06 64.16 64.46 64.87 65.04 65.20 65.47 DR	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.68 64.93 65.15 65.39		3660.50 3660.32 3660.32 3659.99 3659.81 3659.55 3659.43 3659.21 3658.76 3658.76 3658.31 3658.10 3657.80 3657.54 3657.30
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 09/21/2020 03/23/2021 11/30/2020 06/15/2021 12/01/2021 03/04/2022 06/07/2022 05/06/2023 06/09/2023 06/09/2023 09/08/2023 12/11/2023	61.75 61.93 62.87 62.30 62.77 63.05 62.83 63.05 63.29 63.50 64.16 64.46 64.46 64.46 65.20 65.20 65.27 DR	- 61.90 62.25 62.37 62.63 62.82 63.04 - 63.49 - 63.92 64.15 64.45 64.45 64.93 65.15 65.39		3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.76 3658.77 3658.47 3658.31 3657.80 3657.54 3657.30 3657.09 3656.33
				03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 06/12/2020 03/23/2021 06/15/2021 03/23/2021 06/15/2021 03/04/2022 06/07/2022 09/14/2022 03/03/2023 06/09/2023 09/08/2023 03/05/2024	61.75 61.93 62.87 62.30 62.77 63.05 63.29 63.50 63.29 63.50 64.16 64.46 64.46 64.87 65.04 65.20 65.47 DR 65.93 66.16			3660.50 3660.32 3660.19 3659.99 3659.81 3659.55 3659.43 3659.21 3658.96 3658.76 3658.47 3658.31 3657.80 3657.50 3657.50 3656.85

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

Comple ID	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwater
Sample ID	Elevation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
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	DR	-	-	-
				06/07/2022	DR	-	-	-
				09/14/2022	DR	-	-	-
				12/06/2022	DR	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR	-	-	-
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW <del>-4</del>	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	-	-	-

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

Sample ID	Casing E <b>l</b> evation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
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 03/06/2017	62.42 62.59	61.62 62.10	0.80 0.49	3662.33 3661.90
				06/08/2017	62.69	62.25	0.49	3661.76
				09/12/2017	63.19	62.40	0.79	3661.55
				12/13/2017	63.10	62.58	0.73	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	DR	-	-	-
				06/07/2022	DR	-	-	-
				09/14/2022	DR	-	-	-
				12/06/2022	DR	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR DR	-	-	
				09/08/2023 12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	<del>-</del>
				06/05/2024	DR	<del>-</del>		<del></del>
				09/06/2024	DR	-	-	-
				09/12/2024	PA		_	<del></del>
MW-5A	3722.85	61	81	10/31/2024	67.47	-	-	3655.38
4"	0722.00	"	"	12/06/2024	67.59	67.58	0.01	3655.27
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 63.34	- 63.31	0.03	3659.10
				03/23/2021	65.52		0.03	3658.85 3656.65
				09/16/2021	63.83	65.51 63.78	0.01	3658.37
				12/01/2021	64.00	63.76	0.03	3658.18
				03/04/2022	64.20	64.19	0.02	3657.97
				06/07/2022	64.51	64.46	0.05	3657.69
				09/14/2022	64.93	64.69	0.03	3657.69
				12/06/2022	65.01	64.96	0.24	3657.19
				03/03/2023	65.18	65.17	0.03	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	- 05.04	- 0.01	- 3030.32
				03/05/2024	DR	<del>-</del>	-	<del></del>
				06/05/2024	DR	-	-	-
				09/06/2024	DR	<del>-</del>	-	<del>-</del>
				09/12/2024	PA		-	<del>-</del>
MW-6A	3722.85	61	81	10/31/2024	67.36	<del>-</del>	-	3655.49
VIVV <del>-</del> 6A '								

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

Sample ID	Casing E <b>l</b> evation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-7 4''	3723.23	44	64	03/10/2016 05/27/2016	61.50 60.93	60.53 60.83	0.97 0.10	3662.54
4				09/09/2016	61.69	61.01	0.10	3662.38 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 62.15	-	-	3660.44
				09/23/2019	62.13	-	-	3660.27 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
				03/05/2024	66.36	-	-	3656.06
				06/05/2024	66.62	-	-	3655.80
				09/06/2024	66.88	-	-	3655.54
1144.0	0700 44	44	0.4	12/06/2024	67.15	-	-	3655.27
/IW-8 4''	3723.41	41	61	03/10/2016	63.20	60.11	3.09	3662.79
4				05/27/2016 09/09/2016	63.43 61.81	60.26 60.47	3.17 1.34	3662.63 3662.72
				12/01/2016	61.63	60.61	1.02	3662.63
				03/06/2017	DR		-	- 3002.03
				06/08/2017	DR		_	<del>-</del>
				09/12/2017	DR	-	-	_
				12/13/2017	DR	-	-	_
				03/22/2018	DR	_	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
/IW-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 66.40	-	-	3657.27 3657.01
				09/08/2023	66.63	-	-	3656.78
				12/11/2023	66.91	<u> </u>		3656.50
				03/05/2024	67.12	-	-	3656.29
				06/05/2024	67.12	-	-	3656.04
					01.01			. 0000.04
				09/06/2024	67.66	_	_	3655.75

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(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	-	-	- 2050.00
				09/16/2021	63.29	-	-	3659.96
				12/01/2021	63.31	-	-	3659.94
				03/04/2022	DR	-	-	3660.12
				06/07/2022 09/14/2022	63.13 63.20	-	-	3660.05
						-	-	3660.03
				12/06/2022	63.23	-	-	
				03/03/2023	63.23 63.31	-	-	3660.02 3659.94
				09/08/2023	63.37	-	-	3659.88
				12/11/2023	DR			5059.00
				03/05/2024	DR			<u> </u>
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA		_	
MW-9A	3722.62	61	81	10/31/2024	67.19			3655.43
IVIVV-5A	3722.02	"	"	12/06/2024	67.13		_	3655.34
MW-10	3724.14	40.1	60.1	03/10/2016	DR	-	-	-
2"	0,2,,,,	'0	""	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
1				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
			<u></u>	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	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-11A	3722.32	60	80	09/12/2018	61.71	-	-	3660.61
2"				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	- 00.50	- 0.40	3658.90
				03/22/2021	64.02	63.59	0.43	3658.66
				06/15/2021	63.87 64.43	63.86 64.11	0.01 0.32	3658.46 3658.39
				09/16/2021 12/01/2021	65.39	65.37	0.02	3657.18
				03/04/2022	64.58	64.57	0.02	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
				03/05/2024	66.88	66.52	0.36	3655.94
				06/05/2024	67.23	66.79	0.44	3655.66
				09/06/2024	66.95	66.60	0.35	3655.89
				10/31/2024	67.84	67.32	0.52	3655.11
				12/06/2024	67.57	67.49	0.08	3655.02
MW-12	3724.11	43	73	03/10/2016	63.08	-	-	3661.03
2"				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 12/13/2017	64.13 64.31	-	-	3659.98 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 3655.17
			06/09/2023	68.94				
				I namaman I				
				09/08/2023	69.20	-	-	3654.91
				12/11/2023	69.42	-	-	3654.69
						- - -	-	

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

Sample ID	Casing E <b>l</b> evation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation	
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fms <b>i</b> )	
MW-13	3723.19	43	73	03/10/2016	61.96	-	-	3661.23	
2"				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 09/12/2017	62.85 63.01	-	-	3660.34 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 66.80	-	-	3656.67 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	-	-	-	
				03/05/2024	DR	-	-	-	
			06/05/2024	DR	-	-	-		
				09/06/2024	DR	-	-	-	
				09/12/2024	PA	-	-	-	
MW-14	3725.10	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	
	İ					06/08/2017			
			1		65.55	-	-	3659.55	
	ļ			09/12/2017	65.68	-	-	3659.42	
				09/12/2017 12/13/2017	65.68 65.85	-	-	3659.42 3659.25	
				09/12/2017 12/13/2017 03/22/2018	65.68 65.85 66.05	-	-	3659.42 3659.25 3659.05	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018	65.68 65.85 66.05 66.24	- - -	- - -	3659.42 3659.25 3659.05 3658.86	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018	65.68 65.85 66.05 66.24 66.26	- - - -	- - - -	3659.42 3659.25 3659.05 3658.86 3658.84	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018	65.68 65.85 66.05 66.24 66.26 66.46	- - - -		3659.42 3659.25 3659.05 3658.86 3658.84 3658.64	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019	65.68 65.85 66.05 66.24 66.26 66.46 66.72	- - - -	- - - -	3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 06/11/2019	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84	- - - -		3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03	- - - - - - -	- - - - - - -	3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26 3658.07	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019 12/09/2019	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25			3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26 3658.07	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019 12/09/2019 03/09/2020	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45	- - - - - - -	- - - - - - -	3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26 3658.07	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019 12/09/2019	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.03 67.25 67.45			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3658.26 3658.785 3657.85	
				09/12/2017 12/13/2017 03/22/2018 09/12/2018 12/10/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019 12/09/2019 12/09/2019 06/12/2020 09/21/2020	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45			3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26 3658.07 3657.85	
				09/12/2017 12/13/2017 03/22/2018 09/12/2018 12/10/2018 12/10/2019 06/11/2019 09/23/2019 12/09/2019 03/19/2020 06/12/2020	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3658.07 3657.85 3657.65 3657.45	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 09/12/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.45 67.87 68.05			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.38 3658.38 3657.85 3657.65 3657.45 3657.23	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 03/14/2019 06/11/2019 06/11/2019 12/09/2019 03/09/2020 06/12/2020 01/13/02/2020 03/22/2021	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3658.07 3657.85 3657.65 3657.43 3657.23	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 03/14/2019 09/23/2019 12/09/2019 03/09/2020 09/21/2020 09/21/2020 03/22/2021 06/15/2021 11/30/2021	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.45 67.87 68.05 68.31 68.55 68.84 68.95			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3657.85 3657.65 3657.45 3657.23 3657.05 3656.79 3656.55	
				09/12/2017 12/13/2017 03/22/2018 09/12/2018 09/12/2018 12/10/2018 03/14/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 05/21/2020 11/30/2021 06/15/2021 09/16/2021 09/16/2021 03/04/2022	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 68.95 69.26			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.38 3658.39 3657.65 3657.65 3657.43 3657.23 3657.23 3656.26 3656.26	
				09/12/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 12/10/2018 03/14/2019 06/11/2019 09/23/2019 12/09/2019 06/12/2020 09/21/2020 09/21/2020 06/15/2021 09/16/2021 11/30/2020 09/16/2021 11/30/2020	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 68.95 69.26			3659.42 3659.25 3659.05 3658.86 3658.84 3658.63 3658.64 3658.38 3658.26 3657.65 3657.45 3657.23 3657.23 3657.95 3656.79 3656.79 3656.55	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 12/10/2018 09/12/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020 03/22/2021 11/30/2021 03/04/2022 09/14/2022 09/14/2022	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.05 68.31 68.55 68.84 68.95 69.26 69.55 69.79			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3657.85 3657.45 3657.45 3657.23 3657.05 3656.79 3656.55 3656.55 3655.84	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 03/14/2019 09/23/2019 12/09/2019 03/09/2020 09/21/2020 09/21/2020 11/30/2020 03/22/2021 06/15/2021 03/04/2022 06/07/2022 12/06/2022 12/06/2022	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.45 67.87 68.05 68.31 68.55 68.84 68.95 69.26 69.55 69.79			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3657.85 3657.65 3657.45 3657.45 3657.65 3656.55 3656.56 3656.26 3656.15 3655.84 3655.51	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 09/12/2019 06/11/2019 09/23/2019 12/09/2019 12/09/2019 09/21/2020 09/21/2020 09/21/2020 09/12/2021 06/15/2021 09/16/2021 11/30/2020 09/16/2021 03/04/2022 09/14/2022 09/14/2022 09/14/2022 03/03/2023	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 69.55 69.26 69.55 69.79 70.03 70.28			3659.42 3659.25 3659.05 3658.86 3658.84 3658.64 3658.38 3658.26 3657.65 3657.65 3657.65 3657.65 3657.65 3656.79 3656.79 3656.55 3656.29 3656.15 3655.84 3655.84 3655.55	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 12/10/2018 09/12/2018 12/10/2018 09/12/2019 06/11/2019 09/23/2019 12/09/2020 06/12/2020 09/21/2020 09/21/2020 11/30/2020 06/15/2021 09/16/2021 11/30/2020 06/07/2022 09/14/2022 12/06/2022 12/06/2022 06/09/2023	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.87 68.05 67.87 68.05 68.31 68.55 68.84 68.95 69.26 69.79 70.03 70.28 70.52			3659.42 3659.25 3659.05 3658.86 3658.84 3658.83 3658.26 3657.85 3657.65 3657.65 3657.65 3657.65 3656.79 3656.59 3656.55 3656.55 3656.15 3655.84 3655.95	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 09/12/2018 12/10/2018 09/12/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020 03/22/2021 11/30/2021 03/04/2022 09/16/2021 11/30/2021 03/04/2022 09/14/2022 03/03/2023 09/08/2023	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 68.95 69.26 69.55 69.79 70.03 70.28 70.28 70.79			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3657.85 3657.45 3657.45 3657.45 3656.79 3656.79 3656.55 3656.55 3655.84 3655.84 3655.85 3655.81	
				09/12/2017 12/13/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 03/14/2019 09/23/2019 12/09/2019 03/09/2020 09/21/2020 09/21/2020 03/22/2021 11/30/2021 03/04/2022 06/07/2022 09/14/2022 03/03/2023 06/09/2023 12/10/2023	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 68.95 69.26 69.26 69.25 69.79 70.03 70.28 70.52 70.79 71.06			3659.42 3659.25 3659.05 3658.86 3658.84 3658.84 3658.38 3658.26 3657.85 3657.85 3657.45 3657.73 3656.79 3656.75 3656.75 3656.55 3655.84 3655.84 3655.84 3655.84 3655.84	
				09/12/2017 12/13/2017 12/13/2017 03/22/2018 06/12/2018 09/12/2018 09/12/2018 12/10/2018 09/12/2019 09/23/2019 12/09/2019 03/09/2020 06/12/2020 09/21/2020 11/30/2020 03/22/2021 11/30/2021 03/04/2022 09/16/2021 11/30/2021 03/04/2022 09/14/2022 03/03/2023 09/08/2023	65.68 65.85 66.05 66.24 66.26 66.46 66.72 66.84 67.03 67.25 67.45 67.65 67.87 68.05 68.31 68.55 68.84 68.95 69.26 69.55 69.79 70.03 70.28 70.28 70.79			3659.42 3659.25 3659.05 3658.86 3658.84 3658.38 3658.26 3657.85 3657.45 3657.45 3657.45 3656.79 3656.79 3656.55 3656.55 3655.84 3655.84 3655.85 3655.81	

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

Sample ID	Casing Elevation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
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 03/22/2018	66.63 66.82	-	-	3659.43 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 69.45	-	-	3656.47 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
				03/05/2024	72.04	-	-	3654.02
				06/05/2024	72.28	-	-	3653.78
	2722.22	50.7		09/06/2024	72.55	-	-	3653.51
MW-16	3722.32	52.7	82.7	03/10/2016	61.23	-	-	3661.09
2"				05/27/2016 09/09/2016	61.39 61.60	-	-	3660.93 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 03/09/2020	63.81 64.02	-	-	3658.51 3658.30
				06/12/2020	64.02	-	-	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 3655.23
				06/09/2023	67.09 67.33	-	-	3655.23
				12/11/2023	67.61	-	-	3654.71
				03/05/2024	67.85	-	-	3654.47
•	I		I	06/05/2024	68.09	-	-	3654.23
				09/06/2024	68.39	-	-	3653.93

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

Sample ID	Casing E <b>l</b> evation	Top of Screen	Bottom of Screen	Sample Date	Depth to Water	Depth to Product	Product Thickness	Groundwate Elevation
	(fmsl)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-17	3725.28	56.6	86.6	03/10/2016	65.55	-	-	3659.73
2"				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 09/12/2018	67.11 67.16	-	-	3658.17 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
				03/05/2024	72.26	-	-	3653.02
				06/05/2024	72.53	-	-	3652.75
				09/06/2024	72.83	-	-	3652.45
MW-18	3724.75	55.8	85.8	12/06/2024	73.08	-		3652.20
2"	3/24./5	55.6	05.0	03/10/2016 05/27/2016	64.80 64.63	-	-	3659.95 3660.12
2				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
	Ì			03/04/2022	69.43	-	-	3655.32
		I	I	06/07/2022	69.71	-	-	3655.04
					69.92	-		3654.83 3654.56
				09/14/2022	70.10			
				12/06/2022	70.19	-	-	
				12/06/2022 03/03/2023	70.43	-	-	3654.32
				12/06/2022 03/03/2023 06/09/2023	70.43 70.68		-	3654.32 3654.07
				12/06/2022 03/03/2023 06/09/2023 09/08/2023	70.43 70.68 70.91	-	-	3654.32 3654.07 3653.84
				12/06/2022 03/03/2023 06/09/2023 09/08/2023 12/11/2023	70.43 70.68 70.91 71.21	-	- - -	3654.32 3654.07 3653.84 3653.54
				12/06/2022 03/03/2023 06/09/2023 09/08/2023 12/11/2023 03/05/2024	70.43 70.68 70.91 71.21 71.45	- - - -	-	3654.32 3654.07 3653.84 3653.54 3653.30
				12/06/2022 03/03/2023 06/09/2023 09/08/2023 12/11/2023	70.43 70.68 70.91 71.21	-	- - -	3654.32 3654.07 3653.84 3653.54

