talonlpe.com • 866.742.0742

TALON LPE

2025 Annual Groundwater Monitoring Report

C.S. Caylor
Lea County, New Mexico
SRS # 2002-10250
NMOCD REF. # AP-052, nAPP2109527803

Prepared For:
Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Talon/LPE, Ltd.
2901 State Highway 349
Midland, Texas 79706

March 18, 2026

2025 ANNUAL GROUNDWATER MONITORING REPORT

C.S. Caylor
Lea County, New Mexico
SRS # 2002-10250
NMOCD REF. # AP-052, nAPP2109527803

Plains Pipeline, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

Prepared By:

Rachel Goodwin
Environmental Project Manager

Project Manager:

STEPHANIE LARIOS

Stephanie Larios
Environmental Project Manager

Senior Project Manager:

Kevin Weichert
Senior Project Manager

Talon/LPE, Ltd.
2901 State Highway 349
Midland, Texas 79706

March 18, 2026

DISTRIBUTION LIST

Name	Title	Company or Agency	Mailing Address	E-mail
Ashley Maxwell	Senior Environmental Scientist	NMOCD	1000 Rio Brazos Road Aztec, New Mexico 87110	Ashley.Maxwell@emnrd.nm.gov
Mike Bratcher	Direct Supervisor	NMOCD District I & II	811 S. First Street Artesia, New Mexico 88210	mike.bratcher@state.nm.us
Karolanne Hudgens	HSE Remediation Specialist II	Plains Pipeline	1106 Griffith Drive Midland, Texas 79706	Karolanne.Hudgens@plains.com
Brian Payton	Regional Manager	Talon/LPE	2901 State Highway 349 Midland, Texas 79706	bpayton@talonlpe.com
Kevin Weichert	Senior Project Manager	Talon/LPE	2901 State Highway 349 Midland, Texas 79706	kweichert@talonlpe.com

NMOCD – New Mexico Oil Conservation Division

TABLE OF CONTENTS

APPENDICES

1. INTRODUCTION AND SITE HISTORY

C.S. Caylor (site) is located approximately seven (7) miles southeast of Lovington in Unit Letter B, Section 6, Township 17 South and Range 37 East in Lea County, New Mexico, on property owned by Robert C. Rice. The latitude and longitude for the site is 32.867769, -103.28804. There are no residences, groundwater supply wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from an EOTT Energy (EOTT) steel pipeline on September 19, 2002. 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 the release at 70 barrels (bbls) of crude oil with no recovery during initial response actions. During site reconnaissance, it was observed that the ground surface beyond the current spill area had apparently been impacted by a prior spill or spills; however, the source(s) and date(s) of the spill(s) are unknown.

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

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

The average elevation of the site area is approximately 3,810-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 Pipeline, L.P. to assume remediation activities at the site. Remediation activities at the site 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 consists of sand, clay, silt, and abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone, which has undergone calcification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as 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 Epoch.

1.2 Previous Environmental Investigations

A total of 39 groundwater monitor wells (21 original monitor wells and 18 replacement wells) have been installed in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor well MW-1 was installed in October 2002 and was subsequently plugged in September 2008 due to the well being dry. Groundwater monitor wells (MW-2 through MW-5) were installed from May to June 2004, and MW-6 through MW-10 were installed in October 2004. Groundwater monitor wells (MW-11 through MW-17) were installed in February 2006, and MW-18 was installed in March 2008. Replacement monitor well MW-1A was installed in September 2008.

During 2011, four (4) replacement monitor wells were drilled at the site (MW-2A, MW-7A, MW-8A, and MW-12A). Groundwater levels at the site have declined an average of 13.5 feet since groundwater measurements were first obtained in 2002. Groundwater had not been detected in monitor well MW-7 since the gauging event on September 21, 2010, or in monitor well MW-8 since the gauging event on June 10, 2009; therefore, monitor wells MW-7 and MW-8 were plugged, and replacement monitor wells MW-7A and MW-8A were installed on April 19 - 20, 2011.

During the gauging event on March 23, 2011, the total depth (TD) of monitor well MW-2 was 88 feet below top of casing (btoc), it contained approximately five (5) feet of phase-separated hydrocarbons (PSH), and groundwater was not detected. The TD of monitor well MW-12 was 90 feet btoc. Gauging indicated approximately five (5) feet of PSH, and groundwater at TD. Since the fluid column of the wells was inadequate to install pumps, replacement monitor wells MW-2A and MW-12A were drilled on April 28, 2011. MW-2 and MW-12 were not plugged.

During 2012, four (4) replacement monitor wells were drilled at the site (MW-9A, MW-10A, MW-13A, and MW-14A) due to declining groundwater levels. The previously existing wells (MW-9, MW-10, MW-13, and MW-14) were plugged.
During 2013, five (5) replacement monitor wells were drilled at the site (MW-3A, MW-4A, MW-6A, MW-11A, and MW-18A) due to declining groundwater levels. The previously existing wells (MW-3, MW-4, MW-6, MW-11, and MW-18) were plugged.

During 2016, four (4) replacement monitor wells (MW-5A, MW-15A, MW-16A, and MW-17A) were drilled. Three (3) additional wells (MW-19, MW-20, and MW-21) were also drilled due to declining groundwater levels, to aid in PSH recovery, and to delineate the dissolved phase plume. The groundwater monitoring wells MW-2, MW-5, MW-12, MW-15, MW-16, and MW-17 were plugged.

PSH recovery operations have been performed at the site since September 2002.

During 2025, the recovery system extracted 5.69 barrels (bbls) of PSH and 2,854 bbls of groundwater.

Additionally, four (4) mobile dual-phase extraction (MDPE) events were conducted at the site in March, August, September, and November 2025. An estimated total of 15.98 bbls of PSH were recovered during the MDPE events.

1.3 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards that were in effect at the time of the release, as applicable.

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

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2025. Analytical results for the four (4) sampling events are summarized in

Table 2, **Table 3**, and **Table 4** in Appendix B, and **Figures 3a** through **3d** in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C.

2. SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the site during the year 2025. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impact to the groundwater and determining if modifications to the remediation system would improve performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2025. The events occurred in: March, June, September, and December.

During the March 2025 groundwater monitoring event, 20 monitor wells were gauged. A total of 10 monitor wells (MW-6A, MW-10A, MW-11A, MW-13A through MW-18A, and MW-21) were purged and sampled. Due to the presence of PSH, one (1) monitor well (MW-5A) was not sampled. It was noted that six (6) monitor wells (MW-1A, MW-2A, MW-3A, MW-4A, MW-7A, and MW-8A) were dry when gauged, one (1) well (MW-9A) had insufficient water, and two (2) monitor wells (MW-12A and MW-19) were obstructed; therefore, the aforementioned wells were not purged or sampled. Monitor well MW-20 was not scheduled to be sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2

During the June 2025 groundwater monitoring event, 20 monitor wells were gauged. A total of eight (8) monitor wells (MW-6A, MW-10A, and MW-13A through MW-18A) were purged and sampled. No presence of PSH was observed in the wells that were scheduled to be gauged and accessible. It was noted that six (6) monitor wells (MW-1A, MW-2A, MW-3A, MW-4A, MW-7A, and MW-8A) were dry when gauged, three (3) monitor wells (MW-9A, MW-11A, and MW-21) had insufficient water, and three (3) monitor wells (MW-5A, MW-12A, and MW-19) were obstructed; therefore, the aforementioned wells were not purged or sampled. Monitor well MW-20 was not scheduled to be sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2025 groundwater monitoring event, 20 monitor wells were gauged. A total of eight (8) monitor wells (MW-6A, MW-10A, and MW-13A through MW-18A) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-5A, MW-12A, and MW-19) were not sampled. It was noted that six (6) monitor wells (MW-1A, MW-2A, MW-3A, MW-4A, MW-7A, and MW-8A) were dry when gauged and three (3) wells (MW-9A, MW-11A, and MW-21) had insufficient water; therefore,

the aforementioned wells were not purged or sampled. Monitor well MW-20 was not scheduled to be sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2025 groundwater monitoring event, 20 monitor wells were gauged. A total of nine (9) monitor wells (MW-6A, MW-10A, and MW-12A through MW-18A) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-5A and MW-19) were not sampled. It was noted that six (6) monitoring wells (MW-1A, MW-2A, MW-3A, MW-4A, MW-7A, and MW-8A) were dry when gauged and three (3) wells (MW-9A, MW-11A, and MW-21) had insufficient water; therefore, the aforementioned wells were not purged or sampled. Monitor well MW-20 was not scheduled to be sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all accessible monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulation, if present. The data collected from the measurements was used to construct groundwater gradient maps and PSH thickness maps. The gauging results collected during the four (4) events are incorporated in Table 1 - Groundwater Gauging and NAPL Thickness – Historical in Appendix B.

Subsequent to gauging, all monitor wells with sufficient water volume and that did not indicate the presence of PSH were purged using a 12-volt submersible pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was deposited into the onsite recovery tank. Between January and June 2022, water was transferred to the Rocky/Smith saltwater disposal (SWD) system. Since June 2022, water is transferred offsite by Gandy Marley to an NMOCD approved disposal facility, Gandy Marley, for disposal.

Groundwater samples were collected from all monitor wells that did not indicate the presence of PSH using dedicated disposable polyethylene bailers. The groundwater samples were contained in appropriately preserved, laboratory supplied sample vials. 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 testing. The groundwater samples collected during the four (4) events were quantified for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method SW-846

8021B. Groundwater samples collected from wells MW-6A, MW-10A, MW-11A, MW-13A, MW-14A, MW-17A, and MW-21 were also analyzed for polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270C in March 2025.

Groundwater samples collected from wells (MW-6A and MW-10A) were also analyzed for Monitored Natural Attenuation (MNA) parameters during the June and December events. The monitor wells sampled for MNA parameters were purged using low-flow groundwater sampling procedures. Field parameters for dissolved oxygen, oxidation-reduction potential, pH, temperature, and conductivity were collected every three (3) to five (5) minutes during purging activities. When three (3) consecutive, consistent readings were observed, a groundwater sample was taken from the pump's discharge tubing into appropriately preserved, laboratory supplied sample containers. The groundwater samples were maintained on ice in the custody of Talon/LPE until delivery to Permian Basin Environmental (PBE) in Midland, Texas for analysis of nitrate, sulfate, ferrous iron, manganese, alkalinity, and methane.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery methods have been employed at the site since 2002. Recovery was initially conducted by hand bailing, followed in March of 2003 with a portable gasoline powered eductor recovery system.

In November 2007, an automated skimmer recovery system was installed at the site. The skimmer assembly consisted of bladder pumps combined with 24" traveling float specific gravity skimmer attachments. In July of 2009, a pneumatic total fluids pump was added to monitor well MW-1A, and in January of 2010, two (2) pneumatic total fluids pumps were added to monitor wells MW-2 and MW-3.

During 2022, there were two (2) total fluid pumps operating in monitor wells MW-12A and MW-19 for all four (4) quarters. The PSH and recovered groundwater was pumped into a frac tank on site. A 5-HP pump transferred the fluids to the Rocky/Smith SWD system for disposal between January and June 2022. Since June 2022, water is transferred offsite by Gandy Corporation to the Gandy Corporation facility for disposal.

During 2023, there were two (2) total fluid pumps operating in monitor wells MW-12A and MW-19 for all the first, third, and fourth quarters of 2023. During the second quarter, only the total fluid pump in monitor well MW-12A was operational; the pump in MW-19 was obstructed and was subsequently removed and replaced. The recovered PSH and groundwater were pumped into an on-site frac tank. Recovered water was transported off-site by Gandy Corporation to the Gandy Corporation facility for disposal.