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

0	Casing	Top of	Bottom of	Sample	Depth to	Depth to	Product	Groundwate
Sample ID	E <b>l</b> evation	Screen	Screen	Date	Water	Product	Thickness	Elevation
	(fms <b>i</b> )	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(fmsl)
MW-19	3722.80	60	80	09/12/2018	61.58	-	-	3661.22
2"				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
				03/05/2024	66.36	-	-	3656.44
				06/05/2024	66.62	-	-	3656.18
				09/06/2024	66.88	-	-	3655.92
				12/06/2024	67.14	-	-	3655.66

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	Toluene	Ethy <b>l</b> benzene	Total Xylenes	Total BTEX	Notes
NMWOCC - Grou	indwater Standards	(mg/L) 0.010	(mg/L) 0.750	(mg/L) 0.750	(mg/L) 0.620	(mg/L)	
MW-1A	03/10/2016	<0.000223	<0.000238	<0.000238	<0.00243		_
••••	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 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000630 <0.000630	0.000410 J <0.000367	-
	11/30/2020	<0.000408	<0.000367	<0.000057	<0.000630	<0.000367	-
	03/23/2021	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	
	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	<0.00200	<0.00260	<0.00266	<0.000400	<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	
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
/W-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	-
/IW-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 <0.000480	<0.000367	<0.000657 <0.000616	<0.000630 <0.000270	0.000910 J <0.000270	-
	06/12/2018 09/13/2018	<0.000480	<0.000512 <0.000367	<0.000616	<0.000270	<0.000270	-
	12/11/2018	<0.000408	<0.000507	<0.000637	<0.00030	<0.000307	
	03/20/2019	<0.000400	<0.000512	<0.0005	<0.000270	<0.000270	-
	09/12/2024	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	
	09/12/2024		_			- 1	
<b>1</b> W-6	12/01/2020	7.00 D				_	- ΡΔ
			0.773 D	0.350	0.6770	- 9.690	PA
		7.89 D	0.773 D -	0.350	0.6770	- 9.690 -	-
1W-6A	09/12/2024		<b>0.773 D</b> - <0.00100	-	-		- PA - PA
		-	-			-	-
	09/12/2024 12/06/2024	- 0.0881	- <0.00100	- 0.0470	- 0.0466	- 0.182	PA
	09/12/2024 12/06/2024 09/13/2018	- <b>0.0881</b> <0.000408 <0.000480 <0.000408	- <0.00100 <0.000367	- 0.0470 <0.000657	- 0.0466 <0.000630	- 0.182 <0.000367	PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018	- 0.0881 <0.000408 <0.000480	- <0.00100 <0.000367 <0.000512	- 0.0470 <0.000657 <0.000616	- 0.0466 <0.000630 <0.000270	- 0.182 <0.000367 <0.000270	PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019	- 0.0881 <0.000408 <0.000480 <0.000408 <0.000408 <0.000408	- <0.00100 <0.000367 <0.000512 <0.000367 <0.000367	- 0.0470 <0.000657 <0.000616 <0.000657 <0.000657	- 0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367	PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019	- 0.0881 <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408	- <0.00100 <0.000367 <0.000512 <0.000367 <0.000367	- 0.0470 <0.000657 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657	- 0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630	- PA - - - - -
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020	- 0.0881 <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 0.000440 J	- <0.00100 <0.000367 <0.000512 <0.000367 <0.000367 <0.000367 0.000880 <0.000367	- 0.0470 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657	- 0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000880 0.000440 J	- PA - - - - -
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020	-0.0881 <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 0.000440 J 0.000570 J	- 0.00100 <0.000367 <0.000512 <0.000367 <0.000367 <0.000367 0.000880 <0.000367 0.000640 J	- 0.0470 <0.000657 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657	- 0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063 <0.000630 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000880 0.000440 J 0.00121 J	- PA - - - - -
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020	-0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000404 0.000440 J 0.000570 J <0.000408	<0.00100 <0.000367 <0.000512 <0.000367 <0.000367 <0.000367 0.000880 0.000367 0.000640 J <0.000367	- 0.0470 <0.000657 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657	-0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063 <0.000630 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000880 0.000440 J 0.00121 J <0.000367	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 12/09/2019 03/10/2020 06/16/2020 12/01/2020 12/01/2020	- 0.0881 <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 0.000400 -0.000570 J <0.000408 0.000408	-\ (-0.00100\) <0.000367\) <0.000367\) <0.000367\) <0.000367\) <0.000367\) <0.000367\) 0.000369\) <0.000367\) <0.000367\) <0.000367\) <0.000367\) <0.000367\)	- 0.0470 <0.000657 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657	- 0.0466 <0.000630 <0.000270 <0.00063 0.000630 <0.00063 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000440 J 0.00121 J <0.000367 0.000367	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021	0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 0.000409 0.000470 <0.000409 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.000360</li> <li>&lt;0.000367</li> <li>&lt;0.000367&lt;</li></ul>	0.0470 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657	- 0.0466 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630	- 0.182 - 0.000367 - 0.000270 - 0.000367 - 0.000630 - 0.000367 - 0.00080 - 0.00121 J - 0.00130 J - 0.00130 J - 0.00200	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.000408 0.00103 J <0.00200 <0.00200	- <0.00100 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000880 <0.000367 0.000640 J <0.000367 <0.002000 <0.002000	- 0.0470 - 0.0470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000057 - 0.002000 - 0.00200	- 0.0466 <0.00630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000880 0.000440 J 0.00121 J <0.000367 0.001030 J <0.00200 <0.00400	- PA
	09/12/2024 12/06/2024 12/106/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 03/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 <0.000409 <0.000409 <0.000409 <0.000408 0.00103 J <0.00200 <0.00200	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> </ul>	- 0.0470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.00200 - 0.00200 - 0.00200	- 0.0466 <0.000630 <0.000270 <0.00063 0.00063 <0.00063 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630	- 0.182 <0.000367 <0.000270 <0.000387 0.000630 <0.000387 0.000880 0.000440 J 0.00121 J <0.000367 0.001030 J <0.00200 <0.00200 0.00112 J	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 12/09/2019 03/10/2020 06/16/2020 06/16/2020 12/01/2020 03/24/2021 06/18/2021 06/18/2021 12/01/2021	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.00040 0.00103 J <0.00200 <0.00200 <0.00200	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> </ul>	- 0.0470 -0.00657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200	- 0.0466 <0.000630 <0.000630 <0.000270 <0.00063 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400	- 0.182 - 0.000367 - 0.000367 - 0.000630 - 0.000367 - 0.00080 - 0.000367 - 0.00080 - 0.00040 J - 0.00121 J - 0.00130 J - 0.00200 - 0.00400 - 0.00400 - 0.00400	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 09/16/2021 12/01/2020 03/07/2022	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 0.000404 0.000570 J <0.000408 <0.000400 <0.000400 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.000200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> </ul>	- 0.0470 -0.00657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200	- 0.0466 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.0006	- 0.182 <0.000367 <0.000367 <0.000270 <0.000630 <0.000367 <0.000880 <0.000440 J <0.00121 J <0.000367 <0.00130 J <0.00200 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 06/18/2021 06/18/2021 09/16/2021 12/01/2020 03/24/2021 06/18/2021	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.000409 <0.000103 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	- (0.00100 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000880 <0.000367 0.000200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200	- 0.0470 - 0.0470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.00200	- 0.0466 <0.00630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000642	- 0.182 <0.000367 <0.000367 <0.000270 <0.000367 0.000830 <0.000367 0.000880 0.000440 J <0.00121 J <0.000367 0.00130 J <0.00200 <0.00400 0.00112 J <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000657 <0.000657	- PA
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	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 12/09/2019 03/10/2020 06/16/2020 12/01/2020 03/24/2021 06/18/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 06/07/2022	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.000408 <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> </ul>	- 0.0470 -0.00657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.002057 -0.000657 -0.000657 -0.000657 -0.000657	- 0.0466 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000640 <0.000642 <0.000642 <0.000642	- 0.182   - 0.00367   - 0.000367   - 0.000367   - 0.000630   - 0.000367   - 0.00080   - 0.00040   - 0.00121   - 0.00130   - 0.00130   - 0.00200   - 0.00400   - 0.00400   - 0.00657   - 0.000657   - 0.000657   - 0.000657	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 09/16/2022 12/06/2022 03/07/2022	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 0.000409 0.000570 J <0.000408 <0.000400 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> <li>&lt;0.000367</li> </ul>	-0.0470 -0.00657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.00200 -0.000657 -0.000657 -0.000657 -0.000657 -0.000657	- 0.0466 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000642 <0.000642 <0.000642 <0.000642	- 0.182 - 0.000367 - 0.000367 - 0.000630 - 0.000630 - 0.00040 J - 0.00121 J - 0.00130 J - 0.00130 J - 0.00120 - 0.00112 J - 0.00130 J - 0.00200 - 0.00400 - 0.00400 - 0.00400 - 0.00657 - 0.000657 - 0.000657	- PA
	09/12/2024 12/06/2024 12/106/2024 12/11/2018 03/15/2019 06/11/2019 03/24/2019 12/09/2019 03/10/2020 06/16/2020 03/23/2020 12/01/2020 03/24/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 03/07/2022 03/07/2023 06/13/2023	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 <0.000570 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.000367</li> <li>&lt;0.000367<td>- 0.0470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.002057 - 0.000657 - 0.000657</td><td>- 0.0466 &lt;0.000630 &lt;0.000400 &lt;0.00400 &lt;0.00400 &lt;0.00400 &lt;0.00400 &lt;0.000642 &lt;0.000642 &lt;0.000642 &lt;0.000642 &lt;0.000642 &lt;0.000642 &lt;0.000642</td><td>- 0.182 &lt;0.00367 &lt;0.000367 &lt;0.000387 0.000630 &lt;0.000387 0.000880 0.000440 J 0.00121 J &lt;0.000367 0.001030 J &lt;0.00200 &lt;0.00400 0.00112 J &lt;0.00400 0.00112 J &lt;0.00657 &lt;0.000657 &lt;0.000657 &lt;0.000657 &lt;0.000657 &lt;0.000657 0.000896</td><td>- PA</td></li></ul>	- 0.0470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.002057 - 0.000657 - 0.000657	- 0.0466 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	- 0.182 <0.00367 <0.000367 <0.000387 0.000630 <0.000387 0.000880 0.000440 J 0.00121 J <0.000367 0.001030 J <0.00200 <0.00400 0.00112 J <0.00400 0.00112 J <0.00657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 0.000896	- PA
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	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 12/01/2020 03/24/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 06/07/2022 03/07/2023 06/13/2023 12/11/2023	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00206</li> <li>&lt;0.000367</li> <li>&lt;0.000500</li> <li>&lt;0.000500</li> <li>&lt;0.000500</li> <li>&lt;0.000100</li> </ul>	- 0.0470 - 0.00657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.002057 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000500 - 0.000500 - 0.000500	- 0.0466 - 0.000630 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000602 - 0.0006500 - 0.00100	- 0.182   - 0.00367   - 0.000367   - 0.000630   - 0.000367   - 0.00080   - 0.000367   - 0.00080   - 0.000367   - 0.000367   - 0.000367   - 0.000367   - 0.00130   - 0.00130   - 0.00200   - 0.00400   - 0.00400   - 0.00657   - 0.000657   - 0.000657   - 0.000657   - 0.000657   - 0.00096   - 0.000500   - 0.00100	- PA
	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 09/16/2022 12/06/2022 03/07/2023 06/13/2023 06/13/2023 09/08/2023 03/05/2024	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 <0.000409 <0.000409 <0.000409 <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.000367</li> /ul>	- 0.0470 - 0.00470 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.000657 - 0.00067 - 0.00067 - 0.00067 - 0.00067 - 0.00067 - 0.00067 - 0.000	- 0.0466 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642 <0.000642	- 0.182   - 0.000367   - 0.000367   - 0.000630   - 0.000880   - 0.00121 J   - 0.00130   - 0.00130 J   - 0.00130 J   - 0.00120   - 0.00100   - 0.00100   - 0.00100   - 0.000657    - 0.000657   - 0.000657   - 0.000657   - 0.000657   - 0.00065	- PA
MW-6A MW-7A	09/12/2024 12/06/2024 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 12/01/2020 03/24/2021 06/18/2021 12/01/2021 03/07/2022 06/07/2022 06/07/2022 03/07/2023 06/13/2023 12/11/2023	- 0.0881 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000409 0.000570 J <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<ul> <li>&lt;0.00100</li> <li>&lt;0.000367</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00200</li> <li>&lt;0.00206</li> <li>&lt;0.000367</li> <li>&lt;0.000500</li> <li>&lt;0.000500</li> <li>&lt;0.000500</li> <li>&lt;0.000100</li> </ul>	- 0.0470 - 0.00657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.00200 - 0.002057 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000657 - 0.0000500 - 0.000500 - 0.000500	- 0.0466 - 0.000630 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000642 - 0.000602 - 0.0006500 - 0.00100	- 0.182   - 0.00367   - 0.000367   - 0.000630   - 0.000367   - 0.00080   - 0.000367   - 0.00080   - 0.000367   - 0.000367   - 0.000367   - 0.000367   - 0.00130   - 0.00130   - 0.00200   - 0.00400   - 0.00400   - 0.00657   - 0.000657   - 0.000657   - 0.000657   - 0.000657   - 0.00096   - 0.000500   - 0.00100	- PA

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

Sample ID	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Notes
	00/40/0040	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
/IW-8A	09/13/2018 12/11/2018	<0.000408 <0.000480	<0.000367 <0.000512	<0.000657 <0.000616	<0.000630 <0.000270	<0.000367 <0.000270	-
	03/15/2019	0.000480	0.0129	0.00952	0.000270	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 03/24/2021	0.000780 J <0.00200	0.000740 J <0.00200	<0.002000 0.000829 J	<0.002000 0.00132 J	0.001520 J 0.00215	-
	06/18/2021	<0.00200	<0.00200	0.000829 J 0.000987 J	0.00132 J 0.00315 J	0.00213	-
	09/16/2021	0.000542 J	<0.00200	<0.00200	0.003133	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	-
	03/05/2024	<0.00100	<0.00100	0.00149	0.00361	0.00424	-
	06/05/2024 09/06/2024	<0.00100 <0.00100	<0.00100 <0.00100	0.00145 0.00250	0.00427 0.00526	0.00572 0.00776	-
	12/06/2024	<0.00100	<0.00100	<0.00250	<0.00326	<0.00778	
/IW-9	09/12/2024	-	-	-	-	-	PA
//W-9A	12/06/2024	0.00237	0.00224	0.00186	0.00509	0.0116	
/IW-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	-
<b>/IW-</b> 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	-0.000267	-
	03/07/2017 06/08/2017	<0.000408 0.0016 J	<0.000367 <0.00100	<0.000657 <0.000657	<0.000630 <0.000642	<0.000367 0.0016 J	-
	09/14/2017	<0.00163	<0.00100	<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 <0.000367	<0.000657	<0.000630	<0.000367 0.00171 J	-
	09/23/2020	0.00171 J		<0.000657	<0.000630 <0.002000	<0.001713	
	11/30/2020 03/26/2021	<0.002000 0.000842 J	<0.002000 <0.00200	<0.002000 <0.00200	<0.002000	<0.002000	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	
	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	-
NA/ 40	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
/IVV-13	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.00190	<0.000238 <0.000621	0.000400 J <0.000763	0.000300 J		
	09/09/2016 12/06/2016	<0.000504 <0.000408	<0.000621	<0.000763	<0.000256 <0.000642	-	
	03/07/2017	<0.000408	<0.00100	<0.000657	<0.000642	<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 11/30/2020	<0.000408 <0.002000	<0.000367 <0.002000	<0.000657 <0.002000	<0.000630 <0.002000	<0.000367 <0.002000	-
	03/26/2021	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	
				5.00200	5.55 700	5.00200	

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

Sample ID	Date Sampled	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Notes
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(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	-	ı
	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	<0.000370	_
	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	ı
	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	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	_
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	_
MW-15	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	_
VIVV-10	05/27/2016	0.0014	<0.000238	<0.000238	<0.000243		_
	09/09/2016	<0.000504	<0.000230	<0.000238	<0.000243	_	-
						-	
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-0.000007	
	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	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	<del></del>
							-
	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	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<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	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Notes
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
/IVV-16	03/10/2016	<0.000223	0.000300 J	<0.000238	<0.000243	-	
	05/27/2016 09/09/2016	0.000800 J 0.000700 J	<0.000238 <0.000621	<0.000238 <0.000763	<0.000243 <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 06/12/2018	<0.000408 <0.000480	0.000740 J <0.000512	<0.000657 <0.000616	<0.000630 <0.000270	0.000740 J <0.000270	
	09/13/2018	<0.000480	<0.000312	<0.000616	<0.000270	<0.000270	
	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 11/30/2020	<0.000408 <0.002000	<0.000367 <0.002000	<0.000657 <0.002000	<0.000630 <0.002000	<0.000367 <0.002000	<del>-</del>
	03/23/2021	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	<u>-</u>
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	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 09/08/2023	<0.00100 <0.000500	<0.00100 <0.000500	<0.00100 <0.000500	<0.00100 <0.000500	<0.00100 <0.000500	
	12/11/2023	<0.000300	<0.000300	<0.000300	<0.00100	<0.00100	
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	_
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
/IVV-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	-0.000267	-
	03/07/2017 06/08/2017	<0.000408 0.00466	<0.000367 <0.00100	<0.000657 <0.000657	<0.000630 <0.000642	<0.000367 0.00466	<del></del>
	09/14/2017	<0.00400	<0.00100	<0.000657	<0.000630	<0.000367	<del>-</del>
	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 12/10/2019	<0.000408 <0.000408	<0.000367 0.000470	<0.000657 <0.000657	<0.00063 <0.000630	<0.000367 0.00047	
	03/10/2019	<0.000408	<0.000470	<0.000657	<0.000630	<0.00047	
	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 12/06/2022	<0.000408 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.000657 <0.000657	
	03/06/2023	0.00108 J	<0.000367 *-	<0.000657	0.000642 0.00159 J	0.00267 J	-
	06/13/2023	<0.001003	<0.000307	<0.000037	0.001393	0.00267 3	-
	09/08/2023	<0.000500	<0.00100	<0.00100	<0.00500	<0.00202	
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100 <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	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Notes
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(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	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	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	<0.00127 3	<0.00400	<0.00127 3	
	03/07/2022	<0.00200	<0.00200	<0.00200	<0.00400	<0.00460	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
		<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022 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	
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<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	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
				<0.00100	<0.00100	<0.00100	