During 2025, there were three (3) total fluid pumps operating in monitor wells MW-5, MW-12A and MW-19 for all the four (4) quarters of 2025. The PSH and recovered groundwater was pumped into a frac tank on site and transported off site by Gandy Corporation to the Gandy Corporation facility for disposal.

During 2025 the quarterly PSH and groundwater recovery totals are as follows:

1st Quarter –	2.45	bbls PSH and	1,317.55	bbls of groundwater
2nd Quarter –	1.07	bbls PSH and	918.93	bbls of groundwater
3rd Quarter –	0.75	bbls PSH and	309.25	bbls of groundwater
4th Quarter –	1.42	bbls PSH and	308.58	bbls of groundwater

Four (4) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2025. The individual MDPE event recovery totals are as follows:

March 6, 2025	–	1.16	bbls vapor,	1.31	bbls liquid PSH
August 6, 2025	–	2.92	bbls vapor,	1.99	bbls liquid PSH
September 10, 2025	–	3.24	bbls vapor,	0.89	bbls liquid PSH
November 6, 2025	–	3.50	bbls vapor,	0.96	bbls liquid PSH

In 2025, an estimated total of 15.98 bbls of PSH were recovered during the MDPE events.

Approximately 2,641.48 bbls of PSH has been recovered at the subject site to date.

A copy of the *Mobile Dual Phase Extraction (MDPE) Report* for 2025 is provided in Appendix D.

3. GROUNDWATER MONITORING RESULTS

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

The results of the laboratory analyses are summarized in **Table 2** – Groundwater Analytical Data – Historical, **Table 3** – Groundwater Analytical Data – Historical – PAH Supplement, and **Table 4** - Groundwater Analytical Data – Historical – MNA Supplement in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

3.1 Physical Characteristics of the First Water-Bearing Zone

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

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

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site has historically ranged from 80 to 97 feet below ground surface, and the groundwater flow direction is to the southeast at an average of five (5) feet per mile. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

The composition of Ogallala groundwater is defined as mixed-cation-HCO3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total

dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2025. The results of the fluid level measurements are summarized in Table 1 - Groundwater Gauging and NAPL Thickness – Historical in Appendix B.

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

- March 24, 2025
- June 12, 2025
- September 10, 2025
- December 08, 2025

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 2025 and December 2025 was southeast with an average gradient of 0.0019 feet per foot (ft/ft).

3.3 Phase Separated Hydrocarbons

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

During the March 2025 sampling event, PSH was observed in one (1) monitor well (MW-5A). PSH thickness in this well was 1.77 feet.

During the June 2025 sampling event, no PSH was observed in any monitor well.

During the September 2025 sampling event, PSH was observed in three (3) monitor wells (MW-5A, MW-12A, and MW-19). PSH thickness in these wells ranged from 0.01 feet to 1.88 feet.

During the December 2025 sampling event, PSH was observed in two (2) monitor wells (MW-5A and MW-19). PSH thickness ranged from 0.54 feet to 1.14 feet

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

3.4 Groundwater Sampling Results

The groundwater analytical results for 2025 are summarized in **Table 2**, and the corresponding laboratory analytical reports are included in Appendix C. Groundwater concentration maps for 2025 are presented in **Figures 3a**, **3b**, **3c**, and **3d**. A summary of results is discussed below:

- Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in monitor well MW-6A in the June sampling event, and MW-12A during the December sampling event.
- No other analytes exceeded the NMWQCC groundwater standards in 2025.

Historical benzene concentrations in monitor wells MW-6A, MW-8A, MW-9A, MW-12A, and MW-20 were evaluated using the Mann-Kendall statistical method to determine whether long-term concentration trends indicate improving, worsening, or stable groundwater conditions. This analysis was conducted to support data-driven evaluation of plume behavior, assess the effectiveness of ongoing corrective actions, and identify any wells requiring additional attention due to potential increasing concentration trends. The data was analyzed using the GSI Environmental Inc. Mann-Kendall Toolkit software.

Based on the results of the analysis, benzene concentrations in wells MW-6A, MW-9A, and MW-20 exhibit decreasing trends, indicating improving conditions in these locations. MW-8A shows no statistically significant trend, suggesting concentrations fluctuate without a consistent directional pattern. MW-12A demonstrates a stable trend, with benzene concentrations remaining relatively consistent over time. These findings indicate that, overall, benzene impacts are either stable or declining across the evaluated wells. Results of the Mann-Kendall analysis are included in Appendix E.

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 southeast with an average gradient of 0.0019 feet per foot based on the water level measurement data collected in 2025.
- PSH thicknesses have generally decreased during the year 2025.
- The PSH recovery system and MDPE events removed a cumulative total of 21.67 bbls of crude oil from the site during 2025.
- The benzene concentrations in MW-6A during the June sampling event and MW-12A during the December event exceeded the NMWQCC groundwater standard of 0.010 mg/L.
- The Mann-Kendall analysis indicates that benzene concentrations at the site are stable and decreasing,

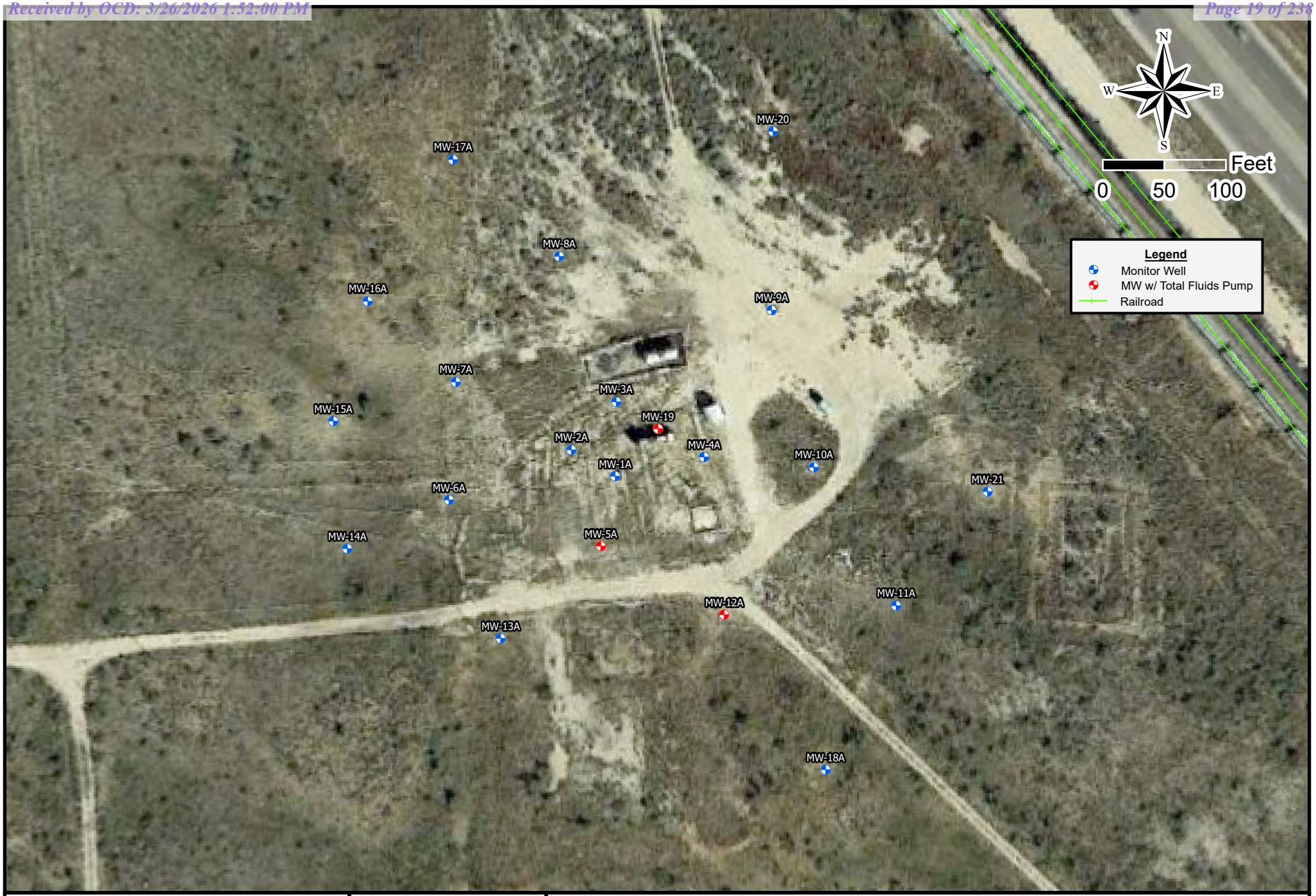
4.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions as outlined in the Stage 2 Abatement Plan for this site dated December 19, 2025:

- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.
- Continue operation and maintenance of the groundwater recovery system.
- Install nine (9) additional monitoring wells to compensate for the declining water levels.
- Monitor wells MW-1A, MW-2A, MW-3A, MW-4A, MW-5A, MW-7A, MW-8A, MW-9, and MW-12A will be decommissioned due to the declining water elevations at the site. In addition to these monitoring wells, one (1) additional well (MW-20) is scheduled for decommissioning in 2026.

APPENDIX A

Figures



TALON LPE

Date: 11/25/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 1 - Site Map

TALON LPE

Date: 5/28/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 2a - Groundwater Gradient Map (03/24/2025)

TALON LPE

Date: 8/13/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 2b - Groundwater Gradient Map (06/12/2025)

TALON LPE	Date: 11/25/2025 1 in = 100 ft Drafted By: JAI	C.S. Caylor SRS # 2002-10250, NMOCD REF. #nAPP2109527803 NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico 32.867769, -103.28804 Figure 2c - Groundwater Gradient Map (09/10/2025)

TALON LPE

Date: 2/17/2026
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 2d - Groundwater Gradient Map (12/08/2025)

TALON LPE

Date: 12/9/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 3a - PSH Thickness & Groundwater Concentration Map (03/24-25/2025)

TALON LPE

Date: 11/25/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 3b - PSH Thickness & Groundwater Concentration Map (06/17-18/2025)

TALON LPE

Date: 12/12/2025
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 3c - PSH Thickness & Groundwater Concentration Map (09/10-11/2025)

TALON LPE

Date: 2/17/2026
1 in = 100 ft
Drafted By: JAI

C.S. Caylor
SRS # 2002-10250, NMOCD REF. #nAPP2109527803
NW 1/4 of the NW 1/4, Sec. 6, T17S, R37E, Lea County, New Mexico
32.867769, -103.28804
Figure 3d - PSH Thickness & Groundwater Concentration Map (12/08-09/2025)