Notes:

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

PA = Well Plugged and Abandoned

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	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno (1,2,3-c,d) pyreneg	Naphthalene	Phenanthrene	Pyrene
NMWQCC - Groun	dwater Standarde	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L) 0.001	(mg/L)	(mg/L) 0.0007	(mg/L) 0.001	(mg/L)	(mg/L) 0.001	(mg/L)	(mg/L)	(mg/L)	(mg/L) 0.001	(mg/L) 0.001	(mg/L)	(mg/L) 0.030	(mg/L) 1.001	(mg/L) 0.001
MW-1A	03/10/2016		-	<0.000365	<0.000638	<0.0001	<0.000792	<0.0007	<0.000780	<0.000570	<0.0001	<0.000891	<0.0000618	<0.000667	<0.000701	<0.0001	<0.000590	<0.000721	<0.0000567	<0.0001
MW-2A	03/10/2010	-	-	<0.0000363	<0.0000038	<0.0000333	<0.0000792	<0.0000439	<0.0000780	<0.0000370	<0.0000078	<0.0000088	<0.0000049	0.000458	<0.0000701	0.000246	<0.0000390	0.00493	0.0000367	<0.0000436
IVIVV-ZA	03/24/2021	-	-	<0.0000041	<0.0000073	<0.0000076	< 0.0000003	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.000194	<0.0000049	0.000438	<0.000194	0.000246	<0.0000049	0.00493	0.000101	<0.0000092
MW-7A	03/15/2019			<0.000194	<0.000134	<0.000134	<0.0000134	<0.0000096	<0.000194	<0.0000134	<0.000079	<0.0000194	<0.0000134	<0.000054	<0.0000194	<0.000200	<0.0000134	0.000114	<0.000200	
IWW-77	03/10/2020			<0.000116	<0.0000074	<0.000101	< 0.0000004	<0.0000664		<0.000132 L	<0.0000073	<0.000182	<0.0000884	-0.0000034	<0.000030	<0.0000117	<0.000003	<0.000114	<0.0000990	
	03/07/2022	_	_	<0.0000116	<0.0000830	<0.0000887	<0.000132	<0.0000563	<0.0000690	<0.0001021	<0.000114	< 0.000154	< 0.00000049	<0.0000986	<0.000155	<0.0000117	<0.0000900	<0.0000110	<0.0000838	<0.000102
	03/07/2023			<0.0000995	<0.0000837	<0.0000895	< 0.000133	<0.0000568		<0.000111	<0.000115	<0.000155	< 0.0000746	< 0.0000995	<0.000156	<0.000100	<0.0000908	< 0.0000967	<0.0000845	
	03/05/2024	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.000100	<0.00010	<0.00010	<0.000112	<0.000110	<0.000100	<0.00010	<0.00010	<0.000100	<0.000100	-0.0000000	<0.00010	<0.00010	<0.000125
MW-8A	03/15/2019		-0.00010	<0.000010	< 0.000013	<0.000076	< 0.000010	<0.0000095	<0.000010	<0.000080	<0.000078	<0.0000088	< 0.000010	<0.000010	<0.0000090	<0.000015	<0.0000049	0.0000310	<0.000015	<0.000010
	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	<0.000140
	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	<0.000129
	03/07/2023	_	-	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565		<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.000155	<0.0000999		<0.0000962	<0.0000841	<0.000129
	03/05/2024	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	-	<0.00010	<0.00010	<0.00010
MW-11A	03/18/2019	-		0.000112	< 0.0000073	< 0.0000076	< 0.0000063	<0.0000095	< 0.0000091	<0.0000080	<0.000078	<0.0000088	< 0.0000049	0.000527	<0.0000090	0.000180	< 0.0000049	0.00669	0.000149	<0.0000092
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	<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	<0.0000092
	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	<0.000132
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	< 0.0000437
	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	<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	<0.0000092
	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	<0.000141
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	<0.0000446
	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	<0.000109
	03/18/2019	-	-	<0.0000042	<0.0000075	<0.0000077	<0.000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	<0.0000054	<0.0000091	<0.0000056	<0.0000050	0.0000363	<0.0000056	<0.0000094
	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	<0.000137
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	<0.0000466
	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	<0.000111
	03/18/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
MW-19	03/15/2019	-										<0.00000890		0.000146	<0.00000910	0.000235	<0.00000500	0.000585		<0.00000930
	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	<0.000143
	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	<0.000130
Notes:	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	<0.000128

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

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater Standards



# **APPENDIX C**

Laboratory Analytical Data Reports and Chain of Custody Documentation

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



# 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: 4C06004



**Current Certification** 

Report Date: 03/20/24

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4C06004-01	Water	03/05/24 13:35	03-06-2024 08:40
MW-7A	4C06004-02	Water	03/05/24 15:06	03-06-2024 08:40
MW-8A	4C06004-03	Water	03/05/24 13:46	03-06-2024 08:40
MW-18	4C06004-04	Water	03/05/24 12:45	03-06-2024 08:40
MW-15	4C06004-05	Water	03/05/24 11:31	03-06-2024 08:40
MW-14	4C06004-06	Water	03/05/24 12:20	03-06-2024 08:40
MW-12	4C06004-07	Water	03/05/24 14:05	03-06-2024 08:40
MW-16	4C06004-08	Water	03/05/24 14:55	03-06-2024 08:40
MW-1A	4C06004-09	Water	03/05/24 12:00	03-06-2024 08:40
MW-19	4C06004-10	Water	03/05/24 12:56	03-06-2024 08:40

PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance\_support/qa/labs/als\_svcs\_houston.pdf

#### MW-17 4C06004-01 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Po	ermian Ba	asin Envi	ronmental I	Lab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.9 %	80-120		P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.0 %	80-120		P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	

#### MW-7A 4C06004-02 (Water)

			4	C00004-0	oz (water)				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.9 %	80-120		P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.5 %	80-120		P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
PAH compounds by Semivolatile	GCMS								
1-Methylnaphthalene		0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
2-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Acenaphthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Acenaphthylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (a) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (a) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Chrysene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Dibenzofuran	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Fluorene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Naphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Phenanthrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
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Permian Basin Environmental Lab, L.P.

#### MW-8A 4C06004-03 (Water)

				100004					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Total BTEX	0.00424	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylenes (total)	0.00361	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Ethylbenzene	0.00149	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylene (p/m)	0.00275	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.2 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.6 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
PAH compounds by Semivolatile	e GCMS								
1-Methylnaphthalene		0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
2-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Acenaphthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Acenaphthylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (a) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (a) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Chrysene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Dibenzofuran	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Fluorene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Naphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Phenanthrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
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Permian Basin Environmental Lab, L.P.

#### MW-18 4C06004-04 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		_							
		Pe	ermian B	asin Envi	ronmental I	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.9 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.9 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	

#### MW-15 4C06004-05 (Water)

		D (							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		D.	D	! E!		-L I D			
		P	ermian B	asın Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.4 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.5 %	80-120		P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	

#### MW-14 4C06004-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
,	Result	Limit	Cints	Dilution	Daten	Trepared	7 11141 / 204		110105
		Po	ermian B	asin Envi	ronmental I	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.4 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.9 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	

#### MW-12 4C06004-07 (Water)

		Danastina							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Po	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.3 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.0 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	

#### MW-16 4C06004-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.7 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.4 %	80-120		P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	

#### MW-1A 4C06004-09 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Po	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		90.6 %	80-120		P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.1 %	80-120		P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	

#### MW-19 4C06004-10 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Po	ermian B	asin Envi	ronmental I	Lab, L.P.			
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.0 %	80-120		P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.8 %	80-120		P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	

## 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
,		Ziiiii	Omo	Level	ROBAIT	, with c	Liiiito	NI D	Limit	110103
Batch P4C0616 - *** DEFAULT PREP **	*									
Blank (P4C0616-BLK1)				Prepared: 0	3/06/24 Ar	nalyzed: 03	/07/24			
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	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.5	80-120			
LCS (P4C0616-BS1)				Prepared: 0	03/06/24 Ar	nalyzed: 03	/07/24			
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0997	0.00100	"	0.100		99.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.4	80-120			
LCS Dup (P4C0616-BSD1)				Prepared: 0	03/06/24 Ar	nalyzed: 03	/07/24			
Benzene	0.0990	0.00100	mg/L	0.100		99.0	80-120	12.4	20	
Toluene	0.0896	0.00100	"	0.100		89.6	80-120	14.3	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	14.1	20	
Xylene (p/m)	0.187	0.00200	"	0.200		93.5	80-120	13.2	20	
Xylene (o)	0.0877	0.00100	"	0.100		87.7	80-120	12.8	20	
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	80-120			-
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			
Calibration Blank (P4C0616-CCB1)				Prepared: 0	03/06/24 Ar	nalyzed: 03	/07/24			
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.310		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.6	80-120			

Permian Basin Environmental Lab, L.P.

### Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P4C0616 - *** DEFAULT PREP ***										
Calibration Blank (P4C0616-CCB2)				Prepared: (	03/06/24 Aı	nalyzed: 03	/07/24			
Benzene	0.260		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	80-120			
Calibration Check (P4C0616-CCV1)				Prepared: (	03/06/24 A1	nalyzed: 03	/07/24			
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	80-120			
Calibration Check (P4C0616-CCV2)				Prepared: (	03/06/24 A1	nalyzed: 03	/07/24			
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0967	0.00100	"	0.100		96.7	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0982	0.00100	"	0.100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.7	80-120			
Calibration Check (P4C0616-CCV3)				Prepared: (	03/06/24 A1	nalyzed: 03	/07/24			
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.9	80-120			

Permian Basin Environmental Lab, L.P.

### 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 P4C0616 - *** DEFAULT PREP ***	100001	Zmit	- Cimu	20.01	Trobait	,,,,,	2,11110		2	110000
Matrix Spike (P4C0616-MS1)	Sou	rce: 4C05013-	01	Prepared: (	03/06/24 Aı	nalyzed: 03	/07/24			
Benzene	0.0882	0.00100	mg/L	0.100	ND	88.2	80-120			
Toluene	0.0626	0.00100	"	0.100	ND	62.6	80-120			QM-05
Ethylbenzene	0.0589	0.00100	"	0.100	ND	58.9	80-120			QM-05
Xylene (p/m)	0.115	0.00200	"	0.200	ND	57.4	80-120			QM-05
Xylene (o)	0.0552	0.00100	"	0.100	ND	55.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.1	80-120			
Matrix Spike Dup (P4C0616-MSD1)	Sou	rce: 4C05013-	01	Prepared: (	03/06/24 At	nalyzed: 03	/07/24			
Benzene	0.0989	0.00100	mg/L	0.100	ND	98.9	80-120	11.4	20	
Toluene	0.0711	0.00100	"	0.100	ND	71.1	80-120	12.6	20	QM-05
Ethylbenzene	0.0661	0.00100	"	0.100	ND	66.1	80-120	11.6	20	QM-05
Xylene (p/m)	0.130	0.00200	"	0.200	ND	65.1	80-120	12.5	20	QM-05
Xylene (o)	0.0619	0.00100	"	0.100	ND	61.9	80-120	11.4	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			
Batch P4C0805 - *** DEFAULT PREP ***										
Blank (P4C0805-BLK1)				Prepared &	Analyzed:	03/08/24				
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							

0.120

0.120

0.00200

0.00100

ND

ND

0.110

0.119

Permian Basin Environmental Lab, L.P.

Xylene (p/m)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

Xylene (o)

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

91.8

98.9

80-120

80-120

### Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P4C0805 - *** DEFAULT PREP ***										
LCS (P4C0805-BS1)				Prepared &	Analyzed:	03/08/24				
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.0881	0.00100	"	0.100		88.1	80-120			
Ethylbenzene	0.0897	0.00100	"	0.100		89.7	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.3	80-120			
Xylene (o)	0.0840	0.00100	"	0.100		84.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			
LCS Dup (P4C0805-BSD1)				Prepared &	Analyzed:	03/08/24				
Benzene	0.116	0.00100	mg/L	0.100		116	80-120	14.8	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	16.3	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	15.8	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	15.4	20	
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120	15.9	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			
Calibration Blank (P4C0805-CCB1)				Prepared &	: Analyzed:	03/08/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			
Calibration Blank (P4C0805-CCB2)				Prepared &	Analyzed:	03/08/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

Permian Basin Environmental Lab, L.P.

### Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P4C0805 - *** DEFAULT PREP ***										
Calibration Check (P4C0805-CCV1)				Prepared &	Analyzed:	03/08/24				
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0979	0.00100	"	0.100		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			
Calibration Check (P4C0805-CCV2)				Prepared &	Analyzed:	03/08/24				
Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.0958	0.00100	"	0.100		95.8	80-120			
Ethylbenzene	0.0916	0.00100	"	0.100		91.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.0	80-120			
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			
Calibration Check (P4C0805-CCV3)				Prepared: 0	3/08/24 Aı	nalyzed: 03	/09/24			
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Matrix Spike (P4C0805-MS1)	Sou	ırce: 4C07006-	01	Prepared: 0	3/08/24 Aı	nalyzed: 03	/09/24			
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200	ND	107	80-120			
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

### Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Matrix Spike Dup (P4C0805-MSD1)	Sour	ce: 4C07006-	01	Prepared: 0	3/08/24 Aı	nalyzed: 03	3/09/24		
Benzene	0.114	0.00100	mg/L	0.100	ND	114	80-120	0.642	20
Toluene	0.105	0.00100	"	0.100	ND	105	80-120	0.495	20
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	0.439	20
Xylene (p/m)	0.216	0.00200	"	0.200	ND	108	80-120	0.562	20
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	0.0695	20
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	80-120		
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120		

#### **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 Ct 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

	Drew	Darwort			
Report Approved By:			Date:	3/20/2024	

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

Permian Basin Environmental Lab, L.P.

PBEL_COC_Z021_1	Relinquished by:	Relinquished by:	Relinquished by:	Special Instructions: Email An	10 MW-19		87 MW-16			5 Mw-15	4 MW-18	3 MM⋅80	2 MW-1A	1 Nw - 17	LAB # (lab use only)	ORDER#: / しのやっつ	Lin of and	(lab use only)	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name:	Project Manager:	PBBLA
Revision #: 2021_1	·		K 3	Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.cor				·		:			· .		FIELD CODE				Bartlett Madley	575-441-4835	Artesia, NM 88210	408 Texas St	Talon LPE	David Adkins	E CH
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#### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP 1400 Rankin HWY Midland. Texas 79701 **Phone: 432-686-7235**PBELAB\_SUB\_COC\_V2

	Project Manager:	Brent Barror	า							-, -							Pr	ojec	t Na	me:		S	UBC	ON	TRAC	)T				
	Company Name	PBEL																Pı	rojed	:t #:_										
	Company Address:	1400 Rankir	n HWY														_	Proje	ect L	oc:										
	City/State/Zip:	Midland Tex	as 79701														_		P	O #:										
	Telephone No:	432-661-418	34				Fax No:										Rep	ort F	orn	nat:	x s	Stanc	lard		П	RRP	Г	NPI	DES	
	Sampler Signature:	: N/A					e-mail:	•	brei	ntba	rron	ı@pb	elab.d	com			_													
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AB# (lab use only)				Beginning Depth	Ending Depth	Date Sampled	Time Sampled	ield Filtered	otal #. of Containers	ICE	HNO <sub>3 250 poly 1</sub>	HCI 3 40mL VOA	H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY NaOH /Ascorbic Acid 250ML Po	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	IONE 500 POLY	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge	ow = Groundwater >=>oii/>oiid NP=Non-Potable Specify Other											24 HOUR RUSH	TANDARD
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10450 Stancliff Rd. Suite 210 Houston, TX 77099 T: +1 281 530 5656

F: +1 281 530 5887

March 14, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24030429** 

Laboratory Results for: 4C06004

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Mar 08, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL

Anna Kinchen Project Manager Client Sample ID

4C06004-02

4C06004-03

Lab Samp ID

HS24030429-01

HS24030429-02

Hold

S	Date: 14-Mar-24
Permian Basin Environmental Lab, LP 4C06004 HS24030429	SAMPLE SUMMARY
	Permian Basin Environmental Lab, LP 4C06004

TagNo

**Collection Date** 

05-Mar-2024 15:06

05-Mar-2024 13:46

**Date Received** 

08-Mar-2024 16:09

08-Mar-2024 16:09

Matrix

Water

Water

	Page	2	of	14
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ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP CASE NARRATIVE

**Project:** 4C06004 **Work Order:** HS24030429

#### **GCMS Semivolatiles by Method SW8270**

Batch ID: 208713

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP

4C06004

WorkOrder:HS24030429 Lab ID:HS24030429-01

**ANALYTICAL REPORT** 

Sample ID: 4C06004-02 Collection Date: 05-Mar-2024 15:06

Project:

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511	/ 12-Mar-2024	Analyst: MBG
1-Methylnaphthalene	ND	n	0.103	ug/L	1	13-Mar-2024 16:17
2-Methylnaphthalene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Acenaphthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Acenaphthylene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benz(a)anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(a)pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(b)fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(g,h,i)perylene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(k)fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Chrysene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Dibenz(a,h)anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Fluorene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Indeno(1,2,3-cd)pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Naphthalene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Phenanthrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Surr: 2-Fluorobiphenyl	106		32-130	%REC	1	13-Mar-2024 16:17
Surr: 4-Terphenyl-d14	67.1		40-135	%REC	1	13-Mar-2024 16:17
Surr: Nitrobenzene-d5	108		45-142	%REC	1	13-Mar-2024 16:17

Client: Permian Basin Environmental Lab, LP

WorkOrder:HS24030429 Lab ID:HS24030429-02

**ANALYTICAL REPORT** 

Project: 4C06004 Sample ID: 4C06004-03

Matrix:Water

Collection Date: 05-Mar-2024 13:46

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D		Method:SW8270		Prep:SW3511	/ 12-Mar-2024	Analyst: MBG
1-Methylnaphthalene	ND	n	0.101	ug/L	1	13-Mar-2024 16:37
2-Methylnaphthalene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Acenaphthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Acenaphthylene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benz(a)anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(a)pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(b)fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(k)fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Chrysene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Fluorene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Naphthalene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Phenanthrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Surr: 2-Fluorobiphenyl	104		32-130	%REC	1	13-Mar-2024 16:37
Surr: 4-Terphenyl-d14	62.5		40-135	%REC	1	13-Mar-2024 16:37
Surr: Nitrobenzene-d5	86.8		45-142	%REC	1	13-Mar-2024 16:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Page 74 of 153

ALS Houston, US Date: 14-Mar-24

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP

Project: 4C06004 WorkOrder: HS24030429

**Batch ID:** 208713 **Start Date:** 12 Mar 2024 14:00 **End Date:** 12 Mar 2024 14:00

Method: SW3511 Prep Code: 3511\_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24030429-01		32.15 (mL)	2 (mL)	0.06221	40 mL Amber
HS24030429-02		32.7 (mL)	2 (mL)	0.06116	40 mL Amber

Permian Basin Environmental Lab, LP Client:

4C06004 **DATES REPORT** Project:

WorkOrder: HS24030429

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 20871	3 ( 0 ) Test Nar	me: LOW-LEVEL PAHS - 8	270D		Matrix: Water	
HS24030429-01	4C06004-02	05 Mar 2024 15:06		12 Mar 2024 14:00	13 Mar 2024 16:17	1
HS24030429-02	4C06004-03	05 Mar 2024 13:46		12 Mar 2024 14:00	13 Mar 2024 16:37	1

Client: Permian Basin Environmental Lab, LP

 Project:
 4C06004

 WorkOrder:
 HS24030429

**QC BATCH REPORT** 

Batch ID: 208713 ( 0 )	Inst	rument: S'	V-6	Me	thod: L	OW-LEVEL	. PAHS - 827	0D
MBLK Sample	ID: <b>MBLK-208713</b>		Units:	ug/L	Ana	lysis Date:	13-Mar-2024	1 14:55
Client ID:	R	un ID: SV-6_4	161297	SeqNo: 78	887458	PrepDate:	12-Mar-2024	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
1-Methylnaphthalene	ND	0.100						
2-Methylnaphthalene	ND	0.100						
Acenaphthene	ND	0.100						
Acenaphthylene	ND	0.100						
Anthracene	ND	0.100						
Benz(a)anthracene	ND	0.100						
Benzo(a)pyrene	ND	0.100						
Benzo(b)fluoranthene	ND	0.100						
Benzo(g,h,i)perylene	ND	0.100						
Benzo(k)fluoranthene	ND	0.100						
Chrysene	ND	0.100						
Dibenz(a,h)anthracene	ND	0.100						
Fluoranthene	ND	0.100						
Fluorene	ND	0.100						
Indeno(1,2,3-cd)pyrene	ND	0.100						
Naphthalene	ND	0.100						
Phenanthrene	ND	0.100						
Pyrene	ND	0.100						
Surr: 2-Fluorobiphenyl	2.622	0.100	3.03	0	86.5	32 - 130		
Surr: 4-Terphenyl-d14	1.917	0.100	3.03	0	63.3	40 - 135		
Surr: Nitrobenzene-d5	2.936	0.100	3.03	0	96.9	45 - 142		

Client: Permian Basin Environmental Lab, LP

 Project:
 4C06004

 WorkOrder:
 HS24030429

QC BATCH REPORT

Batch ID: 208713 ( 0 )	Inst	rument: S	6V-6	Me	ethod: L	OW-LEVEL	PAHS - 827	0D
LCS Sample II	D: <b>LCS-208713</b>		Units:	ug/L	Ana	alysis Date:	13-Mar-202	1 15:16
Client ID:	Ru	un ID: <b>SV-6_</b>	461297	SeqNo: 7	887459	PrepDate: '	12-Mar-2024	4 DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
1-Methylnaphthalene	3.74	0.100	3.03	0	123	40 - 140		
2-Methylnaphthalene	3.326	0.100	3.03	0	110	40 - 140		
Acenaphthene	3.973	0.100	3.03	0	131	40 - 140		
Acenaphthylene	3.931	0.100	3.03	0	130	40 - 140		
Anthracene	4.003	0.100	3.03	0	132	40 - 140		
Benz(a)anthracene	3.884	0.100	3.03	0	128	40 - 140		
Benzo(a)pyrene	3.535	0.100	3.03	0	117	40 - 140		
Benzo(b)fluoranthene	3.807	0.100	3.03	0	126	40 - 140		
Benzo(g,h,i)perylene	3.38	0.100	3.03	0	112	40 - 140		
Benzo(k)fluoranthene	3.611	0.100	3.03	0	119	40 - 140		
Chrysene	3.374	0.100	3.03	0	111	40 - 140		
Dibenz(a,h)anthracene	4.069	0.100	3.03	0	134	40 - 140		
Fluoranthene	4.121	0.100	3.03	0	136	40 - 140		
Fluorene	3.878	0.100	3.03	0	128	40 - 140		
Indeno(1,2,3-cd)pyrene	3.854	0.100	3.03	0	127	40 - 140		
Naphthalene	3.324	0.100	3.03	0	110	40 - 140		
Phenanthrene	3.939	0.100	3.03	0	130	40 - 140		
Pyrene	3.259	0.100	3.03	0	108	40 - 140		
Surr: 2-Fluorobiphenyl	2.364	0.100	3.03	0	78.0	32 - 130		
Surr: 4-Terphenyl-d14	1.836	0.100	3.03	0	60.6	40 - 135		
Surr: Nitrobenzene-d5	2.823	0.100	3.03	0	93.2	45 - 142		

Client: Permian Basin Environmental Lab, LP

 Project:
 4C06004

 WorkOrder:
 HS24030429

QC BATCH REPORT

Batch ID: 208713 ( 0 )	Inst	trument:	SV-6	Me	etnod: L	.OW-LEVEL	PAHS - 8270	טו	
LCSD Sample ID	: LCSD-208713		Units: u	ıg/L	Ana	alysis Date:	13-Mar-2024	15:36	
Client ID:	R	un ID: <b>SV-6</b> _	_461297	SeqNo: 7	887460	PrepDate:	12-Mar-2024	DF: 1	l
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit Qua
1-Methylnaphthalene	3.804	0.100	3.03	0	126	40 - 140	3.74	1.71	25
2-Methylnaphthalene	3.352	0.100	3.03	0	111	40 - 140	3.326	0.782	25
Acenaphthene	3.892	0.100	3.03	0	128	40 - 140	3.973	2.07	25
Acenaphthylene	3.961	0.100	3.03	0	131	40 - 140	3.931	0.766	25
Anthracene	3.953	0.100	3.03	0	130	40 - 140	4.003	1.26	25
Benz(a)anthracene	3.971	0.100	3.03	0	131	40 - 140	3.884	2.23	25
Benzo(a)pyrene	3.168	0.100	3.03	0	105	40 - 140	3.535	11	25
Benzo(b)fluoranthene	3.406	0.100	3.03	0	112	40 - 140	3.807	11.1	25
Benzo(g,h,i)perylene	3.178	0.100	3.03	0	105	40 - 140	3.38	6.18	25
Benzo(k)fluoranthene	3.483	0.100	3.03	0	115	40 - 140	3.611	3.63	25
Chrysene	3.705	0.100	3.03	0	122	40 - 140	3.374	9.36	25
Dibenz(a,h)anthracene	3.874	0.100	3.03	0	128	40 - 140	4.069	4.9	25
Fluoranthene	4.073	0.100	3.03	0	134	40 - 140	4.121	1.18	25
Fluorene	3.894	0.100	3.03	0	129	40 - 140	3.878	0.402	25
Indeno(1,2,3-cd)pyrene	3.362	0.100	3.03	0	111	40 - 140	3.854	13.6	25
Naphthalene	3.389	0.100	3.03	0	112	40 - 140	3.324	1.95	25
Phenanthrene	3.668	0.100	3.03	0	121	40 - 140	3.939	7.12	25
Pyrene	3.472	0.100	3.03	0	115	40 - 140	3.259	6.32	25
Surr: 2-Fluorobiphenyl	2.906	0.100	3.03	0	95.9	32 - 130	2.364	20.6	25
Surr: 4-Terphenyl-d14	1.961	0.100	3.03	0	64.7	40 - 135	1.836	6.58	25
Surr: Nitrobenzene-d5	3.031	0.100	3.03	0	100	45 - 142	2.823	7.09	25
The following samples were analy	yzed in this batch: HS24	1030429-01	HS24030429-	-02					

Client: Permian Basin Environmental Lab, LP

Project: 4C06004

QUALIFIERS,
ACRONYMS, UNITS

WorkOrder: HS24030429

Qualifier	Description
*	Value exceeds Regulatory Limit
а	Not accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
Н	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
0	Sample amount is > 4 times amount spiked
Р	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL
Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate

Acronym	_Description_
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

## **CERTIFICATIONS, ACCREDITATIONS & LICENSES**

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

					Sample Receipt Checklist
Work Order ID:	HS24030429		Date/	Time Received:	08-Mar-2024 16:09
Client Name:	Permian Basin Lab		Rece	ived by:	Monica Smith
Completed By:	: /S/ Monica Smith	08-Mar-2024 17:30	Reviewed by: /S/	Anna Kinchen	12-Mar-2024 10:17
	eSignature	Date/Time		eSignature	Date/Time
Matrices:	<u>Water</u>		Carrier name:	Client	
Shipping contain	ner/cooler in good condition?		Yes 🔽	No 🔲	Not Present
Custody seals in	ntact on shipping container/cooler?		Yes	No 🗌	Not Present
Custody seals in	ntact on sample bottles?		Yes 🗌	No 🗌	Not Present
VOA/TX1005/TX	X1006 Solids in hermetically seale	d vials?	Yes	No 🗌	Not Present
Chain of custod	y present?		Yes 🗹	No 🗌	1 Page(s)
Chain of custod	y signed when relinquished and re	ceived?	Yes 🗹	No 🗌	COC IDs:PBEL COC-No
Samplers name	present on COC?		Yes 🔽	No	COC
	y agrees with sample labels?		Yes 🗹	No 🔲	
Samples in prop	per container/bottle?		Yes 🔽	No 🗌	
Sample contain	ers intact?		Yes 🔽	No 🔲	
Sufficient sampl	le volume for indicated test?		Yes 🔽	No 📗	
All samples rece	eived within holding time?		Yes 🗹	No 🗌	
Container/Temp	Blank temperature in compliance	?	Yes 🗹	No 🗌	
Temperature(s)	/Thermometer(s):		4.9 uc/4.8 c		IR31
Cooler(s)/Kit(s):			Red		*
Date/Time samp	ple(s) sent to storage:		03/08/2024 1731		
Water - VOA via	als have zero headspace?		Yes 🗸	No No	No VOA vials submitted
Water - pH acce	eptable upon receipt?		Yes	No 🔲	N/A 🔽
pH adjusted?			Yes	No 🔲	N/A 🔽
pH adjusted by:					
Login Notes:					
Client Contacted	d:	Date Contacted:		Person Conf	acted:
Contacted By:		Regarding:			
Comments:					
Corrective Actio	on:				



#### **CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

Permian Basin Environmental Lab, LP 1400 Rankin HWY Midland, Texas 79701 Phone: 432-686-7235 PBELAB\_SUB\_COC\_V2

	Project Manager:	Brent Barron						4161				, , , ,					P	rojed	t N	ame:		S	UBC	TMC	RAC	:T			
	Company Name	PBEL				Job ID	1.2	)Δ	<b>.</b> በ:	3(	<b>ገ</b> ፖ	U.	1					P	roje	ct #:_									
	Company Address:	1400 Rankin HWY			_ 1				$\check{\parallel}$	ĬÌ		Ĭ	İ					Proj	ject	Loc:									
	City/State/Zip:	Midland Texas 79701	····	· _ u_a	03/07/	/2024 Pern	nian	Ba:	sin E	 Env	ironn	ne	III AMS	à					F	O#:_			_					·	<b></b>
	Telephone No:	432-661-4184				Fax No:				····							Re	ort	For	nat: .	x 8	Stand	8	0	į			IPDE	S
	Sampler Signature.	N/A				e-mail:		bre	entba	arro	n@p	bela	ab.co	m				<del></del>	ر				_	b, LP					
ORDER #									Г	Pres	ervat	ion 8	3.#of	Conta	iner	5	M	atrix	╀				- တွ	ental La					
AB #{Hátí use onty)			eginning Depth	nding Depth	Date Sampled	line Sampled	eld Filtered	otal #, of Containers	CE	HNO3250 male 3	HCI 3 40mL VOA	1 <sub>2</sub> 50 <sub>4</sub> 1 AMBER 500/250POLY	Acid	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	IONE SOB POLY	NONE 3 AMBER VOAA VIALS	DW≂Drinking Water SL>Sludge	GW = Groundwater S=Soi/Solid NP=Nan-Potebly Specify Other					HS24030429	Permian Basin Environmental Lab,	4006004			4 HOLLD BLICH	STANDARD
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# PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# 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: 4F05018



**Current Certification** 

Report Date: 06/19/24

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4F05018-01	Water	06/05/24 11:20	06-05-2024 16:18
MW-18	4F05018-02	Water	06/05/24 11:45	06-05-2024 16:18
MW-16	4F05018-03	Water	06/05/24 11:02	06-05-2024 16:18
MW-1A	4F05018-04	Water	06/05/24 12:15	06-05-2024 16:18
MW-7A	4F05018-05	Water	06/05/24 11:26	06-05-2024 16:18
MW-19	4F05018-06	Water	06/05/24 12:34	06-05-2024 16:18
MW-8A	4F05018-07	Water	06/05/24 12:07	06-05-2024 16:18

MW-17 4F05018-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.4 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.4 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:06	EPA 8021B	

Organics by GC

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

MW-18 4F05018-02 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

	Per	mian Basi	n Envir	onmental Lab	, L.P.	
ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28
ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28

Benzene	ND 0.0010	00 mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Toluene	ND 0.0010	00 mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Ethylbenzene	ND 0.0010	00 mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylene (p/m)	ND 0.0020	00 mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylene (o)	ND 0.0010	00 mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.8 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.4 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Total BTEX	ND 0.0010	00 mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylenes (total)	ND 0.0010	00 mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:28	EPA 8021B	

MW-16 4F05018-03 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Surrogate: 4-Bromofluorobenzene		99.4 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Surrogate: 1,4-Difluorobenzene		99.0 %	80-120		P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:50	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:50	EPA 8021B

### MW-1A 4F05018-04 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Organics by GC								
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Surrogate: 4-Bromofluorobenzene		100 %	80-120		P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Surrogate: 1,4-Difluorobenzene		99.2 %	80-120		P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:12	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:12	EPA 8021B

Xylenes (total)

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

ND 0.00100

### MW-7A 4F05018-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						-	·		
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.5 %	80-120		P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.1 %	80-120		P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:34	EPA 8021B	

[CALC]

06/06/24 11:56

06/06/24 23:34

EPA 8021B

### MW-19 4F05018-06 (Water)

Analyte	Result	Reporting Limit Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Permiai	ı Basin Envi	ronmental	Lab, L.P.			

Organics by GC							
Benzene	ND 0.00100	mg/L 1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Toluene	ND 0.00100	mg/L 1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Ethylbenzene	ND 0.00100	mg/L 1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylene (p/m)	ND 0.00200	mg/L 1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylene (o)	ND 0.00100	mg/L 1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %	80-120	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.8 %	80-120	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Total BTEX	ND 0.00100	mg/L 1	[CALC]	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylenes (total)	ND 0.00100	mg/L 1	[CALC]	06/06/24 11:56	06/06/24 23:57	EPA 8021B	

MW-8A 4F05018-07 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	ND 0.0	00100 mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Toluene	ND 0.0	00100 mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Ethylbenzene	<b>0.00145</b> 0.0	00100 mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylene (p/m)	<b>0.00319</b> 0.0	00200 mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylene (o)	<b>0.00108</b> 0.0	00100 mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.4	4 % 80-120		P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.3	3 % 80-120		P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Total BTEX	<b>0.00572</b> 0.0	00100 mg/L	1	[CALC]	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylenes (total)	<b>0.00427</b> 0.0	00100 mg/L	1	[CALC]	06/06/24 11:56	06/07/24 00:19	EPA 8021B	

# 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
-	resurt	Limit	Cinto	Level	resure	701626	Limits	- Rd B	Limit	110103
Batch P4F0606 - *** DEFAULT PREP ***										
Blank (P4F0606-BLK1)				Prepared &	Analyzed:	06/06/24				
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	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.8	80-120			
LCS (P4F0606-BS1)				Prepared &	: Analyzed:	06/06/24				
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.0	80-120			
LCS Dup (P4F0606-BSD1)				Prepared &	Analyzed:	06/06/24				
Benzene	0.111	0.00100	mg/L	0.100		111	80-120	3.99	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	5.04	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.33	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	2.82	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	5.23	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			
Calibration Blank (P4F0606-CCB1)				Prepared &	Analyzed:	06/06/24				
Benzene	0.160		ug/l							
Toluene	0.430		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	1.51		"							
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Permian Basin Environmental Lab, L.P.