APPENDIX B

Tables

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A 4"	3810.14	76.2	96.2	03/21/2016	95.96	91.70	4.26	3,717.74
				06/16/2016	92.78	92.08	0.70	3,717.94
				09/13/2016	95.83	92.98	2.85	3,716.69
				11/29/2016	95.88	92.91	2.97	3,716.74
				03/13/2017	95.85	92.90	2.95	3,716.75
				06/07/2017	96.00	93.18	2.82	3,716.49
				09/18/2017	95.61	94.01	1.60	3,715.87
				12/13/2017	95.85	93.90	1.95	3,715.92
				03/23/2018	95.87	93.91	1.96	3,715.91
				06/13/2018	95.90	94.60	1.30	3,715.33
				09/25/2018	96.01	95.60	0.41	3,714.47
				12/12/2018	95.92	95.45	0.47	3,714.61
				03/21/2019	95.91	95.31	0.60	3,714.73
				06/13/2019	95.87	95.65	0.22	3,714.45
				09/18/2019	DR	-	-	-
				12/08/2019	DR	-	-	-
				03/11/2020	95.92	95.90	0.02	3,714.24
				05/01/2020	DR	-	-	-
				06/08/2020	98.36	96.48	1.88	3,713.35
				09/23/2020	DR	-	-	-
				12/10/2020	DR	-	-	-
				03/10/2021	DR	-	-	-
				06/11/2021	DR	-	-	-
				09/15/2021	DR	-	-	-
				12/13/2021	DR	-	-	-
				03/18/2022	DR	-	-	-
				06/20/2022	DR	-	-	-
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				3/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-
MW-2 4"	3807.38	68.1	88.1	06/16/2016	PA	-	-	-
MW-2A 4"	3810.14	79	109	03/21/2016	NL	-	-	-
				06/16/2016	NL	-	-	-
				09/13/2016	NL	-	-	-
				11/29/2016	98.81	92.77	6.04	3,716.37
				03/13/2017	98.75	92.77	5.98	3,716.38
				06/07/2017	DR	-	-	-
				09/18/2017	99.54	93.83	5.71	3,715.37
				12/13/2017	100.05	93.80	6.25	3,715.31
				03/23/2018	102.20	93.79	8.41	3,714.96
				06/13/2018	102.20	94.48	7.72	3,714.39
				09/25/2018	100.80	95.35	5.45	3,713.89
				12/12/2018	100.80	95.30	5.50	3,713.93
				03/21/2019	103.27	95.15	8.12	3,713.65
				06/13/2019	102.35	95.50	6.85	3,713.51
				09/18/2019	102.25	96.46	5.79	3,712.72
				12/08/2019	102.56	96.10	6.46	3,712.97
				03/11/2020	103.95	95.87	8.08	3,712.94
				05/01/2020	104.85	96.20	8.65	3,712.51
				06/08/2020	DR	-	-	-
				09/23/2020	104.00	97.50	6.50	3,711.57
				12/10/2020	102.75	97.74	5.01	3,711.57
				03/10/2021	101.91	98.68	3.23	3,710.93
				06/11/2021	101.91	98.17	3.74	3,711.35
				09/15/2021	102.30	98.90	3.40	3,710.68
				12/13/2021	DR	-	-	-
				03/18/2022	DR	-	-	-
				06/20/2022	DR	-	-	-
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				03/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-3A 4"	3810.47	83	113	03/21/2016	NL	-	-	-
				06/16/2016	93.85	93.38	0.47	3,717.01
				09/13/2016	95.07	94.18	0.89	3,716.14
				11/29/2016	94.20	-	-	3,716.27
				03/13/2017	94.31	94.25	0.06	3,716.21
				06/07/2017	94.90	94.56	0.34	3,715.85
				09/18/2017	95.58	95.42	0.16	3,715.02
				12/13/2017	95.45	93.80	1.65	3,716.40
				03/23/2018	95.68	95.22	0.46	3,715.17
				06/13/2018	96.35	96.00	0.35	3,714.41
				09/25/2018	97.36	97.02	0.34	3,713.39
				12/12/2018	97.30	96.70	0.60	3,713.67
				03/21/2019	97.14	96.31	0.83	3,714.02
				06/13/2019	97.92	96.91	1.01	3,713.39
				09/18/2019	98.57	97.74	0.83	3,712.59
				12/08/2019	98.75	97.20	1.55	3,713.01
				03/11/2020	97.12	96.83	0.29	3,713.59
				05/01/2020	98.80	97.30	1.50	3,712.92
				06/08/2020	98.45	97.20	1.25	3,713.06
				09/23/2020	99.50	98.05	1.45	3,712.18
				12/10/2020	99.49	98.25	1.24	3,712.02
				03/10/2021	99.35	98.11	1.24	3,712.16
				06/11/2021	99.52	98.62	0.90	3,711.70
				09/15/2021	99.52	99.33	0.19	3,711.11
				12/13/2021	DR	-	-	-
				03/18/2022	DR	-	-	-
				06/20/2022	DR	-	-	-
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				03/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-
MW-4A 4"	3810.45	75	105	03/21/2016	97.85	92.30	5.55	3,717.23
				06/16/2016	97.55	92.85	4.70	3,716.82
				09/13/2016	98.57	93.66	4.91	3,715.98
				11/29/2016	98.35	93.45	4.90	3,716.19
				03/13/2017	98.60	93.50	5.10	3,716.11
				06/07/2017	99.10	93.80	5.30	3,715.78
				09/18/2017	100.56	94.55	6.01	3,714.91
				12/13/2017	100.01	95.24	4.77	3,714.42
				03/23/2018	99.55	94.54	5.01	3,715.08
				06/13/2018	98.69	95.68	3.01	3,714.27
				09/25/2018	101.11	96.48	4.63	3,713.21
				12/12/2018	101.30	96.10	5.20	3,713.49
				03/21/2019	99.61	95.98	3.63	3,713.87
				06/13/2019	99.72	96.56	3.16	3,713.37
				09/18/2019	101.31	97.23	4.08	3,712.55
				12/08/2019	101.25	96.75	4.50	3,712.96
				03/11/2020	99.65	96.58	3.07	3,713.36
				05/01/2020	106.60	96.95	9.65	3,711.91
				06/08/2020	99.75	97.15	2.60	3,712.87
				09/23/2020	OB	-	-	-
				12/10/2020	OB	-	-	-
				03/10/2021	101.31	97.23	4.08	3,712.55
				06/11/2021	OBS	-	-	-
				09/15/2021	OBS	-	-	-
				09/29/2021	101.49	99.70	1.79	3,710.45
				12/13/2021	101.50	99.90	1.60	3,710.29
				03/18/2022	101.20	99.90	1.30	3,710.34
				06/20/2022	101.42	100.46	0.96	3,709.83
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				03/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-5 4"	3809.29	73.4	93.4	03/21/2016	93.05	90.85	2.20	3,718.08
				06/16/2016	PA	-	-	-
MW-5A 4"	3809.30	75	109	06/16/2016	92.58	92.50	0.08	3,716.79
				09/13/2016	98.33	92.32	6.01	3,715.99
				11/29/2016	96.89	92.36	4.53	3,716.19
				03/13/2017	97.96	92.23	5.73	3,716.12
				06/07/2017	98.10	92.56	5.54	3,715.83
				09/18/2017	99.72	93.33	6.39	3,714.92
				12/13/2017	98.80	93.30	5.50	3,715.09
				03/23/2018	99.02	93.26	5.76	3,715.09
				06/13/2018	100.25	93.95	6.30	3,714.31
				09/25/2018	101.70	94.28	7.42	3,713.80
				12/12/2018	101.15	94.70	6.45	3,713.54
				03/21/2019	99.66	94.51	5.15	3,713.94
				06/13/2019	98.95	94.94	4.01	3,713.70
				09/18/2019	101.86	96.00	5.86	3,712.33
				12/08/2019	100.20	95.67	4.53	3,712.88
				03/11/2020	99.35	95.25	4.10	3,713.37
				05/01/2020	101.40	95.85	5.55	3,712.53
				06/08/2020	101.10	96.15	4.95	3,712.33
				09/23/2020	97.00	96.90	0.10	3,712.38
				12/10/2020	104.02	97.36	6.66	3,710.84
				03/10/2021	102.97	97.32	5.65	3,711.05
				06/11/2021	98.46	98.40	0.06	3,710.89
				09/29/2021	99.40	99.39	0.01	3,709.91
				12/13/2021	103.78	98.72	5.06	3,709.75
				03/18/2022	101.60	99.25	2.35	3,709.66
				06/20/2022	103.78	99.33	4.45	3,709.24
				09/19/2022	102.14	101.12	1.02	3,708.01
				12/19/2022	102.96	100.87	2.09	3,708.09
				03/17/2023	101.82	101.10	0.72	3,708.08
				06/16/2023	101.81	101.80	0.01	3,707.50
				09/18/2023	103.04	102.63	0.41	3,706.60
				12/18/2023	102.95	102.80	0.15	3,706.48
				03/11/2024	102.52	102.45	0.07	3,706.84
				06/11/2024	103.74	102.82	0.92	3,706.33
				09/16/2024	103.95	103.65	0.30	3,705.60
				12/12/2024	103.43	103.42	0.01	3,705.88
				03/24/2025	105.28	103.51	1.77	3,705.50
				06/12/2025	OB	-	-	-
				09/10/2025	105.40	104.76	0.64	3,704.43
				12/08/2025	107.14	106.00	1.14	3,703.11
MW-6A 4"	3809.04	83	114	03/21/2016	92.61	-	-	3,716.43
				06/16/2016	93.04	-	-	3,716.00
				09/13/2016	93.88	-	-	3,715.16
				11/29/2016	93.72	-	-	3,715.32
				03/13/2017	93.46	-	-	3,715.58
				06/07/2017	94.12	-	-	3,714.92
				09/18/2017	94.99	-	-	3,714.05
				12/13/2017	94.87	-	-	3,714.17
				03/23/2018	94.85	-	-	3,714.19
				06/13/2018	95.55	-	-	3,713.49
				09/25/2018	96.56	-	-	3,712.48
				12/12/2018	96.56	-	-	3,712.48
				03/21/2019	96.05	-	-	3,712.99
				06/13/2019	96.60	-	-	3,712.44
				09/18/2019	97.52	-	-	3,711.52
				12/08/2019	97.05	-	-	3,711.99
				03/11/2020	96.53	-	-	3,712.51
				05/01/2020	97.20	-	-	3,711.84
				06/05/2020	97.60	-	-	3,711.44
				09/23/2020	98.80	-	-	3,710.24
				12/09/2020	98.85	-	-	3,710.19
				03/10/2021	98.80	-	-	3,710.24
				06/11/2021	99.31	-	-	3,709.73
				09/14/2021	99.94	-	-	3,709.10
				12/13/2021	100.25	-	-	3,708.79
				03/18/2022	100.20	-	-	3,708.84
				06/20/2022	100.81	-	-	3,708.23
				09/19/2022	101.75	-	-	3,707.29
				12/19/2022	101.77	-	-	3,707.27
				03/17/2023	101.80	-	-	3,707.24
				06/16/2023	102.25	-	-	3,706.79
				09/18/2023	103.14	-	-	3,705.90
				12/18/2023	103.37	-	-	3,705.67
				03/11/2024	103.03	-	-	3,706.01
				06/11/2024	103.48	-	-	3,705.56
				09/16/2024	104.19	-	-	3,704.85
				12/12/2024	104.15	-	-	3,704.89
				03/25/2025	104.33	-	-	3,704.71
				06/12/2025	104.68	-	-	3,704.36
				09/10/2025	105.43	-	-	3,703.61
				12/08/2025	105.60	-	-	3,703.44

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7A 4"	3810.63	71	101	03/21/2016	96.71	92.60	4.11	3,717.35
				06/16/2016	97.30	92.74	4.56	3,717.14
				09/13/2016	94.95	94.00	0.95	3,716.47
				11/29/2016	94.35	94.27	0.08	3,716.35
				03/13/2017	96.40	93.90	2.50	3,716.32
				06/07/2017	94.69	94.60	0.09	3,716.02
				09/18/2017	95.55	95.40	0.15	3,715.21
				12/13/2017	95.92	95.20	0.72	3,715.31
				03/23/2018	96.94	94.97	1.97	3,715.33
				06/13/2018	96.30	96.02	0.28	3,714.56
				09/24/2018	97.38	97.01	0.37	3,713.56
				12/12/2018	97.10	96.85	0.25	3,713.74
				03/21/2019	96.88	96.55	0.33	3,714.03
				06/13/2019	96.90	96.89	0.01	3,713.74
				09/18/2019	99.70	97.12	2.58	3,713.08
				12/08/2019	99.78	96.90	2.88	3,713.25
				03/11/2020	98.55	96.78	1.77	3,713.56
				05/01/2020	99.75	96.92	2.83	3,713.24
				06/05/2020	99.70	97.16	2.54	3,713.05
				09/23/2020	99.82	98.25	1.57	3,712.12
				12/09/2020	99.76	98.45	1.31	3,711.96
				03/10/2021	99.05	98.45	0.60	3,712.08
				06/11/2021	99.82	98.97	0.85	3,710.81
				09/15/2021	99.86	99.58	0.28	3,711.00
				12/13/2021	DR	-	-	-
				03/18/2022	DR	-	-	-
				06/20/2022	DR	-	-	-
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				03/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-
MW-8A 4"	3810.73	73	103	03/21/2016	93.26	-	-	3,717.47
				06/16/2016	93.55	-	-	3,717.18
				09/13/2016	94.35	-	-	3,716.38
				11/29/2016	94.27	-	-	3,716.46
				03/13/2017	94.02	-	-	3,716.71
				06/07/2017	94.67	-	-	3,716.06
				09/18/2017	95.45	-	-	3,715.28
				12/13/2017	95.40	-	-	3,715.33
				03/23/2018	95.38	-	-	3,715.35
				06/13/2018	96.06	-	-	3,714.67
				09/25/2018	97.05	-	-	3,713.68
				12/12/2018	96.91	-	-	3,713.82
				03/21/2019	96.65	-	-	3,714.08
				06/13/2019	97.12	-	-	3,713.61
				09/18/2019	97.96	-	-	3,712.77
				12/08/2019	97.60	-	-	3,713.13
				03/11/2020	97.15	-	-	3,713.58
				05/01/2020	97.72	-	-	3,713.01
				06/05/2020	98.11	-	-	3,712.62
				09/23/2020	99.00	-	-	3,711.73
				12/09/2020	99.34	-	-	3,711.39
				03/10/2021	99.33	-	-	3,711.40
				06/11/2021	99.82	-	-	3,710.91
				09/14/2021	100.38	-	-	3,710.35
				12/13/2021	100.75	-	-	3,709.98
				03/18/2022	100.73	-	-	3,710.00
				06/20/2022	101.29	-	-	3,709.44
				09/19/2022	DR	-	-	-
				12/19/2022	DR	-	-	-
				03/17/2023	DR	-	-	-
				06/16/2023	DR	-	-	-
				09/18/2023	DR	-	-	-
				12/18/2023	DR	-	-	-
				03/11/2024	DR	-	-	-
				06/11/2024	DR	-	-	-
				09/16/2024	DR	-	-	-
				12/12/2024	DR	-	-	-
				03/24/2025	DR	-	-	-
				06/12/2025	DR	-	-	-
				09/10/2025	DR	-	-	-
				12/08/2025	DR	-	-	-

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9A 2"	3810.73	77	107	03/21/2016	93.63	-	-	3,717.10
				06/16/2016	94.00	-	-	3,716.73
				09/13/2016	94.81	-	-	3,715.92
				11/29/2016	94.68	-	-	3,716.05
				03/13/2017	94.40	-	-	3,716.33
				06/07/2017	95.08	-	-	3,715.65
				09/18/2017	95.91	-	-	3,714.82
				12/13/2017	95.77	-	-	3,714.96
				03/23/2018	95.77	-	-	3,714.96
				06/13/2018	96.48	-	-	3,714.25
				09/25/2018	97.54	-	-	3,713.19
				12/12/2018	94.86	-	-	3,715.87
				03/21/2019	97.01	-	-	3,713.72
				06/13/2019	97.55	-	-	3,713.18
				09/18/2019	98.48	-	-	3,712.25
				12/08/2019	97.95	-	-	3,712.78
				03/11/2020	97.45	-	-	3,713.28
				05/01/2020	98.15	-	-	3,712.58
				06/05/2020	98.53	-	-	3,712.20
				09/23/2020	DR	-	-	-
				12/09/2020	99.84	-	-	3,710.89
				03/10/2021	99.73	-	-	3,711.00
				06/11/2021	100.23	-	-	3,710.50
				09/14/2021	100.86	-	-	3,709.87
				12/13/2021	101.22	-	-	3,709.51
				03/18/2022	101.15	-	-	3,709.58
				06/20/2022	101.76	-	-	3,708.97
				09/19/2022	102.70	-	-	3,708.03
				12/19/2022	102.85	-	-	3,707.88
				03/17/2023	102.71	-	-	3,708.02
				06/16/2023	103.20	-	-	3,707.53
				09/18/2023	104.10	-	-	3,706.63
				12/18/2023	104.32	-	-	3,706.41
				03/11/2024	103.95	-	-	3,706.78
				06/11/2024	104.44	-	-	3,706.29
				09/16/2024	105.12	-	-	3,705.61
				12/12/2024	105.06	-	-	3,705.67
				03/24/2025	105.28	-	-	3,705.45
				06/12/2025	105.63	-	-	3,705.10
				09/10/2025	106.33	-	-	3,704.40
				12/08/2025	106.54	-	-	3,704.19
MW-10A 2"	3810.41	84	114	03/21/2016	93.24	-	-	3,717.17
				06/16/2016	93.68	-	-	3,716.73
				09/13/2016	94.55	-	-	3,715.86
				11/29/2016	94.26	-	-	3,716.15
				03/13/2017	94.00	-	-	3,716.41
				06/07/2017	94.72	-	-	3,715.69
				09/18/2017	95.64	-	-	3,714.77
				12/13/2017	95.35	-	-	3,715.06
				03/23/2018	95.45	-	-	3,714.96
				06/13/2018	96.16	-	-	3,714.25
				09/25/2018	97.30	-	-	3,713.11
				12/12/2018	96.93	-	-	3,713.48
				03/21/2019	96.59	-	-	3,713.82
				06/13/2019	97.20	-	-	3,713.21
				09/18/2019	98.21	-	-	3,712.20
				12/08/2019	97.56	-	-	3,712.85
				03/11/2020	97.00	-	-	3,713.41
				05/01/2020	97.80	-	-	3,712.61
				06/05/2020	98.22	-	-	3,712.19
				09/23/2020	99.25	-	-	3,711.16
				12/09/2020	99.47	-	-	3,710.94
				03/10/2021	99.37	-	-	3,711.04
				06/11/2021	99.87	-	-	3,710.54
				09/14/2021	100.62	-	-	3,709.79
				12/13/2021	100.90	-	-	3,709.51
				03/18/2022	100.85	-	-	3,709.56
				06/20/2022	101.50	-	-	3,708.91
				09/19/2022	102.46	-	-	3,707.95
				12/19/2022	102.35	-	-	3,708.06
				03/17/2023	102.35	-	-	3,708.06
				06/16/2023	102.86	-	-	3,707.55
				09/18/2023	103.89	-	-	3,706.52
				12/18/2023	104.00	-	-	3,706.41
				03/11/2024	103.80	-	-	3,706.61
				06/11/2024	104.15	-	-	3,706.26
				09/16/2024	104.85	-	-	3,705.56
				12/12/2024	104.68	-	-	3,705.73
				03/24/2025	104.95	-	-	3,705.46
				06/12/2025	105.27	-	-	3,705.14
				09/10/2025	106.08	-	-	3,704.33
				12/08/2025	106.20	-	-	3,704.21

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11A 2"	3808.99	83	113	03/21/2016	91.93	-	-	3,717.06
				06/16/2016	92.45	-	-	3,716.54
				09/13/2016	93.35	-	-	3,715.64
				11/29/2016	93.03	-	-	3,715.96
				03/13/2017	92.71	-	-	3,716.28
				06/07/2017	93.49	-	-	3,715.50
				09/18/2017	94.49	-	-	3,714.50
				12/13/2017	94.12	-	-	3,714.87
				03/23/2018	94.21	-	-	3,714.78
				06/13/2018	94.96	-	-	3,714.03
				09/25/2018	96.91	-	-	3,712.08
				12/12/2018	95.03	-	-	3,713.96
				03/21/2019	95.27	-	-	3,713.72
				06/13/2019	96.00	-	-	3,712.99
				09/18/2019	97.05	-	-	3,711.94
				12/08/2019	96.27	-	-	3,712.72
				03/11/2020	95.68	-	-	3,713.31
				05/01/2020	96.55	-	-	3,712.44
				06/05/2020	96.97	-	-	3,712.02
				09/23/2020	98.15	-	-	3,710.84
				12/09/2020	98.27	-	-	3,710.72
				03/10/2021	98.13	-	-	3,710.86
				06/11/2021	98.62	-	-	3,710.37
				09/14/2021	99.46	-	-	3,709.53
				12/13/2021	99.72	-	-	3,709.27
				03/18/2022	99.60	-	-	3,709.39
				06/20/2022	100.33	-	-	3,708.66
				09/19/2022	101.36	-	-	3,707.63
				12/19/2022	101.13	-	-	3,707.86
				03/17/2023	101.18	-	-	3,707.81
				06/16/2023	101.64	-	-	3,707.35
				09/18/2023	102.78	-	-	3,706.21
				12/18/2023	102.81	-	-	3,706.18
				03/11/2024	102.35	-	-	3,706.64
				06/11/2024	103.00	-	-	3,705.99
				09/16/2024	103.78	-	-	3,705.21
				12/12/2024	103.40	-	-	3,705.59
				03/24/2025	103.72	-	-	3,705.27
				06/12/2025	104.08	-	-	3,704.91
				09/10/2025	104.93	-	-	3,704.06
				12/08/2025	104.67	-	-	3,704.32
MW-12 2"	3809.81	70.8	90.8	06/16/2016	PA	-	-	-
MW-12A 4"	3808.98	79	109	03/21/2016	91.90	-	-	3,717.08
				06/16/2016	92.02	-	-	3,716.96
				09/13/2016	93.25	-	-	3,715.73
				11/29/2016	92.98	-	-	3,716.00
				03/13/2017	92.70	-	-	3,716.28
				06/07/2017	93.40	-	-	3,715.58
				09/18/2017	94.38	-	-	3,714.60
				12/13/2017	94.09	-	-	3,714.89
				03/23/2018	94.50	-	-	3,714.48
				06/13/2018	94.85	-	-	3,714.13
				09/25/2018	96.09	-	-	3,712.89
				12/12/2018	95.61	-	-	3,713.37
				03/21/2019	95.25	-	-	3,713.73
				06/13/2019	95.94	-	-	3,713.04
				09/18/2019	96.99	96.95	0.04	3,712.02
				12/08/2019	96.55	96.20	0.35	3,712.72
				03/11/2020	96.10	95.80	0.30	3,713.13
				05/01/2020	97.22	96.35	0.87	3,712.49
				06/05/2020	97.80	96.75	1.05	3,712.06
				09/23/2020	99.40	97.80	1.60	3,710.92
				12/09/2020	99.90	97.91	1.99	3,710.74
				03/10/2021	100.13	97.70	2.43	3,710.88
				06/11/2021	98.82	98.54	0.28	3,710.39
				09/29/2021	99.40	99.39	0.01	3,709.59
				12/13/2021	99.63	99.62	0.01	3,709.36
				03/18/2022	99.50	-	-	3,709.48
				06/20/2022	100.26	100.25	0.01	3,708.73
				09/19/2022	101.21	101.20	0.01	3,707.78
				12/19/2022	101.05	101.04	0.01	3,707.94
				03/17/2023	101.05	101.04	0.01	3,707.94
				06/16/2023	101.56	-	-	3,707.42
				09/18/2023	102.63	102.62	0.01	3,706.36
				12/18/2023	102.71	102.70	0.01	3,706.28
				03/11/2024	102.30	102.29	0.01	3,706.69
				06/11/2024	102.88	102.87	0.01	3,706.11
				09/16/2024	OB	-	-	-
				12/12/2024	103.38	103.37	0.01	3,705.61
				03/24/2025	OB	-	-	-
				06/12/2025	OB	-	-	-
				09/10/2025	104.83	104.82	0.01	3,704.16
				12/08/2025	105.26	-	-	3,703.72