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# 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
rmaryte	Result	Liiilt	Units	Level	Result	/0KEC	Limits	NiD	Liiiit	110105
Batch P4F0606 - *** DEFAULT PREP ***										
Calibration Blank (P4F0606-CCB2)				Prepared &	Analyzed:	06/06/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.310		"							
Xylene (p/m)	0.880		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.1	80-120			
Calibration Check (P4F0606-CCV1)				Prepared &	: Analyzed:	06/06/24				
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	80-120			
Calibration Check (P4F0606-CCV2)				Prepared &	: Analyzed:	06/06/24				
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			
Calibration Check (P4F0606-CCV3)				Prepared: (	06/06/24 Aı	nalyzed: 06	/07/24			
Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		,,	0.120		99.0	80-120			

Permian Basin Environmental Lab, L.P.

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# Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		D (		0.1	G.		0/DEG		DDD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F0606 - *** DEFAULT PREP ***										
Matrix Spike (P4F0606-MS1)	Sou	rce: 4F05017-	01	Prepared:	06/06/24 Aı	nalyzed: 06	5/07/24			
Benzene	0.124	0.00100	mg/L	0.100	ND	124	80-120			QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120			
Ethylbenzene	0.124	0.00100	"	0.100	ND	124	80-120			QM-05
Xylene (p/m)	0.239	0.00200	"	0.200	0.00105	119	80-120			
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Matrix Spike Dup (P4F0606-MSD1)	Sou	rce: 4F05017-	01	Prepared:	06/06/24 Aı	nalyzed: 06	5/07/24			
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120	2.04	20	QM-05
Toluene	0.113	0.00100	"	0.100	ND	113	80-120	2.20	20	
Ethylbenzene	0.122	0.00100	"	0.100	ND	122	80-120	2.17	20	QM-05
Xylene (p/m)	0.232	0.00200	"	0.200	0.00105	116	80-120	2.63	20	
Xylene (o)	0.106	0.00100	"	0.100	ND	106	80-120	3.20	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

#### **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 CC 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

	Dien	Device C		
Report Approved By:			Date:	6/19/2024

RARM

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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		3	Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com										CODE				KIMANA	1)	575-441-4835	Artesia, NM 88210	408 Texas St.	Talon LPE	David Adkins	
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# PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# 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: 4I09012



**Current Certification** 

Report Date: 09/17/24

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7A	4I09012-01	Water	09/06/24 09:59	09-06-2024 15:55
MW-8A	4I09012-02	Water	09/06/24 10:46	09-06-2024 15:55
MW-14	4I09012-03	Water	09/06/24 12:25	09-06-2024 15:55
MW-15	4I09012-04	Water	09/06/24 11:48	09-06-2024 15:55
MW-17	4I09012-05	Water	09/06/24 09:36	09-06-2024 15:55
MW-18	4I09012-06	Water	09/06/24 10:28	09-06-2024 15:55
MW-16	4I09012-07	Water	09/06/24 10:56	09-06-2024 15:55
MW-19	4I09012-08	Water	09/06/24 11:16	09-06-2024 15:55

### MW-7A 4I09012-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
							<u> </u>		
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		117 %	80-120		P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:36	EPA 8021B	

Xylenes (total)

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

**0.00526** 0.00100

### MW-8A 4I09012-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Ethylbenzene	0.00250	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Xylene (p/m)	0.00398	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Xylene (o)	0.00128	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	80-120		P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Total BTEX	0.00776	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:56	EPA 8021B	

[CALC]

09/09/24 13:57

09/10/24 10:56

EPA 8021B

### MW-14 4I09012-03 (Water)

									1
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		123 %	80-120		P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 11:17	EPA 8021B	

Total BTEX

Xylenes (total)

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

ND 0.00100

ND 0.00100

### MW-15 4I09012-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian Ba	asin Envi	ronmental ]	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.3 %	80-120		P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.2 %	80-120		P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	

[CALC]

[CALC]

09/11/24 13:36

09/11/24 13:36

09/11/24 16:40

09/11/24 16:40

EPA 8021B

EPA 8021B

Xylenes (total)

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

ND 0.00100

### MW-17 4I09012-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.2 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.2 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:02	EPA 8021B	

[CALC]

09/11/24 13:36

09/11/24 17:02

EPA 8021B

Total BTEX

Xylenes (total)

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

### MW-18 4I09012-06 (Water)

Analyte	Result	eporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	rmian Ba	sin Envir	onmental I	Lab, L.P.			
Organics by GC									
Benzene	ND 0.	.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Toluene	ND 0.	.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Ethylbenzene	ND 0.	.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Xylene (p/m)	ND 0.	.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Xylene (o)	ND 0.	.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98	3.8 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87	7.8 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	

[CALC]

[CALC]

09/11/24 13:36

09/11/24 13:36

09/11/24 17:24

09/11/24 17:24

EPA 8021B

EPA 8021B

mg/L

ND 0.00100

ND 0.00100

MW-16 4I09012-07 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

### Permian Basin Environmental Lab, L.P.

Organics by GC								
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Surrogate: 4-Bromofluorobenzene		99.4 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Surrogate: 1,4-Difluorobenzene		88.3 %	80-120		P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:46	EPA 8021B
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:46	EPA 8021B

Xylene (o)

Total BTEX

Xylenes (total)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

EPA 8021B

EPA 8021B

EPA 8021B

EPA 8021B

EPA 8021B

09/11/24 18:08

09/11/24 18:08

09/11/24 18:08

09/11/24 18:08

09/11/24 18:08

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

ND 0.00100

98.9 %

88.1 %

ND 0.00100

ND 0.00100

### MW-19 4I09012-08 (Water)

Analyte	R Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Pe	ermian E	Basin Envir	onmental l	Lab, L.P.			
Organics by GC									
Benzene	ND 0	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Toluene	ND 0	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Ethylbenzene	ND 0	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Xylene (p/m)	ND 0	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	

P4I1106

P4I1106

P4I1106

[CALC]

[CALC]

09/11/24 13:36

09/11/24 13:36

09/11/24 13:36

09/11/24 13:36

09/11/24 13:36

mg/L

80-120

80-120

mg/L

mg/L

# 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 P4I0910 - *** DEFAULT PREP ***									<u> </u>	
Blank (P4I0910-BLK1)				Prepared: (	09/09/24 Aı	nalyzed: 09	0/10/24			
Benzene	ND	0.00100	mg/L	1						
Toluene	ND	0.00100	"							
Ethylbenzene	0.00195	0.00100	"							B-13
Xylene (p/m)	0.00270	0.00200	"							B-13
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.157		"	0.120		131	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	80-120			
LCS (P4I0910-BS1)				Prepared: (	09/09/24 Aı	nalyzed: 09	0/10/24			
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.145		"	0.120		120	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			
LCS Dup (P4I0910-BSD1)				Prepared: (	09/09/24 Aı	nalyzed: 09	0/10/24			
Benzene	0.108	0.00100	mg/L	0.100		108	80-120	3.99	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	3.27	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	3.72	20	
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120	4.14	20	
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	7.57	20	
Surrogate: 4-Bromofluorobenzene	0.150		"	0.120		125	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Calibration Blank (P4I0910-CCB1)				Prepared: (	09/09/24 Aı	nalyzed: 09	0/10/24			
Benzene	0.390		ug/l							
Toluene	0.530		"							
Ethylbenzene	2.11		"							B-13
Xylene (p/m)	3.00		"							B-13
Xylene (o)	0.960		"							
Surrogate: 4-Bromofluorobenzene	0.158		"	0.120		132	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

# 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 P4I0910 - *** DEFAULT PREP ***  Calibration Plank (P4I0010 CCP2)				Dranarad: (	00/00/24 4-	nalyzad: 00	1/10/24			
Calibration Blank (P4I0910-CCB2) Benzene	0.150		ug/l	Prepared: (	19/09/24 A1	naiyzed: 09	/10/24			
Toluene	0.130		ug/i							
Ethylbenzene	1.32		"							B-13
Xylene (p/m)	1.76		"							Б 1.
Xylene (o)	0.640		"							
Surrogate: 4-Bromofluorobenzene	0.153		"	0.120		127	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			5-00
Surrogue. 1,4-Dijuoroochzene	0.120			0.120		100	00-120			
Calibration Check (P4I0910-CCV1)				Prepared: (	09/09/24 Aı	nalyzed: 09	/10/24			
Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		115	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.146		"	0.120		122	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Calibration Check (P4I0910-CCV2)				Prepared: (	09/09/24 Aı	nalyzed: 09	/10/24			
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	80-120			
Calibration Check (P4I0910-CCV3)				Prepared: (	09/09/24 Aı	nalyzed: 09	/10/24			
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

# 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 P4I0910 - *** DEFAULT PREP ***										
Matrix Spike (P4I0910-MS1)	Sou	rce: 4106006-0	)1	Prepared:	09/09/24 Ar	nalyzed: 09	/10/24			
Benzene	0.0846	0.00100	mg/L	0.100	0.00131	83.3	80-120			
Toluene	0.0848	0.00100	"	0.100	0.000570	84.3	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100	0.00249	85.6	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200	0.00168	85.6	80-120			
Xylene (o)	0.0837	0.00100	"	0.100	ND	83.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
Matrix Spike Dup (P4I0910-MSD1)	Sou	rce: 4106006-0	)1	Prepared:	09/09/24 Ar	nalyzed: 09	/10/24			
Benzene	0.125	0.00100	mg/L	0.100	0.00131	123	80-120	38.7	20	R
Toluene	0.113	0.00100	"	0.100	0.000570	113	80-120	28.8	20	R
Ethylbenzene	0.117	0.00100	"	0.100	0.00249	115	80-120	29.2	20	R
Xylene (p/m)	0.239	0.00200	"	0.200	0.00168	119	80-120	32.5	20	R
Xylene (o)	0.122	0.00100	"	0.100	ND	122	80-120	37.6	20	R
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			
Batch P4I1106 - *** DEFAULT PREP ***										
Blank (P4I1106-BLK1)				Prepared &	& Analyzed:	09/11/24				
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	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

Permian Basin Environmental Lab, L.P.

# 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 P4I1106 - *** DEFAULT PREP ***										
LCS (P4I1106-BS1)				Prepared &	: Analyzed:	09/11/24				
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.0	80-120			
LCS Dup (P4I1106-BSD1)				Prepared &	: Analyzed:	09/11/24				
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.880	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	1.01	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	3.41	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.47	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	1.38	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	80-120			
Calibration Blank (P4I1106-CCB1)				Prepared &	: Analyzed:	09/11/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	80-120			
Calibration Blank (P4I1106-CCB2)				Prepared &	: Analyzed:	09/11/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.7	80-120			

Permian Basin Environmental Lab, L.P.

# Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Prepared & Analyzed: 09/11/24   Serizone   0.108   0.000   mg/L   0.100   108   80-120   100-100   100-100   100										
Prepared & Analyzed: 09/11/24   Surgeone   0.108   0.0100   0.0100   0.0100   0.0100   0.00000   0.0	Analyte	Result		Units	-		%REC		RPD	Notes
Prepared & Analyzed: 09/11/24   Surgeone   0.108   0.0100   0.0100   0.0100   0.0100   0.00000   0.0	Batch P4I1106 - *** DEFAULT PREP ***									
Senzene					Prepared &	: Analyzed:	09/11/24			
Foliume 0.112 0.0010 " 0.100 112 80-120 112	Benzene	0.108	0.00100	mg/L				80-120		
Section   Sect	Toluene	0.112	0.00100		0.100		112	80-120		
Very team (a)   0.110   0.00100   " 0.100   110   80-120	Ethylbenzene	0.112	0.00100	"	0.100		112	80-120		
Server   S	Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120		
Calibration Check (P411106-CCV2)	Xylene (o)	0.110	0.00100	"	0.100		110	80-120		
Prepared & Analyzed: 09/11/24   Solution   Calibration Check (P411106-CCV2)   Prepared & Analyzed: 09/11/24   Solution   Calibration Check (P411106-CCV2)   Prepared & Analyzed: 09/11/24   Solution   Calibration Check (P411106-CCV2)   Prepared & Analyzed: 09/11/24   Solution   Calibration Check (P411106-CCV2)   Prepared: 09/11/24   Calibration Check (P411106-CCV3)    Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.5	80-120			
Senzene	Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.3	80-120		
Column   C	Calibration Check (P4I1106-CCV2)				Prepared &	: Analyzed:	09/11/24			
Sethylbenzene   0.106   0.00100   "   0.100   106   80-120   117	Benzene	0.104	0.00100	mg/L	0.100		104	80-120		
Name   Name	Toluene	0.105	0.00100	"	0.100		105	80-120		
Surrogate: 4-Bromofluorobenzene   0.121   " 0.120   101 80-120   101	Ethylbenzene	0.106	0.00100	"	0.100		106	80-120		
Surrogate: 1.4-Difluorobenzene   0.121   " 0.120   101   80-120	Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120		
Surrogate: 1,4-Diffuorobenzene	Xylene (o)	0.105	0.00100	"	0.100		105	80-120		
Prepared: 09/11/24   Analyzed: 09/12/24	Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120		
Senzene   0.104   0.00100   mg/L   0.100   104   80-120	Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120		
Toluene 0.106 0.00100 " 0.100 106 80-120 Ethylbenzene 0.107 0.00100 " 0.100 107 80-120 Kylene (p/m) 0.235 0.00200 " 0.200 117 80-120 Kylene (o) 0.106 0.00100 " 0.100 106 80-120 Surrogate: 4-Bromofluorobenzene 0.119 " 0.120 99.0 80-120 Surrogate: 1,4-Difluorobenzene 0.113 " 0.120 93.9 80-120  Matrix Spike (P411106-MS1) Source: 4109012-04 Prepared: 09/11/24 Analyzed: 09/12/24 Senzene 0.106 0.00100 mg/L 0.100 ND 106 80-120 Surlogate: 4-Bromofluorobenzene 0.120 0.00100 " 0.100 ND 109 80-120 Ethylbenzene 0.120 0.00100 " 0.100 ND 120 80-120 Ethylbenzene 0.120 0.00100 " 0.100 ND 120 80-120 Kylene (p/m) 0.243 0.00200 " 0.200 ND 121 80-120 Ethylbenzene 0.107 0.00100 " 0.100 ND 107 80-120 Ethylbenzene 0.120 " 0.100 ND 107 80-120 Ethylbenzene 0.120 " 0.100 ND 107 80-120 Ethylbenzene 0.120 " 0.100 ND 107 80-120 Ethylbenzene 0.120 " 0.100 ND 107 80-120 Ethylbenzene 0.120 " 0.100 ND 107 80-120	Calibration Check (P4I1106-CCV3)				Prepared: 0	09/11/24 Ai	nalyzed: 09	/12/24		
Ethylbenzene 0.107 0.00100 " 0.100 107 80-120 Xylene (p/m) 0.235 0.00200 " 0.200 117 80-120 Xylene (p/m) 0.235 0.00200 " 0.200 117 80-120 Xylene (o) 0.106 0.00100 " 0.100 106 80-120 Surrogate: 4-Bromofluorobenzene 0.119 " 0.120 99.0 80-120 Surrogate: 1,4-Difluorobenzene 0.113 " 0.120 93.9 80-120 Surrogate: 1,4-Difluorobenzene 0.106 0.00100 mg/L 0.100 ND 106 80-120 Surrogate: 1,4-Difluorobenzene 0.106 0.00100 mg/L 0.100 ND 106 80-120 Surrogate: 1,4-Difluorobenzene 0.109 0.00100 " 0.100 ND 109 80-120 Surrogate: 1,4-Difluorobenzene 0.120 0.00100 " 0.100 ND 109 80-120 Surrogate: 4-Bromofluorobenzene 0.120 0.00100 " 0.100 ND 120 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.100 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.100 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 ND 107 80-120 Surrogate: 4-Br	Benzene	0.104	0.00100	mg/L	0.100		104	80-120		
Note	Toluene	0.106	0.00100	"	0.100		106	80-120		
Xylene (o)         0.106         0.00100         "         0.100         106         80-120           Surrogate: 4-Bromofluorobenzene         0.119         "         0.120         99.0         80-120           Surrogate: 1,4-Difluorobenzene         0.113         "         0.120         93.9         80-120           Matrix Spike (P411106-MS1)         Source: 4109012-04         Prepared: 09/11/24 Analyzed: 09/12/24           Benzene         0.106         0.00100         mg/L         0.100         ND         106         80-120           Toluene         0.109         0.00100         "         0.100         ND         109         80-120           Ethylbenzene         0.120         0.00100         "         0.100         ND         120         80-120           Xylene (p/m)         0.243         0.00200         "         0.200         ND         121         80-120           Xylene (o)         0.107         0.00100         "         0.100         ND         107         80-120           Xylene (a)         0.120         "         0.120         ND         107         80-120	Ethylbenzene	0.107	0.00100	"	0.100		107	80-120		
Surrogate: 4-Bromofluorobenzene   0.119   " 0.120   99.0   80-120	Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120		
Matrix Spike (P4I1106-MS1)  Source: 4I09012-04  Prepared: 09/11/24 Analyzed: 09/12/24  Benzene  0.106  0.00100 mg/L  0.100  ND  106  80-120  Bethylbenzene  0.120  0.00100 "  0.100  ND  120  80-120  CVylene (p/m)  0.243  0.00200 "  0.200  ND  121  80-120  QN  Explore (o)  0.107  0.00100 "  0.100  ND  107  80-120  QN  Surrogate: 4-Bromofluorobenzene  0.120  "  0.120  100  80-120	Xylene (o)	0.106	0.00100	"	0.100		106	80-120		
Matrix Spike (P4I1106-MS1)         Source: 4109012-04         Prepared: 09/11/24 Analyzed: 09/12/24           Benzene         0.106         0.00100 mg/L         0.100 ND         106 80-120           Foluene         0.109         0.00100 " 0.100 ND 109 80-120         80-120           Ethylbenzene         0.120         0.00100 " 0.100 ND 120 80-120         80-120           Kylene (p/m)         0.243         0.00200 " 0.200 ND 121 80-120         QN           Kylene (o)         0.107         0.00100 " 0.100 ND 107 80-120         80-120	Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	80-120		
Senzene   0.106   0.00100   mg/L   0.100   ND   106   80-120	Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		93.9	80-120		
Toluene 0.109 0.00100 " 0.100 ND 109 80-120 Ethylbenzene 0.120 0.00100 " 0.100 ND 120 80-120 Kylene (p/m) 0.243 0.00200 " 0.200 ND 121 80-120 QN Kylene (o) 0.107 0.00100 " 0.100 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 100 80-120	Matrix Spike (P4I1106-MS1)	Sou	ırce: 4I09012-(	)4	Prepared: 0	09/11/24 Aı	nalyzed: 09	/12/24		
Ethylbenzene 0.120 0.00100 " 0.100 ND 120 80-120 QN Xylene (p/m) 0.243 0.00200 " 0.200 ND 121 80-120 QN Xylene (o) 0.107 0.00100 " 0.100 ND 107 80-120 Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 100 80-120	Benzene	0.106	0.00100	mg/L	0.100	ND	106	80-120		
Xylene (p/m)       0.243       0.00200       "       0.200       ND       121       80-120       QN         Xylene (o)       0.107       0.00100       "       0.100       ND       107       80-120         Surrogate: 4-Bromofluorobenzene       0.120       "       0.120       100       80-120	Toluene	0.109	0.00100	"	0.100	ND	109	80-120		
Xylene (o)         0.107         0.00100         "         0.100         ND         107         80-120           Surrogate: 4-Bromofluorobenzene         0.120         "         0.120         100         80-120	Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120		
Surrogate: 4-Bromofluorobenzene 0.120 " 0.120 100 80-120	Xylene (p/m)	0.243	0.00200	"	0.200	ND	121	80-120		QM-0
urrogue. 4-Bromojuorovenzene 0.120 0.120 100 00-120	Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120		
Surrogate: 1,4-Difluorobenzene 0.112 " 0.120 93.5 80-120	Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120		
	Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.5	80-120		