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13A 4"	3809.49	78	108	03/21/2016	92.28	-	-	3,717.21
				06/16/2016	92.72	-	-	3,716.77
				09/13/2016	93.60	-	-	3,715.89
				11/29/2016	93.37	-	-	3,716.12
				03/13/2017	93.07	-	-	3,716.42
				06/07/2017	93.76	-	-	3,715.73
				09/18/2017	94.68	-	-	3,714.81
				12/13/2017	94.48	-	-	3,715.01
				03/23/2018	94.50	-	-	3,714.99
				06/13/2018	95.20	-	-	3,714.29
				09/25/2018	96.38	-	-	3,713.11
				12/12/2018	96.00	-	-	3,713.49
				03/21/2019	95.62	-	-	3,713.87
				06/13/2019	96.27	-	-	3,713.22
				09/18/2019	97.26	-	-	3,712.23
				12/08/2019	96.68	-	-	3,712.81
				03/11/2020	96.13	-	-	3,713.36
				05/01/2020	96.87	-	-	3,712.62
				06/05/2020	97.27	-	-	3,712.22
				09/23/2020	98.35	-	-	3,711.14
				12/09/2020	98.56	-	-	3,710.93
				03/10/2021	98.46	-	-	3,711.03
				06/11/2021	98.95	-	-	3,710.54
				09/14/2021	99.66	-	-	3,709.83
				12/13/2021	99.95	-	-	3,709.54
				03/18/2022	99.87	-	-	3,709.62
				06/20/2022	100.53	-	-	3,708.96
				09/19/2022	101.54	-	-	3,707.95
				12/19/2022	101.40	-	-	3,708.09
				03/17/2023	101.43	-	-	3,708.06
				06/16/2023	101.93	-	-	3,707.56
				09/18/2023	102.92	-	-	3,706.57
				12/18/2023	103.09	-	-	3,706.40
				03/11/2024	102.68	-	-	3,706.81
				06/11/2024	103.20	-	-	3,706.29
				09/16/2024	103.92	-	-	3,705.57
				12/12/2024	103.80	-	-	3,705.69
				03/24/2025	104.03	-	-	3,705.46
				06/12/2025	104.37	-	-	3,705.12
				09/10/2025	105.15	-	-	3,704.34
				12/08/2025	105.30	-	-	3,704.19
MW-14A 2"	3809.93	84	114	03/21/2016	92.51	-	-	3,717.42
				06/16/2016	92.97	-	-	3,716.96
				09/13/2016	93.78	-	-	3,716.15
				11/29/2016	93.66	-	-	3,716.27
				03/13/2017	93.35	-	-	3,716.58
				06/07/2017	94.02	-	-	3,715.91
				09/18/2017	94.87	-	-	3,715.06
				12/13/2017	94.77	-	-	3,715.16
				03/23/2018	94.77	-	-	3,715.16
				06/13/2018	95.46	-	-	3,714.47
				09/25/2018	96.52	-	-	3,713.41
				12/12/2018	97.23	-	-	3,712.70
				03/21/2019	95.98	-	-	3,713.95
				06/13/2019	96.44	-	-	3,713.49
				09/18/2019	97.42	-	-	3,712.51
				12/08/2019	96.96	-	-	3,712.97
				03/11/2020	96.44	-	-	3,713.49
				05/01/2020	97.12	-	-	3,712.81
				06/05/2020	97.50	-	-	3,712.43
				09/23/2020	98.50	-	-	3,711.43
				12/09/2020	99.77	-	-	3,710.16
				03/10/2021	98.73	-	-	3,711.20
				06/11/2021	98.22	-	-	3,711.71
				09/14/2021	99.83	-	-	3,710.10
				12/13/2021	100.20	-	-	3,709.73
				03/18/2022	100.13	-	-	3,709.80
				06/20/2022	100.71	-	-	3,709.22
				09/19/2022	101.65	-	-	3,708.28
				12/19/2022	101.62	-	-	3,708.31
				03/17/2023	101.69	-	-	3,708.24
				06/16/2023	102.16	-	-	3,707.77
				09/18/2023	103.03	-	-	3,706.90
				12/18/2023	103.30	-	-	3,706.63
				03/11/2024	102.95	-	-	3,706.98
				06/11/2024	103.38	-	-	3,706.55
				09/16/2024	104.10	-	-	3,705.83
				12/12/2024	104.05	-	-	3,705.88
				03/24/2025	104.25	-	-	3,705.68
				06/12/2025	104.60	-	-	3,705.33
				09/10/2025	105.34	-	-	3,704.59
				12/08/2025	105.53	-	-	3,704.40

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-15 2"	3810.93	72.2	92.2	03/21/2016	DR	-	-	-
				06/16/2016	PA	-	-	-
MW-15A 2"	3810.76	75	120	07/12/2016	93.79	-	-	3,716.97
				09/13/2016	94.40	-	-	3,716.36
				11/29/2016	94.30	-	-	3,716.46
				03/13/2017	94.05	-	-	3,716.71
				06/07/2017	94.68	-	-	3,716.08
				09/18/2017	95.48	-	-	3,715.28
				12/13/2017	95.44	-	-	3,715.32
				03/23/2018	95.41	-	-	3,715.35
				06/13/2018	96.10	-	-	3,714.66
				09/25/2018	97.04	-	-	3,713.72
				12/12/2018	97.00	-	-	3,713.76
				03/21/2019	96.66	-	-	3,714.10
				06/13/2019	97.13	-	-	3,713.63
				09/18/2019	98.03	-	-	3,712.73
				12/08/2019	97.65	-	-	3,713.11
				03/11/2020	97.10	-	-	3,713.66
				05/01/2020	97.77	-	-	3,712.99
				06/05/2020	98.15	-	-	3,712.61
				09/23/2020	99.12	-	-	3,711.64
				12/09/2020	99.37	-	-	3,711.39
				03/10/2021	99.39	-	-	3,711.37
				06/11/2021	99.87	-	-	3,710.89
				09/14/2021	100.44	-	-	3,710.32
				12/13/2021	100.80	-	-	3,709.96
				03/18/2022	100.75	-	-	3,710.01
				06/20/2022	101.33	-	-	3,709.43
				09/19/2022	102.20	-	-	3,708.56
				12/19/2022	102.25	-	-	3,708.51
				03/17/2023	102.35	-	-	3,708.41
				06/16/2023	102.81	-	-	3,707.95
				09/18/2023	103.61	-	-	3,707.15
				12/18/2023	103.90	-	-	3,706.86
				03/11/2024	103.60	-	-	3,707.16
				06/11/2024	104.00	-	-	3,706.76
				09/16/2024	104.70	-	-	3,706.06
				12/12/2024	104.73	-	-	3,706.03
				03/24/2025	104.90	-	-	3,705.86
				06/12/2025	105.23	-	-	3,705.53
				09/10/2025	105.92	-	-	3,704.84
				12/08/2025	106.15	-	-	3,704.61
MW-16 2"	3812.23	71.2	91.2	03/21/2016	DR	-	-	-
				06/16/2016	PA	-	-	-
MW-16A 2"	3811.72	75	120	07/12/2016	94.61	-	-	3,717.11
				09/13/2016	95.22	-	-	3,716.50
				11/29/2016	95.20	-	-	3,716.52
				03/13/2017	94.93	-	-	3,716.79
				06/07/2017	95.54	-	-	3,716.18
				09/18/2017	96.30	-	-	3,715.42
				12/13/2017	96.31	-	-	3,715.41
				03/23/2018	96.27	-	-	3,715.45
				06/13/2018	96.96	-	-	3,714.76
				09/25/2018	97.88	-	-	3,713.84
				12/12/2018	97.80	-	-	3,713.92
				03/21/2019	97.54	-	-	3,714.18
				06/13/2019	97.97	-	-	3,713.75
				09/18/2019	98.85	-	-	3,712.87
				12/08/2019	98.50	-	-	3,713.22
				03/11/2020	98.60	-	-	3,713.12
				05/01/2020	98.83	-	-	3,712.89
				06/05/2020	98.97	-	-	3,712.75
				09/23/2020	99.83	-	-	3,711.89
				12/09/2020	100.18	-	-	3,711.54
				03/10/2021	100.22	-	-	3,711.50
				06/11/2021	100.70	-	-	3,711.02
				09/14/2021	101.25	-	-	3,710.47
				12/13/2021	101.62	-	-	3,710.10
				03/18/2022	101.60	-	-	3,710.12
				06/20/2022	102.15	-	-	3,709.57
				09/19/2022	103.03	-	-	3,708.69
				12/19/2022	103.06	-	-	3,708.66
				03/17/2023	103.17	-	-	3,708.55
				06/16/2023	103.85	-	-	3,707.87
				09/18/2023	104.40	-	-	3,707.32
				12/18/2023	104.73	-	-	3,706.99
				03/11/2024	104.43	-	-	3,707.29
				06/11/2024	104.80	-	-	3,706.92
				09/16/2024	105.50	-	-	3,706.22
				12/12/2024	105.58	-	-	3,706.14
				03/24/2025	105.72	-	-	3,706.00
				06/12/2025	106.05	-	-	3,705.67
				09/10/2025	106.71	-	-	3,705.01
				12/08/2025	106.68	-	-	3,705.04

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 2"	3810.57	71	92.7	03/21/2016	DR	-	-	-
				06/16/2016	PA	-	-	-
MW-17A 2"	3810.63	75	120	07/12/2016	93.40	-	-	3,717.23
				09/13/2016	94.00	-	-	3,716.63
				11/29/2016	94.32	-	-	3,716.31
				03/13/2017	93.76	-	-	3,716.87
				06/07/2017	93.33	-	-	3,717.30
				09/18/2017	95.08	-	-	3,715.55
				12/13/2017	95.01	-	-	3,715.62
				03/23/2018	95.04	-	-	3,715.59
				06/13/2018	95.71	-	-	3,714.92
				09/25/2018	96.68	-	-	3,713.95
				12/12/2018	96.66	-	-	3,713.97
				03/21/2019	96.39	-	-	3,714.24
				06/13/2019	96.77	-	-	3,713.86
				09/18/2019	97.62	-	-	3,713.01
				12/08/2019	97.31	-	-	3,713.32
				03/11/2020	96.85	-	-	3,713.78
				05/01/2020	97.41	-	-	3,713.22
				06/05/2020	97.75	-	-	3,712.88
				09/23/2020	98.60	-	-	3,712.03
				12/09/2020	98.96	-	-	3,711.67
				03/10/2021	99.01	-	-	3,711.62
				06/11/2021	99.48	-	-	3,711.15
				09/14/2021	100.02	-	-	3,710.61
				12/13/2021	100.41	-	-	3,710.22
				03/18/2022	100.40	-	-	3,710.23
				06/20/2022	100.94	-	-	3,709.69
				09/19/2022	101.78	-	-	3,708.85
				12/19/2022	101.85	-	-	3,708.78
				03/17/2023	101.99	-	-	3,708.64
				06/16/2023	102.44	-	-	3,708.19
				09/18/2023	103.15	-	-	3,707.48
				12/18/2023	103.50	-	-	3,707.13
				03/11/2024	103.21	-	-	3,707.42
				06/11/2024	103.56	-	-	3,707.07
				09/16/2024	104.25	-	-	3,706.38
				12/12/2024	104.35	-	-	3,706.28
				03/24/2025	104.51	-	-	3,706.12
				06/12/2025	104.85	-	-	3,705.78
				09/10/2025	105.44	-	-	3,705.19
				12/08/2025	105.75	-	-	3,704.88
MW-18A 2"	3809.46	84	114	03/21/2016	92.56	-	-	3,716.90
				06/16/2016	93.08	-	-	3,716.38
				09/13/2016	93.98	-	-	3,715.48
				11/29/2016	93.58	-	-	3,715.88
				03/13/2017	93.28	-	-	3,716.18
				06/07/2017	94.08	-	-	3,715.38
				09/18/2017	95.14	-	-	3,714.32
				12/13/2017	94.70	-	-	3,714.76
				03/23/2018	94.81	-	-	3,714.65
				06/13/2018	95.54	-	-	3,713.92
				09/25/2018	96.91	-	-	3,712.55
				12/12/2018	96.25	-	-	3,713.21
				03/21/2019	95.84	-	-	3,713.62
				06/13/2019	96.61	-	-	3,712.85
				09/18/2019	97.72	-	-	3,711.74
				12/08/2019	96.86	-	-	3,712.60
				03/11/2020	96.27	-	-	3,713.19
				05/01/2020	97.17	-	-	3,712.29
				06/05/2020	97.80	-	-	3,711.66
				09/23/2020	98.85	-	-	3,710.61
				12/09/2020	98.92	-	-	3,710.54
				03/10/2021	98.75	-	-	3,710.71
				06/11/2021	99.23	-	-	3,710.23
				09/14/2021	100.14	-	-	3,709.32
				12/13/2021	100.35	-	-	3,709.11
				03/18/2022	100.22	-	-	3,709.24
				06/20/2022	100.99	-	-	3,708.47
				09/19/2022	102.05	-	-	3,707.41
				12/19/2022	101.78	-	-	3,707.68
				03/17/2023	101.76	-	-	3,707.70
				06/16/2023	102.26	-	-	3,707.20
				09/18/2023	103.46	-	-	3,706.00
				12/18/2023	103.45	-	-	3,706.01
				03/11/2024	102.97	-	-	3,706.49
				06/11/2024	103.66	-	-	3,705.80
				09/16/2024	104.34	-	-	3,705.12
				12/12/2024	104.02	-	-	3,705.44
				03/24/2025	104.33	-	-	3,705.13
				06/12/2025	104.73	-	-	3,704.73
				09/10/2025	105.65	-	-	3,703.81
				12/08/2025	105.62	-	-	3,703.84

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-19 4"	3811.05	75	120	06/16/2016	94.18	-	-	3,716.87
				09/13/2016	99.15	94.23	4.92	3,716.01
				11/29/2016	97.58	94.31	3.27	3,716.20
				03/13/2017	99.20	94.05	5.15	3,716.15
				06/07/2017	97.61	94.76	2.85	3,715.82
				09/18/2017	101.00	95.11	5.89	3,714.97
				12/13/2017	99.30	95.24	4.06	3,715.14
				03/23/2018	98.08	95.49	2.59	3,715.13
				06/13/2018	100.97	95.96	5.01	3,714.26
				09/25/2018	100.01	97.31	2.70	3,713.29
				12/12/2018	98.90	97.30	1.60	3,713.49
				03/21/2019	100.81	96.43	4.38	3,713.90
				06/13/2019	101.23	96.99	4.24	3,713.36
				09/18/2019	102.49	97.92	4.57	3,712.38
				12/08/2019	101.33	97.48	3.85	3,712.93
				03/11/2020	100.75	97.05	3.70	3,713.39
				05/01/2020	102.53	97.45	5.08	3,712.76
				06/08/2020	101.70	98.05	3.65	3,712.40
				09/23/2020	104.75	98.75	6.00	3,711.31
				12/10/2020	103.50	99.32	4.18	3,711.04
				03/10/2021	105.58	98.97	6.61	3,710.99
				06/11/2021	105.47	99.29	6.18	3,710.74
				09/15/2021	111.10	100.08	11.02	3,709.15
				12/13/2021	107.02	100.36	6.66	3,709.59
				03/18/2022	106.35	100.40	5.95	3,709.67
				06/20/2022	107.50	100.90	6.60	3,709.06
				09/19/2022	108.05	101.41	6.64	3,708.54
				12/19/2022	107.50	101.98	5.52	3,708.16
				03/17/2023	107.29	102.00	5.29	3,708.18
				06/16/2023	OB	-	-	-
				09/18/2023	109.00	103.42	5.58	3,706.71
				12/18/2023	OB	-	-	-
				03/11/2024	OB	-	-	-
				06/11/2024	OB	-	-	-
				09/16/2024	OB	-	-	-
				12/12/2024	106.59	105.01	1.58	3,705.78
				03/24/2025	OB	-	-	-
				06/12/2025	OB	-	-	-
				09/10/2025	108.18	106.30	1.88	3,704.44
				12/08/2025	108.54	108.00	0.54	3,702.96
MW-20 2"	3810.00	75	114	07/12/2016	92.95	-	-	3,717.05
				09/13/2016	93.57	-	-	3,716.43
				11/29/2016	93.54	-	-	3,716.46
				03/13/2017	93.27	-	-	3,716.73
				06/07/2017	93.89	-	-	3,716.11
				09/18/2017	94.68	-	-	3,715.32
				12/13/2017	94.63	-	-	3,715.37
				03/23/2018	94.58	-	-	3,715.42
				06/13/2018	95.27	-	-	3,714.73
				09/25/2018	96.02	-	-	3,713.98
				12/12/2018	96.21	-	-	3,713.79
				03/21/2019	95.87	-	-	3,714.13
				06/13/2019	96.31	-	-	3,713.69
				09/18/2019	97.19	-	-	3,712.81
				12/08/2019	96.78	-	-	3,713.22
				03/11/2020	96.31	-	-	3,713.69
				05/01/2020	96.92	-	-	3,713.08
				06/05/2020	97.30	-	-	3,712.70
				09/23/2020	98.20	-	-	3,711.80
				12/09/2020	98.51	-	-	3,711.49
				03/10/2021	98.52	-	-	3,711.48
				06/11/2021	99.03	-	-	3,710.97
				09/14/2021	99.59	-	-	3,710.41
				12/13/2021	100.00	-	-	3,710.00

Table 1 - Groundwater Gauging and PSH Thickness - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-21 2"	3809.06	75	109	07/12/2016	92.65	-	-	3,716.41
				09/13/2016	93.25	-	-	3,715.81
				11/29/2016	93.00	-	-	3,716.06
				03/13/2017	92.68	-	-	3,716.38
				06/07/2017	93.45	-	-	3,715.61
				09/18/2017	94.41	-	-	3,714.65
				12/13/2017	94.06	-	-	3,715.00
				03/23/2018	94.15	-	-	3,714.91
				06/13/2018	94.87	-	-	3,714.19
				09/25/2018	95.94	-	-	3,713.12
				12/12/2018	95.60	-	-	3,713.46
				03/21/2019	95.27	-	-	3,713.79
				06/13/2019	95.91	-	-	3,713.15
				09/18/2019	96.97	-	-	3,712.09
				12/08/2019	96.23	-	-	3,712.83
				03/11/2020	95.66	-	-	3,713.40
				05/01/2020	96.50	-	-	3,712.56
				06/05/2020	96.93	-	-	3,712.13
				09/23/2020	98.05	-	-	3,711.01
				12/09/2020	98.21	-	-	3,710.85
				03/10/2021	98.18	-	-	3,710.88
				06/11/2021	98.61	-	-	3,710.45
				09/14/2021	99.36	-	-	3,709.70
				12/13/2021	99.65	-	-	3,709.41
				03/18/2022	99.57	-	-	3,709.49
				06/20/2022	100.25	-	-	3,708.81
				09/19/2022	101.24	-	-	3,707.82
				12/19/2022	101.08	-	-	3,707.98
				03/17/2023	101.11	-	-	3,707.95
				06/16/2023	101.60	-	-	3,707.46
				09/18/2023	102.68	-	-	3,706.38
				12/18/2023	102.73	-	-	3,706.33
				03/11/2024	102.30	-	-	3,706.76
				06/11/2024	102.90	-	-	3,706.16
				09/16/2024	103.60	-	-	3,705.46
				12/12/2024	103.36	-	-	3,705.70
				03/24/2025	103.67	-	-	3,705.39
				06/12/2025	104.00	-	-	3,705.06
				09/10/2025	104.83	-	-	3,704.23
				12/08/2025	105.98	-	-	3,703.08

Specific Gravity = 0.835

Notes:
DR = Well was 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
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-6A	03/22/2016	**0.0693**	0.00910	0.000400 J	0.00500	-
	06/16/2016	0.00130	<0.000621	<0.000763	<0.000256	-
	09/13/2016	0.00140	<0.000621	<0.000763	<0.000256	-
	11/29/2016	**0.0148**	<0.00100	<0.000657	<0.000642	-
	03/14/2017	**0.0241**	0.00205	<0.000657	<0.000630	0.0262
	06/07/2017	**0.652**	0.0551	0.0304	0.0354	0.773
	09/19/2017	**0.235 X**	0.0231	0.00911	0.00926	0.276
	12/19/2017	**0.0699**	0.00436	0.00227	0.00517	0.0817
	03/27/2018	<0.000408	0.000750 J	<0.000657	<0.000630	0.000750 J
	06/13/2018	**0.0329**	0.00300	0.00110	0.000800 J	0.0378
	09/28/2018	**0.0522**	0.00423	<0.000657	0.00201	0.0584
	12/12/2018	**0.163**	0.0139	0.0090	0.0147	0.201
	03/22/2019	**0.0748**	0.0113	0.00389	0.00551	0.0955
	06/18/2019	0.00490	<0.000512	<0.000616	<0.00027	0.00490
	09/19/2019	0.00329	<0.002	<0.002	<0.002	0.00329
	12/10/2019	0.000620	<0.000367	<0.000657	<0.000630	0.000620
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	0.00169 J	<0.000367	<0.000657	<0.000630	0.00169 J
	09/24/2020	0.00367	<0.000367	<0.000657	<0.000630	0.00367
	12/10/2020	0.00364	0.000880 J	<0.002000	0.000940 J	0.005460
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	**0.08408**	<0.00200	<0.00200	0.000702 J	0.00285 J
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/22/2022	<0.000408	<0.000367	<0.000657	0.000781 J	0.000781 J
	06/21/2022	0.00178 J	0.000492 J	<0.000657	<0.000642	0.00227 J
	09/23/2022	0.00243	<0.000367	<0.000657	<0.000642	0.00243 J
	12/27/2022	0.000741 J	<0.000367	<0.000657	<0.000642	0.000741 J
	03/22/2023	<0.000408	0.000622 J	<0.000657	<0.000642	<0.000657
	06/21/2023	<0.00500	<0.00500	<0.00500	<0.00500	-
	09/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000800
	12/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/13/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/13/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	**0.0538**	<0.00100	<0.00100	0.00131	0.0551
	12/13/2024	**0.0131**	<0.00100	<0.00100	<0.00100	0.0131
	03/25/2025	0.00368	<0.00100	<0.00100	<0.00100	0.00368
	06/18/2025	**0.0104**	<0.00100	<0.00100	<0.00100	0.0104
	09/11/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/09/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-8A	03/22/2016	**0.0799**	0.0304	0.00380	0.0138	-
	06/16/2016	0.00950	0.00210	<0.000763	0.00110	-
	09/13/2016	**0.0171**	0.00250	<0.000763	0.00140	-
	11/29/2016	**0.0190**	0.00464	<0.000657	<0.000642	-
	03/14/2017	**0.0220**	0.00785	0.00221	0.00462	0.0367
	06/07/2017	**0.0281**	0.00902	0.00165 J	0.00465	0.0434
	09/19/2017	**0.0398**	0.00721	0.000980 J	0.00324	0.0512
	12/19/2017	**0.0162**	0.00517	0.000690 J	0.00266	0.0247
	03/27/2018	0.00332	0.00187 J	<0.000657	0.000720 J	0.00591
	06/13/2018	0.00300	<0.000512	<0.000616	<0.000270	0.00300
	09/28/2018	**0.0363**	0.00535	<0.000657	0.00296	0.0446
	12/12/2018	**0.0135**	0.003	0.001 J	0.0022	0.0197
	03/23/2019	**0.0303**	0.00174	0.00229	0.00188	0.0362
	06/17/2019	**0.0259**	0.00410	<0.000616	0.00450	0.0345
	09/19/2019	**0.0519**	0.00919	<0.002	0.00491	0.0660
	12/10/2019	0.00226	0.000380	<0.000657	<0.000630	0.00264
	03/12/2020	0.00550	<0.000512	<0.000616	0.000900 J	0.00640
	06/08/2020	**0.0252**	0.00782	<0.000657	0.00550	0.0385
	09/23/2020	**0.0495**	0.0121	<0.000657	0.00754	0.0691
	12/10/2020	**0.0378**	0.00923	0.000890 J	0.00654	0.05446
	03/12/2021	**0.0943**	0.0341	0.00133 J	0.0603	0.190
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	**0.488 *1**	0.202	0.00982	0.198	0.975
	03/21/2022	**0.0817**	0.0235	0.00123 J	0.0683	0.175
	06/20/2022	NSF	NSF	NSF	NSF	NSF
	09/19/2022	DR	DR	DR	DR	DR
	12/19/2022	DR	DR	DR	DR	DR
	03/17/2023	DR	DR	DR	DR	DR
	06/16/2023	DR	DR	DR	DR	DR
	09/18/2023	DR	DR	DR	DR	DR
	12/18/2023	DR	DR	DR	DR	DR
	03/11/2024	DR	DR	DR	DR	DR
	06/11/2024	DR	DR	DR	DR	DR
	09/16/2024	DR	DR	DR	DR	DR
	12/12/2024	DR	DR	DR	DR	DR
	03/24/2025	DR	DR	DR	DR	DR
	06/12/2025	DR	DR	DR	DR	DR
	09/10/2025	DR	DR	DR	DR	DR
	12/08/2025	DR	DR	DR	DR	DR