Permian Basin Environmental Lab, L.P.

# Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

<b>Batch P4I1106</b> -	- *** DEFAULT PREP ***
------------------------	------------------------

Matrix Spike Dup (P4I1106-MSD1)	Sour	ce: 4I09012-0	)4	Prepared: 0	9/11/24 Aı	nalyzed: 09	/12/24		
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120	3.23	20
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	2.76	20
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	2.59	20
Kylene (p/m)	0.237	0.00200	"	0.200	ND	118	80-120	2.55	20
Kylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	2.59	20
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120		
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.2	80-120		

#### **Notes and Definitions**

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

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

B-13 A common laboratory contaminant was above the RL in the blank

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

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

	Revision #: 2021_1	1			Marcha Constitution of the		Special Instructions:		40 × MW-19	MW-16	MW-18	MW-17			WW-8A	LAB # (lab use only	"	1501015	URDER#: 4T nanin	(Ann)	ture:	Telephone No: 575-441-4835	Artesia, N	ress:		Company Name: Talon   PE	Project Manager: David Adkins	116 d
	L	Date Time	Date Time	1 I K K K	yant@paalp.com, N											Beginning Depth Ending Depth				St Multer	-	4835	Artesia, NM 88210	is St.	)   [	ñ	lkins	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUES
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# PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



# 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: 4L10014



**Current Certification** 

Report Date: 12/13/24

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4L10014-01	Water	12/06/24 13:32	12-10-2024 15:17
MW-18	4L10014-02	Water	12/06/24 13:57	12-10-2024 15:17
MW-16	4L10014-03	Water	12/06/24 14:17	12-10-2024 15:17
MW-7A	4L10014-04	Water	12/06/24 11:06	12-10-2024 15:17
MW-19	4L10014-05	Water	12/06/24 12:12	12-10-2024 15:17
MW-9A	4L10014-06	Water	12/06/24 12:42	12-10-2024 15:17
MW-8A	4L10014-07	Water	12/06/24 11:45	12-10-2024 15:17
MW-6A	4L10014-08	Water	12/06/24 13:06	12-10-2024 15:17

## MW-17 4L10014-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	resur	2	Cinto	Diración	Buttin	Tropurou	,		
		P	ermian B	asin Envi	ronmental I	ab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-120		P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 18:42	EPA 8021B	

## MW-18 4L10014-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental I	ab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		78.1 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:04	EPA 8021B	

## MW-16 4L10014-03 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:25	EPA 8021B	

## MW-7A 4L10014-04 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.4 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:47	EPA 8021B	

## MW-19 4L10014-05 (Water)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		ъ	oumion D	asin Envi	uonmantal I	ah I D			
		P	ermian B	asın Envi	ronmental I	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:09	EPA 8021B	

## MW-9A 4L10014-06 (Water)

		Reporting							l
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	0.00237	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Toluene	0.00224	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Ethylbenzene	0.00186	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylene (p/m)	0.00345	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylene (o)	0.00164	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Total BTEX	0.0116	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylenes (total)	0.00509	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:31	EPA 8021B	

## MW-8A 4L10014-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental l	Lab, L.P.			
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	80-120		P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:53	EPA 8021B	

## MW-6A 4L10014-08 (Water)

Analyte		Reporting						M.d. 1	N. A
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental I	Lab, L.P.			
Organics by GC									
Benzene	0.0881	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Ethylbenzene	0.0470	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylene (p/m)	0.0338	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylene (o)	0.0128	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		76.7 %	80-120		P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		107 %	80-120		P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Total BTEX	0.182	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylenes (total)	0.0466	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 21:15	EPA 8021B	

# Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source	0.48	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P4L1108 - *** DEFAULT PREP ***										
Blank (P4L1108-BLK1)				Prepared &	Analyzed:	12/11/24				
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	0.0970		"	0.120		80.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
LCS (P4L1108-BS1)				Prepared &	Analyzed:	12/11/24				
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.0998	0.00100	"	0.100		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			
LCS Dup (P4L1108-BSD1)				Prepared &	Analyzed:	12/11/24				
Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120	8.82	20	
Toluene	0.0912	0.00100	"	0.100		91.2	80-120	9.27	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	9.55	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120	8.69	20	
Xylene (o)	0.0912	0.00100	"	0.100		91.2	80-120	9.04	20	
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		110	80-120			
Calibration Blank (P4L1108-CCB1)				Prepared &	Analyzed:	12/11/24				
Benzene	0.00	<u> </u>	ug/l			<u> </u>		<u> </u>		<u> </u>
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0962		"	0.120		80.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

# 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 P4L1108 - *** DEFAULT PREP ***										
Calibration Blank (P4L1108-CCB2)				Prepared &	z Analyzed:	12/11/24				
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0964		"	0.120		80.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			
Calibration Check (P4L1108-CCV1)				Prepared &	Analyzed:	12/11/24				
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.0975	0.00100	"	0.100		97.5	80-120			
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0984		"	0.120		82.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		108	80-120			
Calibration Check (P4L1108-CCV2)				Prepared &	Analyzed:	12/11/24				
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.0978	0.00100	"	0.100		97.8	80-120			
Ethylbenzene	0.0972	0.00100	"	0.100		97.2	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0978	0.00100	"	0.100		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0976		"	0.120		81.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			
Calibration Check (P4L1108-CCV3)				Prepared: 1	12/11/24 Aı	nalyzed: 12	/12/24			
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0998	0.00100	"	0.100		99.8	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0989	0.00100	"	0.100		98.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0948		"	0.120		79.0	80-120			S-0
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Permian Basin Environmental Lab, L.P.

# Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Matrix Spike (P4L1108-MS1)	Sour	ce: 4L10013-	01	Prepared:	12/11/24 An	alyzed: 12	2/12/24			
Benzene	0.105	0.00100	mg/L	0.100	ND	105	80-120			
Toluene	0.0996	0.00100	"	0.100	ND	99.6	80-120			
Ethylbenzene	0.111	0.00100	"	0.100	0.000880	110	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200	ND	110	80-120			
Xylene (o)	0.0977	0.00100	"	0.100	ND	97.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.0975		"	0.120		81.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		110	80-120			
Matrix Spike Dup (P4L1108-MSD1)	Sour	ce: 4L10013-	01	Prepared:	12/11/24 An	alyzed: 12	2/12/24			
Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	0.985	20	

matter spine bup (1 ibited misbi)	5041		V-	P						
Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	0.985	20	
Toluene	0.0993	0.00100	"	0.100	ND	99.3	80-120	0.292	20	
Ethylbenzene	0.111	0.00100	"	0.100	0.000880	111	80-120	0.118	20	
Xylene (p/m)	0.220	0.00200	"	0.200	ND	110	80-120	0.123	20	
Xylene (o)	0.0971	0.00100	"	0.100	ND	97.1	80-120	0.575	20	
Surrogate: 4-Bromofluorobenzene	0.0958		"	0.120		79.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120			

#### **Notes and Definitions**

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL CC 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:

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/	new Sala	

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

12/13/2024

Date:

PBEL_COC_2021_1		Matthey Beasley	Bartlet Moder		Special Instructions:		5 MW-GA	Mw-8A	6 MW-9A	5 MW-19	4 MW-JA	3 NY 16	2 MW-18	1 -WM-17		#(lab use only)	ORDER#: ヤレ・シン・	Ill 10014	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name:	Project Manager:	DREIN
Revision #: 2021_1	Date		13- <b>4</b> -24	Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com											FIELD CODE			*	Barollett Mally	575-441-4835	Artesia, NM 88210	408 Texas St.	Talon LPE	David Adkins	CHAIN OF
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	Ì			SE BSL					<u> </u>						HN		Preservation &#of</td><td>İ</td><td>(e)</td><td></td><td></td><td></td><td></td><td>Basin Kin F</td><td>Œ</td></tr><tr><td></td><td></td><td></td><td></td><td>paal</td><td>-</td><td>+</td><td>U</td><td>M</td><td>ω</td><td>w</td><td>W</td><td>w</td><td>ω</td><td>3</td><td>HÇI H₂S</td><td></td><td>valibn</td><td></td><td></td><td>•</td><td></td><td></td><td></td><td>IS 73</td><td>ST</td></tr><tr><td>- 1</td><td>j</td><td></td><td></td><td>D.COI</td><td><math>\vdash</math></td><td>+-</td><td><math>\vdash</math></td><td></td><td>-</td><td>-</td><td></td><td><u>                                     </u></td><td></td><td></td><td>NaC</td><td></td><td>&#o</td><td></td><td>Į. Ĝ.</td><td>-  </td><td></td><td></td><td></td><td>(frong</td><td></td></tr><tr><td></td><td>ļ</td><td></td><td></td><td>╛</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5<sub>2</sub>O<sub>3</sub></td><td>വ</td><td></td><td></td><td></td><td></td><td></td><td></td><td>nent</td><td></td></tr><tr><td>ł</td><td>12</td><td>1/3</td><td>12/</td><td></td><td>L</td><td></td><td><b> </b></td><td>ļ</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Non</td><td>· · · · · · · · · · · · · · · · · · ·</td><td>ontainers</td><td>ļ</td><td>.com,</td><td>i</td><td></td><td></td><td></td><td>al La ,</td><td>,<del>.</del></td></tr><tr><td>1</td><td><b>S</b>\$</td><td>/なが   Date</td><td>19/24</td><td>7</td><td>_</td><td></td><td>6</td><td>6</td><td></td><td></td><td>6</td><td>_</td><td></td><td></td><td></td><td>ir ( Specify) Drinking Water SL=Sludge</td><td>Н</td><td></td><td>Į∄</td><td>I</td><td></td><td>l</td><td>}</td><td><b>[</b></td><td></td></tr><tr><td>1</td><td>2</td><td>4</td><td>9</td><td></td><td>1</td><td></td><td>GW.</td><td>E</td><td>€¥</td><td>€ <b>€</b></td><td>Ç₩</td><td>Ç.W</td><td>G-W</td><td>ωW</td><td></td><td>Groundwater S=Soil/Solid</td><td>Matrix</td><td></td><td>) on</td><td>æ.</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>ľ</td><td><u>~</u> =</td><td></td><td>2:47</td><td></td><td><math>\vdash</math></td><td>-</td><td>ļ</td><td><u>                                     </u></td><td>ļ</td><td></td><td>-</td><td></td><td></td><td></td><td>NP≃! TPH:</td><td>ion-Polable Specify Other TX 1005 TX 1006</td><td>×</td><td></td><td>mgomez@talonipe.com</td><td>Report Format:</td><td></td><td>Project Loc:</td><td>₽</td><td>Project Name:</td><td></td></tr><tr><td>ľ</td><td>言</td><td>Time</td><td>:47</td><td>3</td><td><math>\vdash</math></td><td>-</td><td><math>\vdash</math></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td>s (Cl, SO4, Alkalinity)</td><td>   </td><td></td><td>180</td><td>Forr</td><td><b>ש</b>ַ</td><td>] 13¢</td><td>Project#:</td><td>t Na</td><td><math>\Omega</math></td></tr><tr><td>Î</td><td>AR F</td><td>San</td><td>Shoot Care</td><td>ν San</td><td></td><td></td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>×</td><td>BTEX</td><td>8021B/5030 or BTEX 6260</td><td></td><td></td><td>  §</td><td>nat</td><td>PO #</td><td>.0C:</td><td>并 并</td><td>me:</td><td><u>Ω</u>  </td></tr><tr><td></td><td>Temperatur Received: Adjusted:</td><td>20.64 10.64 10.64</td><td>tody tody</td><td>Die (</td><td></td><td></td><td><u>                                     </u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>TOTAL</td><td>TC</td><td>be</td><td></td><td>1</td><td>Lea</td><td></td><td></td><td></td></tr><tr><td></td><td>emperature Upon Receipti Received: 45 °C 1 Idjusted: 45 °C 1</td><td>Sample Hand Delivered by Sampler/Client Rep. ?</td><td>Custody seals on container(s) Custody seals on container(s)</td><td>Sample Containers Intact? VOCs Free of Headspace?</td><td>aboratory Comments:</td><td>-</td><td>H</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>.</u></td><td>Å</td><td>TCLP:</td><td>8</td><td>Standard</td><td>SRS# 2000-10757</td><td>ia C</td><td>Plains</td><td>Phone: 432-686-7 Kimbrough (Kim)</td><td></td></tr><tr><td>J</td><td>بُر⁄ ڳِيَ آ</td><td>" "Qe!i</td><td>Son</td><td>inen Hea</td><td></td><td>+</td><td><del>                                     </del></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>┠╢</td><td>Asnaiyze</td><td>.[3</td><td>dard</td><td>22</td><td>ù</td><td>Α</td><td>ino.</td><td></td></tr><tr><td>İ</td><td>, , , R.S.</td><td>vered Ps</td><td>onta odei</td><td>s Inta</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> Š</td><td>County, NM</td><td>I Ar</td><td>gh (</td><td>  .¥</td></tr><tr><td></td><td>က်မှီး ကြမ္</td><td>P</td><td>(S)</td><td>833</td><td>"<b> </b>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u>                                     </u></td><td></td><td><math>\Box</math></td><td>0</td><td>z</td><td>ner</td><td>\(\bar{\}\)</td><td></td></tr><tr><td>ŀ</td><td>acid Head</td><td>星</td><td><u>s)</u></td><td></td><td><math>\vdash</math></td><td>+</td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td><td><math>\dashv</math></td><td>•</td><td></td><td>dash</td><td><math>\dashv</math></td><td></td><td>TRRP</td><td>757</td><td>S</td><td>All American</td><td>Phone: 432-686-7235 brough (Kim)</td><td></td></tr><tr><td></td><td>Thermometer:</td><td><u></u></td><td></td><td></td><td>-</td><td>+-</td><td>H</td><td></td><td>H</td><td></td><td></td><td></td><td></td><td><math>\dashv</math></td><td></td><td></td><td></td><td><math>\dashv</math></td><td></td><td>U</td><td> </td><td></td><td></td><td>83</td><td></td></tr><tr><td>Page ⊥ of</td><td><u>                                     </u></td><td></td><td>~ <b>~</b> -</td><td>₹</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>]  </td><td>Pipeline</td><td></td><td></td></tr><tr><td>ᆡ</td><td>2,</td><td></td><td></td><td></td><td>L</td><td><u>                                     </u></td><td></td><td>i</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>NPDES</td><td></td><td></td><td>line</td><td>'</td><td></td></tr><tr><td><u>                                     </u></td><td><math>\langle n_{ij} \rangle</math></td><td>in ~ Z</td><td>ZZZ</td><td>- 44</td><td>-</td><td>-</td><td>×</td><td><math>\overline{\mathbf{x}}</math></td><td>×</td><td>×</td><td>×</td><td>~</td><td></td><td></td><td></td><td>H TAT (Pre-Schedule) 2 dard TAT</td><td>24, 4</td><td>8, 72</td><td>1</td><td>Ĭ</td><td></td><td></td><td>٠.٠</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>· •</td><td>- *</td><td></td><td></td><td>- 1</td><td>- ></td><td><b>×</b></td><td>· `</td><td>나이</td><td>Merch 1C/1</td><td></td><td></td><td>1</td><td></td><td>1</td><td>ı l</td><td></td><td></td><td></td></tr></tbody></table>								