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-9A	03/22/2016	**0.147**	0.000700 J	0.00590	0.00170	-
	06/16/2016	**0.0400**	<0.000621	0.00160	0.000300 J	-
	09/13/2016	**0.0382**	<0.00329	<0.00404	<0.00136	-
	11/29/2016	**0.106**	0.00332	0.00406	0.00244	-
	03/14/2017	**0.381**	<0.000367	0.0186	0.00401	0.404
	06/07/2017	**0.394**	0.00412	0.0123	0.00456	0.415
	09/19/2017	**0.253**	0.00110 J	0.00623	0.00164 J	0.262
	12/19/2017	**0.0404**	<0.000367	0.000800 J	0.00115 J	0.0424
	03/27/2018	**0.0168**	0.00117 J	<0.000657	<0.000630	0.0180
	06/13/2018	0.00710	<0.000512	<0.000616	<0.000270	0.00710
	09/28/2018	**0.0160**	<0.000367	<0.000657	<0.000630	0.0160
	12/12/2018	**0.0607**	<0.000512	0.0018	0.0005 J	0.0630
	03/23/2019	**0.0205**	<0.0005	<0.0005	<0.0005	0.0205
	06/18/2019	**0.0322**	<0.000512	0.00200	<0.00027	0.0342
	09/18/2019	**0.276**	<0.002	0.00849	<0.002	0.284
	12/10/2019	0.00517	0.000540	<0.000657	<0.000630	0.00571
	03/12/2020	0.00180	<0.000512	<0.000616	<0.000270	0.00180
	06/08/2020	0.000890 J	<0.000367	<0.000657	<0.000630	0.000890 J
	12/10/2020	0.00196 J	0.000610 J	<0.002000	<0.002000	0.002570
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	0.00747	0.00343	<0.00200	0.00430	0.0152
	03/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	0.000694 J	0.000461 J	<0.000657	<0.000642	0.00116 J
	09/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.000769 J	<0.000657	<0.000642	0.000769 J
	08/23/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000800
	09/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/18/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/16/2024	NSF	NSF	NSF	NSF	NSF
	12/12/2024	NSF	NSF	NSF	NSF	NSF
	03/24/2025	NSF	NSF	NSF	NSF	NSF
	06/12/2025	NSF	NSF	NSF	NSF	NSF
	09/10/2025	NSF	NSF	NSF	NSF	NSF
	12/08/2025	NSF	NSF	NSF	NSF	NSF
MW-10A	03/22/2016	**0.0227**	0.00650	<0.000238	0.00540	-
	06/16/2016	0.00160	<0.000621	<0.000763	<0.000256	-
	09/13/2016	0.00200	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	**0.0144**	0.00338	<0.000657	0.00373	0.0215
	06/07/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.000850 J	<0.000367	<0.000657	<0.000630	0.000850 J
	06/13/2018	**0.0129**	<0.000512	<0.000616	<0.000270	0.0129
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	0.0018	<0.000512	<0.000616	<0.00027	0.0018
	03/22/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/17/2019	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	09/18/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/11/2019	0.000550	<0.000367	<0.000657	<0.000630	0.000550
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/24/2020	0.00140 J	<0.000367	0.000730 J	0.000970 J	0.00310
	12/10/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.0020000
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	**0.0136**	0.000542 J	<0.00200	<0.00400	0.0141
	09/15/2021	0.00146 J	0.000720 J	<0.00200	0.000819 J	0.00300 J
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/20/2023	<0.000408	0.000371 J	<0.000657 *1	<0.000642 *1	<0.000657
	06/20/2023	<0.00500	<0.00500	<0.00500	<0.00500	-
	09/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/16/2024	0.00501	<0.00100	<0.00100	<0.00100	0.00501
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/25/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/18/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/11/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/09/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-11A	03/22/2016	0.000400 J	0.000500 J	<0.000238	0.000800 J	-
	06/16/2016	0.00200	<0.000621	<0.000763	<0.000256	-
	09/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	**0.0159**	0.00110 J	<0.000657	<0.000642	0.0170
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	0.00432	<0.000367	<0.000657	<0.000630	0.00432
	03/27/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	03/23/2019	**0.0156**	0.000860	0.00315	0.00101	0.0206
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/24/2020	0.00400	<0.000367	<0.000657	<0.000630	0.00400
	12/10/2020	0.00154 J	0.00107 J	0.000950 J	0.000880 J	0.004440
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/21/2022	0.00134 J	<0.000367	<0.000657	0.000759 J	0.00210 J
	06/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2023	<0.00500	<0.00500	<0.00500	<0.00500	-
	09/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/13/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/13/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/25/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/12/2025	NSF	NSF	NSF	NSF	NSF
	09/10/2025	NSF	NSF	NSF	NSF	NSF
	12/08/2025	NSF	NSF	NSF	NSF	NSF
MW-12A	03/22/2016	**4.46**	0.0159 J	0.195	0.233	-
	09/13/2016	**5.70**	<0.0329	0.208	0.179	-
	11/29/2016	**12.8**	<0.0500	0.539	0.327	-
	03/14/2017	**11.8**	<0.0367	0.539	<0.0630	12.3
	06/07/2017	**26.4**	<0.100	**0.985**	0.473	27.9
	09/19/2017	**16.2 D**	0.0427	0.597 D	0.253	17.1
	12/19/2017	**5.34 D**	0.0260	0.217	0.123	5.71
	03/27/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/13/2018	**6.35**	<0.0512	0.260	<0.0270	6.61
	09/28/2018	**19.7 D**	0.159	0.65 D	0.289	20.8
	12/12/2018	**12.2**	0.045 J	0.475	0.39	13.1
	03/22/2019	**23.5**	0.106	**1.22**	**1.09**	25.9
	06/17/2019	**19.2**	0.115	**0.815**	**0.715**	20.8
	03/21/2022	**1.67 B**	**5.63 B**	0.0986	0.136	7.53
	08/24/2023	**3.63**	0.00575	0.324	0.531	4.49
	03/11/2024	PSH	PSH	PSH	PSH	PSH
	06/11/2024	PSH	PSH	PSH	PSH	PSH
	09/16/2024	OB	OB	OB	OB	OB
	12/12/2024	PSH	PSH	PSH	PSH	PSH
	03/24/2025	OB	OB	OB	OB	OB
	06/12/2025	OB	OB	OB	OB	OB
	09/10/2025	PSH	PSH	PSH	PSH	PSH
	12/08/2025	**0.105**	<0.00100	0.00476	<0.00100	0.110