# **APPENDIX D**

New Mexico Well Record and Logs and New Mexico Plugging Reports

# **SOIL BORING / MONITORING WELL LOG**

				<u>SUIL</u>	<u>D(</u>	<u> אווחכ</u>	G / IV	IONITORING WELL LOG	
	_		h Sweet 8"	24				DRILLING COMPANY: Talon/LPE	—
			700376.050.3						— <u> </u>
			eting, L.P.					DRILLING METHOD:	—
			MBER: MW-5A	Α					<u> </u>
	_ DEPT								_
			DN:						_
			Adkins						_
LAIII	UDE: 3	2.78004			_	<u> </u>		LONGITUDE: -103.238976 PAGE 1 c	of 1
DEPTH (FT.)	SOSN	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	<b>DEPTH</b> (FT)
0									
							5'		
	SP	*****			1			10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/2 Pinkish Gray, Sandy	
	SP							Silty With Caliche, No Odor, Dry	
	Ji.	:::::::						10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Silty Sandy, Clayey With Caliche, Strong Odor, Dry	
$\Box$								only candy, diayoy that called to, choing cool, bry	
20	SP							5% Caliche, 15% Clay, 40% Sand, 40% Silt, 5R 3/3 Dusky Red, Silty	
	0.							Sandy Clayey With Caliche, Strong Odor, Dry	
		(							
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand	
								g : , . , . , ,	
40	SP	2 1 1 2 1						40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
		j::::;:i							
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
		[#####							
60									
00	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
		2::::::							
-									
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
									L
80									
	SP		│ <mark>ॗॗॗॗॗॗॗ</mark> ॗॗॗॗॗॗॗॗॗॗॗ					40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
$\mid \mid \mid \mid$		(1)			+		85'		$\vdash$
								Bottom of Hole	
100									
120									
							<u> </u>		
REM	ARKS		PODING LOG	s cuolii		IOT DE	LICED	CERADATE FROM THE ORIGINAL REPORT	
		11119	DOMING LOG	1 3 T U U I	ו ט'	NOI DE	. USED	SEPARATE FROM THE ORIGINAL REPORT.	

## **SOIL BORING / MONITORING WELL LOG**

PRO. CLIEI BORI	IECT NU NT: <u>Plai</u> i	MBER: ns Mark LL NUN	n Sweet 8" 700376.050.3 eting, L.P. MBER: MW-64	31 A				BORE HOLE DIAMETER:	
SURF GEOI		EVATIC David	N: Adkins						
ОЕРТН (FT.)	nscs	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DЕРТН (FT)
0									
	SP SP						5'	10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/1 Pinkish Gray, Silty Sand With Caliche, Strong Odor, Dry 10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Sandy, Clayey With Caliche, Strong Odor, Dry	
20	sc						20'	20% Caliche, 80% Clay, 5R 3/8 Dark Red, Caliche With Clay, Dry	
	SP						30'	40% Silt, 60% Sand, 5Y 6/4 Light Red Brown, Damp	
40	SP-SM	) 64 A-14 Ur ( ( ( ( ) ( ) ( )					40'	30% Sand, 70% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Damp	
	SP-SM							50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Odor, Damp	
60 ¥	SP-SM	12010123 619360 71633616 6163616 6163616						50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Damp	
	SP-SM							50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Wet	
80	SP-SM						85'	70% Sand, 30% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Wet  Bottom of Hole	
100	-								
	-								
120 REM	IARKS	 :						TALON	
		THIS	BORING LOG	SHOUL	.D N	NOT BE	USED	SEPARATE FROM THE ORIGINAL REPORT.	

# **SOIL BORING / MONITORING WELL LOG**

			gh Sweet 8" 700376.050.	21				DRILLING COMPANY: Talon/LPE DRILLER: Jose Salas	_				
			teting, L.P.					DDILLING METLIOD.					
			MBER: MW-9	۸				BORE HOLE DIAMETER:	—				
ı	AL DEPT			•				CODEEN, Diam Off Laureth COL Clas Cias 040					
			ON:										
	LOGIST:							DATE DDULED 0					
LATI	TUDE: 3	2.77987	74					LONGITUDE: -103.239112 PAGE 1	of 1				
_			N O				_						
БЕРТН (FT.)	(n		CTI				<u> </u>						
ĮΞ	nscs		ВÜ		ES	l ⊒ ₹	₽₽	DESCRIPTION OF STRATUM	Œ				
l id	>	loqu	L L		lF	1 1 1 1 1 1 1	H K K		TH.				
-		Soil Symbol	WELL	문	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL		<b>DEPTH (FT)</b>				
					ļ .				┢				
0													
							5'						
	SP-SM	1 (33):1:1					3	10% Claiche, 40% Sand, 50% Silt, 10YR 6/2 Light Brownish Gray, Silty					
	SP	1-1-1-1-1					10'	Sand With Caliche, No Odor, Dry					
								10% Caliche, 10% Silt, 80% Sand, 10YR 7/2 Light Gray, Silty Sand With Caliche, No Odor, Dry					
	-							With Gallone, 140 Gdot, 21y					
20	SP-SM	1.61.61.6			H		20'	50% Silt, 50% Sand, 7.5YR 7/3 Pink, Sandy Silty, No Odor, Dry	$\vdash$				
l h	-	1111111											
l	_	1.1.1.1.1.1					30'						
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Sandy Silty, No Odor,	-				
l								Dry					
40								400/ Cilt COO/ Count 7 EVD C/A Linkt Drawn Dry No Odor					
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Dry, No Odor					
	SP						$\vdash$	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, No Odor, Dry					
								• • • • • • • • • • • • • • • • • • •					
60													
	SP		l l∷≣∷l					40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Dry, No Odor					
	-	::::::						404/ 011/ 004/ 0 1 7 7 7 7 0 1 1 1 1 2 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2					
l h	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Odor					
l H	-												
80								400/ O'll 000/ Oard 7 5VD 0/41 into Days of Days A. Days A.					
l	SP						85'	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Odor					
l								Bottom of Hole	<u> </u>				
100													
	1												
1,00	-												
120	1												
REI	 MARKS	<del></del>	l	I	_	l		TALON	_				
` _ '								IA-ON					
		THIS	BORING LOC	SHOUL	.D N	NOT BE	USED	SEPARATE FROM THE ORIGINAL REPORT.					

# **KEY TO SYMBOLS**

## Symbol Description

## Strata symbols

Poorly graded sand

Clayey sand/ Low plasticity clay

Poorly graded sand with silt

## Misc. Symbols

Water table at boring completion

## Monitor Well Details

TT\*

capped riser with locking
cover

concrete seal

bentonite pellets

bentonite slurry

silica sand, blank PVC

slotted pipe w/ sand

endcap on pipe packed in sand

silica sand, no pipe
(end plug)



# WELL RECORD & LOG

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NO	OSE POD NO POD1 (MV	,	NO.)			WELL TAG ID NO.			OSE FI L-157	LE NO(\$ 70	S).			
OCATI	WELL OWNI Plains All			peline, L.P.					PHONI (575) 2	E (OPTIO 200-55				
GENERAL AND WELL LOCATION	well own 1106 Griffi		ING A	DDRESS					CITY Midlaı	nd		STAT Texa		ZIP 79705
N N	WELL			DE	GREES	MINUTES	SECON							
AL A	LOCATIO	N	LATIT	UDE	32	46	48	3 N			REQUIRED: ONE TEN	TH OF	A SECOND	
VER	(FROM GP	PS)	LONG	ITUDE	-103	14	20.4	894 W	* DAT	UM REC	QUIRED: WGS 84			
1. GE	DESCRIPTION QQJ6+295				STREET ADD	RESS AND COMMON	LANDM	ARKS – PLS	S (SECTI	ION, TO	WNSHJIP, RANGE) WH	ERE A	VAILABLE	
	LICENSE NO WD-1		1	NAME OF LICENSED		Robert A Meyer					NAME OF WELL DR T		COMPANY LPE, Ltd.	
	DRILLING S' 09/16/		]	DRILLING ENDED 09/16/2024	DEPTH OF CO	OMPLETED WELL (FT 85	")	BORE HO	LE DEPTI	H (FT)	DEPTH WATER FIR		COUNTERED (FT)	
N	COMPLETEI	O WELL I	IS:	ARTESIAN *add Centralizer info be		LE SHALLOV	W (UNCO	NFINED)	I		WATER LEVEL PLETED WELL 6	6	DATE STATIC N	
\TI(	DRILLING F	LUID:		✓ AIR	MUD	ADDITIVI	ES – SPEC	CIFY:						
RM	DRILLING M	IETHOD:	✓ R	OTARY 🗌 HAMI	MER 🗌 CAB	BLE TOOL 🔲 OTHE	ER – SPEC	CIFY:			CHECK INSTAL	HERE LED	IF PITLESS ADAF	TER IS
NFC	DEPTH	(feet bg	1)	BORE HOLE	CASING	MATERIAL AND	/OR	C/	ASING		CASING	CA	SING WALL	SLOT
2. DRILLING & CASING INFORMATION			DIAM (inches)		GRADE each casing string, sections of screen)	and	CON	NECTIO YPE		INSIDE DIAM. (inches)	Т	HICKNESS (inches)	SIZE (inches)	
& C∤	0	65	i	6.275		Sch 40 PVC			Riser		2		0.25	-
NG	65	85	i	6.275		Sch 40 PVC		S	creen		2		0.25	0.010
ПП														
DR														
2.														
	DEPTH	(feet bg	1)	BORE HOLE	LIST ANN	ULAR SEAL MATER			PACK	SIZE-	AMOUNT		METHO	OF.
ΨΓ	FROM	TC		DIAM. (inches)	*(if using Ca	RANGE BY entralizers for Artesia			snacing	helow)	(cubic feet)		PLACEM	
ERL	0	2		6.275	til using CC	I/II Portland			Spacing	<u>DCIOW</u> )	0.37		Tremi	e
IAT	2	60	)	6.275		Gi	rout				10.21		Trem	ie
IR N	60	62	:	6.275		Bentonite	e Chip S	eal			0.37		Trem	ie
ANNULAR MATERIAL	62	90	)	6.275		20/40 Filte	er Pack S	Sand			5.24		Trem	ie
NN														
3.											1			

FOR OSE INTERNAL USE

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

	DEPTH (f		THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	WATER BEARING?	ESTIMATED YIELD FOR WATER-					
	FROM	ТО	(feet)	(attach supplemental sheets to fully describe all units)	(YES / NO)	BEARING ZONES (gpm)					
	0	10	10	10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/2 Pinkish Gray, Sandy Silt W/ Caliche, No Odo	r, Dry Y V N						
	10	20	10	10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Silty Sandy Clay W/Caliche, Strong Od	or, Dry Y ✓ N						
	20	30	10	5% Caliche, 15% Clay, 40% Sand, 40% Silt, 5R 3/3 Dusky Red, Silty Sandy Clay W/Caliche, Strong Ode	or, Dry Y V N						
	30	90	60	40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Strong Odor, I	Damp ✓ Y N						
					Y N						
E					Y N						
4. HYDROGEOLOGIC LOG OF WELL					Y N						
OF					Y N						
ГОС					Y N						
CIC					Y N						
OTO					Y N						
GEC					Y N						
DRC					Y N						
. HY					Y N						
4					Y N						
					Y N						
					Y N						
					Y N						
					Y N						
					Y N						
	NETHOD H	CED TO EC	TIMATE VIELD	OF WATER REARING STRATA	Y N						
			_	OF WATER-BEARING STRATA:	TOTAL ESTIMATED WELL YIELD (gpm):						
	PUMP	A:	IR LIFT	BAILER OTHER – SPECIFY:	(81)						
NO	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE							
TEST; RIG SUPERVISIO	MISCELLAN	NEOUS INF	ORMATION:								
PEF											
G St											
l; RI											
rest	PRINT NAM	E(S) OF DI	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TI	HAN LICENSEE:					
'n	Jose A Salas										
TURE	CORRECT R	ECORD O	F THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELI DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL R 30 DAYS AFTER COMPLETION OF WELL DRILLING:							
6. SIGNATURE	Po	1-1	10/16/2024	10/16/2024							
9		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE NAME	DATE						
		SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE									

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

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ION	OSE POD NO POD2 (MV		O.)		WELL TAG ID NO.			OSE FILE NO(	S).			
OCAT.	WELL OWNE Plains All A		S) n Pipeline, L.P.					PHONE (OPTIO (575) 200-55				
GENERAL AND WELL LOCATION	WELL OWNE 1106 Griffi		G ADDRESS					CITY Midland		STA? Texa		ZIP 79705
N	WELL		DE	GREES	MINUTES	SECON	DS					
LA	LOCATIO	N LA	ATITUDE	32	46	47.87	734 N	* ACCURACY	REQUIRED: ONE TEN	TH OF	A SECOND	
ERA	(FROM GP	S) LC	ONGITUDE	-103	14	20.18	804 W	* DATUM REG	QUIRED: WGS 84			
SEN	DESCRIPTION	l l	NG WELL LOCATION TO	STREET ADD	RESS AND COMMON	I LANDMA	ARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE A	VAILABLE	
-	QQH6+XC	M Hobb	s, New Mexico									
	LICENSE NO		NAME OF LICENSED	DRILLER					NAME OF WELL DR	ILLING	G COMPANY	
	WD-1				Robert A Meyer						LPE, Ltd.	
	DRILLING ST 09/16/		DRILLING ENDED 09/16/2024	DEPTH OF CO	OMPLETED WELL (FT 85	Γ)	BORE HOI	LE DEPTH (FT) 90	DEPTH WATER FIR		COUNTERED (FT)	
N	COMPLETEI	WELL IS:	ARTESIAN *add Centralizer info be	DRY HO	LE SHALLO	W (UNCO	NFINED)		WATER LEVEL PLETED WELL 6	56	DATE STATIC 1 09/17/2	
	DRILLING FI	LUID:	✓ AIR	MUD	ADDITIV	ES – SPEC	IFY:	<b>1</b>				
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD: 🔽	ROTARY HAM	MER CAB	SLE TOOL OTHI	ER – SPEC	IFY:		CHECK INSTAL	HERE LED	IF PITLESS ADAF	TER IS
INF	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND GRADE	D/OR	CA	ASING	CASING	CA	SING WALL	SLOT
NG	FROM TO DIAM		(include	each casing string,	and		NECTION	INSIDE DIAM.	Т	HICKNESS	SIZE	
SASI			(inches)	note	note sections of screen)  (add coupling diamet			ling diameter)	(inches)		(inches)	(inches)
) % !	0	65	6.275		Sch 40 PVC			Riser	2		0.25	-
9NI'	65	85	6.275		Sch 40 PVC		<u> </u>	creen	2		0.25	0.010
III												
. DF												
	DEPTH	(feet bgl)	BORE HOLE	LIST ANN	ULAR SEAL MATER RANGE B			PACK SIZE-	AMOUNT		METHO	D OF
AL	FROM	TO	DIAM. (inches)	*(if using Ce	RANGE B entralizers for Artesi:			spacing below)	(cubic feet)		PLACEM	
ERI	0	2	6.275		I/II Portlan			<u> </u>	0.37		Trem	ie
MAT	2	60	6.275		G	rout			10.21		Trem	ie
AR I	60	62	6.275			e Chip Se			0.37		Trem	ie
ANNULAR MATERIAL	62	90	6.275		20/40 Filte	er Pack S	and		5.24		Trem	ie
ANN												
3.												
FOR	OSE INTER	NAL USE	3					WR-2	0 WELL RECORD	& LO	G (Version 09/22	2/2022)

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

Released to Imaging: 9/18/2025 8:50:32 AM

FILE NO.

LOCATION

	DEPTH (f	reet bgl)	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	10	10	100/ Claiche 400/ Sand 500/ Cit. 7 SVD / I Biolish Crov. Condu Cit. W/Colisha Strong Oddon	y, Dry Y ✓ N	ZONES (gpiii)
				10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/1 Pinkish Gray, Sandy Silt W/Caliche, Strong Odor	•	
	10	20	10	10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Sandy Caliche W/Clay, Strong Odo		
	20	30	10	20% Caliche, 80% Clay, 5R 3/8 Dark Red, Clay W/Caliche, Strong Odor,	-	
	30	40	10	40% Silt, 60% Sand, 5Y 6/4 Light Red Brown, Silty Sand, Strong Odor, D	-	
	40	50	10	30% Sand, 70% Silt, 5Y 6/4 Light Reddish Brown, Sandy Silt, Strong Odor, D		
TT	50	70	20	50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, D		
WE	70	80	10	50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor,		
OF	80	90	10	70% Sand, 30% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor,	Wet ✓ Y N	
70T					Y N	
GIC					Y N	
070					Y N	
GEO					Y N	
4. HYDROGEOLOGIC LOG OF WELL					Y N	
HXI					Y N	
4.					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
	PUMI	) <u> </u>	IR LIFT	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	
NO	WELL TES	l I · - ·		ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCI ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVE		
TEST; RIG SUPERVISION	MISCELLAI	NEOUS INF	FORMATION:			
TES	PRINT NAM	IE(S) OF DI	RILL RIG SUPER	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TH	IAN LICENSEE:
5.	Jose A Salas					
TURE	CORRECT F	RECORD O	F THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELI DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RI OD DAYS AFTER COMPLETION OF WELL DRILLING:		
6. SIGNATURE	Po	1-1	Ju	Robert A Meyer	10/16/2024	
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE NAME	DATE	

FOR OSE INTERNAL USE								
FILE NO.	POD NO.		TRN NO.					
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2				



# WELL RECORD & LOG

# OFFICE OF THE STATE ENGINEER

## www.ose.state.nm.us

ION	OSE POD NO POD3 (MV		D.)		WELL TAG ID NO.			OSE FILE NO( L-15770	S).			
OCAT)	WELL OWNE Plains All A		Pipeline, L.P.					PHONE (OPTI (575) 200-5:				
GENERAL AND WELL LOCATION	WELL OWNE 1106 Griffi		G ADDRESS					CITY Midland	STATE ZII Texas 792			
ND	WELL		DE	GREES	MINUTES	SECON	DS					
T A	LOCATIO	N LA	TITUDE	32	46	47.70	)78 <sub>N</sub>	* ACCURACY	REQUIRED: ONE TEN	TH OF	A SECOND	
ERA	(FROM GP	S) LO	NGITUDE	-103	14	21.21	136 W	* DATUM RE	QUIRED: WGS 84			
GEN	DESCRIPTION		NG WELL LOCATION TO	STREET ADD	RESS AND COMMON	LANDMA	ARKS – PLS	S (SECTION, TC	WNSHJIP, RANGE) WH	IERE A	VAILABLE	
1. (	QQH6+X8	6 Hobbs,	New Mexico									
	LICENSE NO		NAME OF LICENSED	DDILLED					NAME OF WELL DR	II I INC	COMPANY	
	WD-1		NAME OF EICENSED		Robert A Meyer						LPE, Ltd.	
	DRILLING ST 09/16/2		DRILLING ENDED 09/16/2024	DEPTH OF CO	OMPLETED WELL (FT 85	Γ)	BORE HOI	LE DEPTH (FT)	DEPTH WATER FIR		COUNTERED (FT) 270	
Z	COMPLETEI	WELL IS:	ARTESIAN *add Centralizer info be	DRY HO	LE SHALLO	W (UNCO	NFINED)		WATER LEVEL PLETED WELL	56	DATE STATIC 1	
	DRILLING FI	LUID:	✓ AIR	MUD	ADDITIV	ES – SPEC	IFY:					
2. DRILLING & CASING INFORMATION	DRILLING M	ETHOD: 🗸	ROTARY HAMN	MER 🗌 CAB	LE TOOL 🔲 OTHI	ER – SPEC	IFY:		CHECK INSTAI	HERE LLED	IF PITLESS ADAF	PTER IS
	DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND GRADE	O/OR	CA	SING	CASING	CA	SING WALL	SLOT
NG	FROM TO DIAM		(include	each casing string,	and		NECTION YPE	INSIDE DIAM.	Т	HICKNESS	SIZE	
SASI			(inches)	note	ote sections of screen)		(add coupl	ing diameter)	(inches)		(inches)	(inches)
) % !	0	65	6.275		Sch 40 PVC			Riser	2		0.25	-
9NI'	65	85	6.275		Sch 40 PVC		S	creen	2		0.25	0.010
III												
. DF												
	DEPTH	(feet bgl)	BORE HOLE	LIST ANNU	JLAR SEAL MATER			PACK SIZE-	AMOUNT		METHO)	D OF
ΑL	FROM	TO	DIAM. (inches)	*(if using Ce	RANGE BY			snacing helow)	(cubic feet)		PLACEM	
ERL	0	2	6.275	(ii using ee	I/II Portland			spacing below)	0.37		Trem	ie
IAT	2	60	6.275		G	rout			10.21		Trem	ie
IR I	60	62	6.275		Bentonite	e Chip Se	eal		0.37		Trem	ie
ANNULAR MATERIAL	62	90	6.275		20/40 Filte	er Pack S	and		5.24		Trem	ie
ANN												
3. 4												
FOR	OSE INTER	NAL USE	3					WR-2	0 WELL RECORD	& LO	G (Version 09/22	2/2022)

POD NO.

TRN NO.

WELL TAG ID NO.

PAGE 1 OF 2

Released to Imaging: 9/18/2025 8:50:32 AM

FILE NO.

LOCATION

	DEPTH (fe		THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	WATER BEARING?	ESTIMATED YIELD FOR WATER-			
	FROM	ТО	(feet)	(attach supplemental sheets to fully describe all units)	(YES / NO)	BEARING ZONES (gpm)			
	0	10	10	10% Claiche, 40% Sand, 50% Silt, 10YR 6/2 Light Brownish Gray,Sandy Silt W/Caliche, No Odor,	Ory Y ✓ N				
	10	20	10	10% Caliche, 10% Silt, 80% Sand, 10YR 7/2 Light Gray, Silty Sand W/Caliche, No Odor, I	ory Y ✓ N				
	20	30	10	50% Silt, 50% Sand, 7.5YR 7/3 Pink, Sandy Silty, No Odor, Dry	Y ✓N				
	30	70	40	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, No Odor, D	ry Y ✔N				
	70	90	20	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Oc	or ✓ Y N				
TT					Y N				
4. HYDROGEOLOGIC LOG OF WELL					Y N				
G OF					Y N				
ГОС					Y N				
CIC					Y N				
ото					Y N				
GE					Y N				
DRC					Y N				
H.					Y N				
4					Y N				
					Y N				
					Y N				
					Y N				
					Y N				
					Y N				
	METHOD III	PED TO EC	TIMATE VIELD	OF WATER READING CTRATA.	Y N OTAL ESTIMATED				
					VELL YIELD (gpm):				
	PUMP	A	IR LIFT	BAILER OTHER – SPECIFY:					
NO	WELL TEST			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER		_			
TEST; RIG SUPERVISION	MISCELLAN	EOUS INF	FORMATION:						
PER									
e su									
; RI									
FEST	PRINT NAM	E(S) OF D	RILL RIG SUPEF	RVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONST	RUCTION OTHER TH	IAN LICENSEE:			
5.7	Jose A Salas								
TURE	CORRECT R	ECORD O	F THE ABOVE I	FIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEI DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL REC 10 DAYS AFTER COMPLETION OF WELL DRILLING:					
6. SIGNATURE	120	1-1	Ju	Robert A Meyer	10/16/2024				
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE NAME	DATE				

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.		TRN NO.	
LOCATION		WELL	TAG ID NO.	PAGE 2 OF 2



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	ENERAL / WELL OWNERSHIP:	MM 2) /61 a # 1 lalua		
State	Engineer Well Number: POD_Unkown - (I owner: Plains All American Pipeline, L.P.	vivv-3) (file # Unkno	own)	(575) 200-5517
			Phone No.:	(575) 200-5517
Maılı City:	ng address: 1106 Griffith Dr. Midland	State:	Texas	Zip code: 79705
11. v 1)	VELL PLUGGING INFORMATION:  Name of well drilling company that plu	gged well: Talon	/LPE, Ltd.	
2)	New Mexico Well Driller License No.:			xpiration Date: 10/06/2024
3)	Well plugging activities were supervise Robert A Meyer and Jose A Salas II	d by the following	well driller(s)/rig supervi	sor(s):
4)	Date well plugging began: 09/12/202	<u>24                                    </u>	Date well plugging conclu	ded: 09/12/2024
5)	GPS Well Location: Latitude: Longitude: _	32 deg	46 min, 48.0 14 min, 17.0	0318 sec 1846 sec, WGS 84
6)	Depth of well confirmed at initiation of by the following manner: Down-Hole T	plugging as:	64 ft below ground le	vel (bgl),
7)	Static water level measured at initiation	of plugging:	N/A ft bgl	
8)	Date well plugging plan of operations v	vas approved by th	e State Engineer: 06/14/	2024
9)	Were all plugging activities consistent differences between the approved plugg			

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

## For each interval plugged, describe within the following columns:

	Plugging	Volume of	<u>Theoretical Volume</u>	Placement	
Depth (ft bgl)	Material Used (include any additives used)	Material Placed	of Borehole/ Casing	<u>Method</u>	Comments ("casing perforated first", "open
(ft bgl)	(include any additives used)	(gallons)	(gallons)	(tremie pipe,	("casing perforated first", "open
_				other)	annular space also plugged", etc.)
- 3	0' - 64' Bentonite Grout	~10.44	10.44	Tremie	Casing cut off below ground
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	]				I
		MULTIPLY	BY AND OBTAIN		
		cubic feet x 7.	4805 = gallons		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

#### III. SIGNATURE:

I, Robert A Meyer	, say	that I	am	familiar	with	the	rules	of t	he	Office	of the	State
Engineer pertaining to the plugging of wells and that	each a	nd all	of the	e stateme	nts in	this	Plugg	ing 1	Rec	ord and	d attach	ments
are true to the best of my knowledge and belief.												

Signature of Well Driller Date

Version: September 8, 2009



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

State	e Engineer Well Number: POD_Unkown -	(MW-5) (file # Unkr	nown)	
	l owner: Plains All American Pipeline, L.P		Phone No.	.: (575) 200-5517
Mail	ling address: 1106 Griffith Dr.			
City	Midland	State:	Texas	Zip code: <u>79705</u>
II. V	WELL PLUGGING INFORMATION:			
1)	Name of well drilling company that p	lugged well: Talor	n/LPE, Ltd.	
2)	New Mexico Well Driller License No			Expiration Date: 10/06/2024
3)	Well plugging activities were supervise Robert A Meyer and Jose A Salas II	sed by the following	g well driller(s)/rig superv	visor(s):
4)	Date well plugging began: 09/12/20	)24	Date well plugging concl	uded: 09/12/2024
5)	GPS Well Location: Latitude: _ Longitude:	32 deg	g, 46 min, 47 g, 14 min, 2	7.8992 sec 0.418 sec, WGS 84
6)	Depth of well confirmed at initiation of by the following manner: Down-Hole		ft below ground	level (bgl),
7)	Static water level measured at initiation	on of plugging:	N/A ft bgl	
8)	Date well plugging plan of operations	was approved by t	he State Engineer: 06/14	4/2024
9)	Were all plugging activities consisten differences between the approved plug			

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

## For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
= 9	0' - 64' Bentonite Grout	~41.78	41.78	Tremie	Casing cut off below ground surface
3					
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1					
-		MULTIPLY	BY AND OBTAIN		
		cubic feet x 7.	4805 = gallons		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

#### **III. SIGNATURE:**

I, Robert A Meyer		, say	that I am	familiar	with tl	he rules	of the	Office	of the	State
Engineer pertaining to the are true to the best of my k		at each a	nd all of th	e stateme	nts in tl	nis Plugg	ging Re	cord and	l attach	ments
,	8									

PS-PL	10/15/2024
Signature of Well Driller	- Date

Version: September 8, 2009



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	GENERAL / WELL OWNERSHIP:										
State	e Engineer Well Number: POD_Unkown - (MW	-6) (file # l	Jnknown)								
	ll owner: Plains All American Pipeline, L.P.			=	Phone	No.: (575	575) 200-5517				
Maili	iling address: 1106 Griffith Dr.										
City:	/: Midland	State:		Texas			Zip code: 79705				
II. V	WELL PLUGGING INFORMATION:										
1)	Name of well drilling company that plugge	ed well: T	alon/LPE	, Ltd.							
2)	New Mexico Well Driller License No.: W					Expira	tion Date: 10/06/2024				
3)	Well plugging activities were supervised be Robert A Meyer and Jose A Salas II	y the follo	wing well	driller(	s)/rig su	pervisor(s)	):				
4)	Date well plugging began: 09/12/2024		_ Date	well plu	gging co	oncluded:	09/12/2024				
5)	GPS Well Location: Latitude: Longitude:	32 -103	_deg, _deg,	46 14	_ min, _ min,	47.589 20.0898	_ sec _ sec, WGS 84				
6)	Depth of well confirmed at initiation of plu by the following manner: Down-Hole Tape	igging as:	66	ft bel	ow grou	and level (I	ogl),				
7)	Static water level measured at initiation of	plugging:	N/A	ft bgl	1						
8)	Date well plugging plan of operations was	approved	by the Sta	ite Engir	neer: _C	06/14/2024	<u>.                                    </u>				
9)	Were all plugging activities consistent with differences between the approved plugging										

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

## For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
7	0' - 66' Bentonite Grout	~43.08	43.08	Tremie	Casing cut off below ground
Ī					surface
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<u>u</u>					
		MULTIPLY cubic feet x 7.	BY AND OBTAIN 4805 = gallons		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

#### **III. SIGNATURE:**

I, Robert A Meyer	, say	that I	am	familiar	with	the	rules	of t	the	Office	of the	State
Engineer pertaining to the plugging of wells and that are true to the best of my knowledge and belief.	each a	nd all o	of the	e stateme	nts in	this	Plugg	ging	Rec	ord and	d attacl	ments

PAME	10/15/2024
Signature of Well Driller	Date

Version: September 8, 2009



# PLUGGING RECORD



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NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	GENERAL / WELL OWNERSHIP:									
State	e Engineer Well Number: POD_Unkown - (MW-9	9) (file # l	Jnknown)							
	Il owner: Plains All American Pipeline, L.P.			<u>-</u>	Phone	No.: (575	575) 200-5517			
Maili	ling address: 1106 Griffith Dr.									
City:	: Midland	_ State:	-	Texas			_ Zip code: _	79705		
II. V	WELL PLUGGING INFORMATION:									
1)	Name of well drilling company that plugged	well:	alon/LPE,	Ltd.						
2)	New Mexico Well Driller License No.: WE					Expira	tion Date: 10/	06/2024		
3)	Well plugging activities were supervised by Robert A Meyer and Jose A Salas II	the follo	wing well	driller(	(s)/rig su	pervisor(s)	):			
4)	Date well plugging began: 09/12/2024		_ Date	well plu	igging co	oncluded: _	09/12/2024			
5)	GPS Well Location: Latitude: Longitude:	32 -103	_deg, _deg,	46 14	min, min,	47.4204 21.015	_ sec _ sec, WGS 84			
6)	Depth of well confirmed at initiation of plug by the following manner: Down-Hole Tape	ging as:	64	ft be	low grou	and level (b	ogl),			
7)	Static water level measured at initiation of p	lugging:	N/A	ft bg	;1					
8)	Date well plugging plan of operations was a	pproved	by the Sta	te Engi	neer: C	6/14/2024	_			
9)	Were all plugging activities consistent with a differences between the approved plugging p									

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

## For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
=	0' - 64' Bentonite Grout	~41.78	41.78	Tremie	Casing cut off below ground
<u>.</u>					surface
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-		MULTIPLY	BY AND OBTAIN		
		cubic feet x 7.	4805 = gallons		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

## **III. SIGNATURE:**

I, Robert A Meyer	, say	that I	am	familiar	with	the	rules	of t	he	Office	of the	State
Engineer pertaining to the plugging of wells and that are true to the best of my knowledge and belief.	each a	nd all o	of the	e stateme	nts in	this	Plugg	ging	Rec	ord and	d attach	ments

Signature of Well Driller Date

Version: September 8, 2009



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP: State Engineer Well Number: POD\_Unkown - (MW-13) (file # Unknown) Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517 1106 Griffith Dr. Mailing address: City: Midland Texas \_ State: \_ II. WELL PLUGGING INFORMATION: Name of well drilling company that plugged well: Talon/LPE, Ltd. 1) Expiration Date: \_\_\_\_\_\_ New Mexico Well Driller License No.: WD-1868 2) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): 3) Robert A Meyer and Jose A Salas II Date well plugging began: \_09/12/2024 Date well plugging concluded: 09/12/2024 4) Latitude: deg, \_ 5) GPS Well Location: 15.5106 sec, WGS 84 Longitude: deg, min, Depth of well confirmed at initiation of plugging as: \_\_ ft below ground level (bgl), 6) by the following manner: Down-Hole Tape 7) Static water level measured at initiation of plugging: N/A ft bgl Date well plugging plan of operations was approved by the State Engineer: 06/14/2024 8) Were all plugging activities consistent with an approved plugging plan? Yes 9) If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009

Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

## For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 68' Bentonite Grout	~11.1	11.1	Tremie	Casing cut off below ground surface
		MULTIPLY	BY AND OBTAIN		

MULTIPLY BY AND OBTAIN cubic feet x 7.4805 = gallons cubic yards x 201.97 = gallons

#### **III. SIGNATURE:**

I, Robert A Meyer	, say	that I	am	familiar	with	the	rules	of the	e Office	of the	State
Engineer pertaining to the plugging of wells and that are true to the best of my knowledge and belief.	each a	and all o	f the	stateme	nts in	this	Plugg	ing Ro	ecord an	d attacl	ments
, .											

Signature of Well Driller Date

Version: September 8, 2009

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 497616

#### **CONDITIONS**

Operator:	OGRID:						
PLAINS MARKETING L.P.	34053						
333 Clay Street Suite 1900	Action Number:						
Houston, TX 77002	497616						
	Action Type:						
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)						

#### CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Continue to conduct groundwater monitoring on a quarterly schedule for the 2025 calendar year with analyses for BTEX and PAH, in wells that are able to be accessed for groundwater sampling.	9/18/2025
shanna.smith	Continue removal of PSH by monthly MDPE events.	9/18/2025
shanna.smith	Submit the 2025 annual groundwater report to OCD by April 1, 2026.	9/18/2025
shanna.smith	Continue to monitor decreasing ground water levels and replace monitor well/s, accordingly.	9/18/2025