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-13A	03/22/2016	0.000700 J	<0.000238	<0.000238	<0.000243	-
	06/16/2016	0.00210	<0.000621	<0.000763	<0.000256	-
	09/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/13/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	0.0064	0.0006 J	<0.000616	<0.00027	0.007
	03/22/2019	**0.0294**	0.0109	0.00234	0.00791	0.0506
	06/18/2019	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/11/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	0.00225	0.00216	<0.000657	<0.000630	0.00441
	09/24/2020	0.00395	<0.000367	<0.000657	<0.000630	0.00395
	12/10/2020	0.00117 J	0.000740 J	0.000830 J	0.00180 J	0.004540
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.000951 J	<0.000657	<0.000642	0.000951 J
	08/24/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/14/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-14A	03/22/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	06/16/2016	0.00370	<0.000621	<0.000763	<0.000256	-
	09/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	0.000860 J	0.00127 J	<0.000657	0.00197 J	0.00410
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00166 J	<0.000367	<0.000657	<0.000630	0.00166 J
	06/13/2018	0.00120	<0.000512	<0.000616	<0.000270	0.00120
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	03/23/2019	**0.0169**	0.000560	0.00438	0.00562	0.0275
	06/17/2019	**0.0392**	0.00340	0.00150	<0.00027	0.0441
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/24/2020	0.00247	<0.000367	<0.000657	<0.000630	0.00247
	12/10/2020	0.00140 J	0.000680 J	<0.002000	0.000720 J	0.002800
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.00112 J	<0.000657	<0.000642	0.00112 J
	08/23/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000790
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/18/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/14/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-15A	07/12/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/13/2016	0.00130	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	0.000770 J	<0.00100	<0.000657	<0.000642	0.000770 J
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00253	0.000770 J	<0.000657	<0.000630	0.00330
	06/13/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	**0.264**	0.0081	0.0177	0.0114	0.301
	03/23/2019	**0.0223**	0.000600	0.00613	0.00246	0.0315
	06/18/2019	0.00450	<0.000512	<0.000616	<0.00027	0.00450
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/10/2019	0.000930	0.000380	<0.000657	<0.000630	0.00131
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/24/2020	0.00670	<0.000367	<0.000657	<0.000630	0.00670
	12/10/2020	0.00238	0.000550 J	0.00168 J	0.00226	0.006870
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.000880 J	<0.000657	<0.000642	0.000880 J
	08/23/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/14/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-16A	07/12/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	0.00319	<0.000367	<0.000657	<0.000630	0.00319
	06/07/2017	0.000840 J	<0.00100	<0.000657	<0.000642	0.000840 J
	09/19/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00182 J	0.000740 J	<0.000657	<0.000630	0.00256
	06/13/2018	0.00100 J	<0.000512	<0.000616	<0.000270	0.00100 J
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	**0.13**	0.0041	0.0111	0.0068	0.152
	03/23/2019	**0.0261**	0.00236	0.00578	0.00312	0.0374
	06/17/2019	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/10/2019	0.00227	<0.000367	<0.000657	<0.000630	0.00227
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/08/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/23/2020	0.00817	0.000990 J	<0.000657	<0.000630	0.00916
	12/10/2020	0.000990 J	<0.002000	<0.002000	0.000810 J	0.001800 J
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/22/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/27/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.000657 J	<0.000657	<0.000642	0.000657 J
	08/23/2023	0.00210	<0.00100	0.0226	0.0208	0.0455
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/18/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/14/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-17A	07/12/2016	0.000800 J	<0.000621	<0.000763	<0.000256	-
	09/13/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	0.00224	<0.000367	<0.000657	<0.000630	0.00224
	06/07/2017	0.000440 J	<0.00100	<0.000657	<0.000642	0.000440 J
	09/19/2017	0.00117 J	<0.00100	<0.000657	<0.000630	0.00117 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00185 JXF	0.000600 J	<0.000657	<0.000630	0.00245
	06/13/2018	0.00180	<0.000512	<0.000616	<0.000270	0.00180
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	03/23/2019	**0.0161**	0.000540	0.00388	0.00157	0.0221
	06/17/2019	<0.00048	0.00170	<0.000616	<0.00027	0.00170
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/10/2019	0.000680	0.000530	<0.000657	<0.000630	0.00121
	03/12/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/08/2020	0.00751	0.00342	<0.000657	0.00308	0.0140
	09/23/2020	0.00892	0.00149 J	<0.000657	<0.000630	0.0104
	12/11/2020	0.00245	<0.002000	0.00110 J	0.000950 J	0.004500
	03/12/2021	0.00119 J	<0.00200	<0.00200	<0.00400	0.00119 J
	06/14/2021	0.000820 J	<0.00200	<0.00200	<0.00400	0.000820 J
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/21/2022	<0.000408	0.000426 J	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/27/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.00103 J	<0.000657	<0.000642	0.00103 J
	08/23/2023	0.00499	<0.00100	0.0599	0.0534	0.118
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/18/2023	<0.00100	<0.00100	<0.00100	<0.00100	0.000730
	03/14/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-18A	03/22/2016	0.00150	<0.000238	<0.000238	<0.000243	-
	06/16/2016	0.00190	<0.000621	<0.000763	<0.000256	-
	09/13/2016	0.00120	<0.000621	<0.000763	<0.000256	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	0.00142 J	<0.00100	<0.000657	<0.000642	0.00142 J
	09/19/2017	0.00114 J	<0.00100	<0.000657	<0.000630	0.00114 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00171 J	<0.000367	<0.000657	<0.000630	0.00171 J
	06/13/2018	**0.0620**	0.00100 J	0.00540	0.00130	0.0697
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	03/23/2019	**0.0467**	0.00206	0.00615	0.00266	0.0576
	06/17/2019	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/11/2019	0.00116	0.000370	<0.000657	<0.000630	0.00153
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	0.000760 J	0.000980 J	<0.000657	0.00118 J	0.00292
	09/24/2020	0.00297	<0.000367	<0.000657	<0.000630	0.00297
	12/10/2020	0.00103 J	0.00134 J	0.000750 J	0.00219	0.005310
	03/12/2021	<0.00200	<0.00200 N1	<0.00200 N1	<0.00400	<0.00200
	06/14/2021	<0.00200	0.000405 J	<0.00200	0.00125 J	0.00166 J
	09/15/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/20/2022	<0.000408	0.000598 J	<0.000657	<0.000642	<0.000657
	09/20/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/22/2023	<0.000408	0.000761 J	<0.000657	<0.000642	0.000761 J
	08/24/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/20/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/18/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/17/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/24/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/17/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/08/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
C.S. Caylor
Lea County, NM
SRS#: 2002-10250

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC - Groundwater		0.010	0.750	0.750	0.620	-
MW-20	07/12/2016	**0.0364**	0.00851	0.000840 J	0.04491	-
	09/13/2016	**0.382**	0.0478	0.00590	0.00630	-
	11/29/2016	**0.244**	0.0262	0.00378	0.00620	-
	03/14/2017	**0.306**	0.0177	<0.000657	<0.000630	0.324
	06/07/2017	**0.0449**	0.00532	<0.000657	<0.000642	0.0502
	09/19/2017	**1.89 D**	0.221	0.0252	0.0223	2.16
	12/19/2017	**0.275**	0.00877	0.0163	0.00765	0.308
	03/27/2018	**0.0896**	0.00241	0.00594	0.00103 J	0.0990
	06/13/2018	**0.496**	<0.00256	0.00650	<0.00135	0.503
	09/28/2018	**0.0455**	<0.000367	0.00333	0.00277	0.0516
	12/12/2018	**0.155**	0.0032	0.0086	0.002	0.169
	03/23/2019	**0.0614**	<0.0005	0.00444	0.00106	0.0669
	06/18/2019	**0.0968**	0.00160	0.000900	<0.00027	0.0993
	09/19/2019	**0.353**	0.00435	0.0283	<0.002	0.386
	12/10/2019	**0.102**	0.000650	<0.000657	<0.000630	0.103
	03/12/2020	**0.0153**	<0.000512	<0.000616	<0.000270	0.0153
	06/08/2020	**0.0382**	0.00121 J	<0.000657	<0.000630	0.0394
	09/23/2020	**0.0627**	0.00198 J	0.00228	<0.000630	0.0670
	12/10/2020	**0.0556**	0.0139	0.00318	0.00428	0.07696
	03/12/2021	**0.00277**	<0.00200	<0.00200	<0.00400	0.00277
	09/15/2021	**0.0506**	<0.00200	<0.00200	<0.00400	0.0506
	12/14/2021	**0.0991 F1**	0.00104 J	<0.00200	0.000979 J	0.101
MW-21	07/12/2016	<0.340	<0.350	<0.260	<0.480	-
	09/13/2016	**0.136**	0.00890	0.0134	0.0168	-
	11/29/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/07/2017	0.00649	<0.00100	<0.000657	<0.000642	0.00649
	09/19/2017	0.00156 J	<0.00100	<0.000657	<0.000630	0.00156 J
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/27/2018	0.00138 J	<0.000367	<0.000657	<0.000630	0.00138 J
	06/13/2018	**0.0233**	<0.000512	0.00400	0.000800 J	0.0281
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/12/2018	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	03/22/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/17/2019	<0.00048	<0.000512	<0.000616	<0.00027	<0.00027
	09/19/2019	<0.002	<0.002	<0.002	<0.002	<0.002
	12/11/2019	0.000890	0.000500	<0.000657	<0.000630	0.00139
	03/13/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/09/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/24/2020	0.00347	<0.000367	<0.000657	<0.000630	0.00347
	12/10/2020	0.00112 J	0.000710 J	<0.002000	<0.00200	0.001830 J
	03/12/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/14/2021	<0.00200	0.000371 J	0.000906 J	0.00211 J	0.00339 J
	09/15/2021	0.000860 J	<0.00200	<0.00200	<0.00400	0.000860 J
	12/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/21/2022	<0.000408	<0.000367	<0.000657	0.000721 J	0.000721 J
	06/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/21/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/21/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/20/2023	<0.00500	<0.00500	<0.00500	<0.00500	-
	09/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/19/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/16/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/12/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	03/25/2025	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/12/2025	NSF	NSF	NSF	NSF	NSF
	09/10/2025	NSF	NSF	NSF	NSF	NSF
	12/08/2025	NSF	NSF	NSF	NSF	NSF

Notes:
PSH = Phase separated hydrocarbons
DR = Well was dry
NSF = Insufficient groundwater to sample
Lab Flags noted next to values. See lab report for description.

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standard - NMAC 20.6.2

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
C.S. Caylor
Lea County, New Mexico
SRS#: 2002-10250

Sample ID	Date Sampled	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene	Pyrene
NMWQCC - Groundwater		-	-	-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.03	0.001	0.001
MW-6A	11/29/2016	-	-	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250
	03/22/2022	-	-	<0.000101	<0.0000847	<0.0000905	<0.000135	<0.0000574	<0.0000704	<0.000114	<0.000117	<0.000157	<0.0000764	<0.000101	<0.000158	<0.000102	<0.0000918	<0.0000977	<0.0000855	<0.000131
	03/22/2023	-	-	<0.0000987	<0.0000831	<0.0000889	<0.000132	<0.0000564	<0.0000691	<0.000112	<0.0001150	<0.000154	<0.0000750	<0.0000987	<0.000155	<0.0000997	<0.0000902	<0.0000960	<0.0000839	<0.000128
	03/13/2024	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	03/25/2025	<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-9A	11/29/2016	-	-	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.000104	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250
	03/27/2018	-	-	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	0.000475	0.000168 J	<0.000108
	03/23/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/12/2020	<0.0000853	<0.0000979	<0.000107	<0.0000903	<0.0000929	<0.000144	<0.0000612	<0.0000762	<0.000121	<0.000125	<0.000167	<0.0000815	-	<0.000169	<0.000108	<0.0000979	<0.000104	<0.0000912	<0.000140
MW-10A	03/22/2022	-	-	<0.0000986	<0.0000830	<0.0000887	<0.000132	<0.0000563	<0.0000690	<0.000111	<0.000114	<0.000154	<0.0000749	<0.0000986	<0.000155	<0.0000996	<0.0000900	<0.0000958	<0.0000838	<0.000128
	03/20/2023	-	-	<0.000103	<0.0000867	<0.0000927	<0.000138	<0.0000588	<0.0000721	<0.000116	<0.000119	<0.000161	<0.0000783	<0.000103	<0.000162	<0.000104	<0.0000940	<0.000100	<0.0000875	<0.000134
	03/12/2024	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	03/25/2025	<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	03/22/2023	-	-	<0.0000980	<0.0000825	<0.0000882	<0.000131	<0.0000560	<0.0000686	<0.000111	<0.000114	<0.000153	<0.0000745	<0.0000980	<0.000154	<0.0000990	<0.0000895	<0.0000953	<0.0000833	<0.000127
	03/13/2024	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	03/25/2025	<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-12A	03/22/2016	0.00118	0.000520	<0.0000332	<0.0000581	<0.0000321	<0.0000721	<0.0000418	<0.0000710	<0.0000519	<0.0000561	<0.0000811	<0.0000562	0.000492	<0.0000638	<0.0000788	<0.0000537	0.00165	0.000335	<0.0000415
	11/29/2016	-	-	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.00233	<0.0000250	0.000921	<0.0000250	0.021 D	**0.00107**	<0.0000250
	03/21/2022	-	-	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	0.000467	<0.000155	<0.0000999	<0.0000903	0.00432	0.000225	<0.000129
MW-13A	03/21/2022	-	-	<0.0000896	<0.0000754	<0.0000806	<0.000120	<0.0000511	<0.0000627	<0.000101	<0.000104	<0.000140	<0.0000681	<0.0000896	<0.000141	<0.0000905	<0.0000818	<0.0000871	<0.0000761	<0.000116
	03/22/2023	-	-	<0.0000975	<0.0000821	<0.0000878	<0.000131	<0.0000557	<0.0000683	<0.000110	<0.000113	<0.000152	<0.0000741	<0.0000975	<0.000153	<0.0000985	<0.0000890	<0.0000948	<0.0000829	<0.000127
	03/14/2024	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
	03/24/2025	<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-14A	03/22/2022	-	-	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.000155	<0.0000999	<0.0000903	<0.0000962	<0.0000841	<0.000129
	03/22/2023	-	-	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.000155	<0.0000999	<0.0000903	<0.0000962	<0.0000841	<0.000129
	03/14/2024	<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	<0.00010
	03/24/2025	<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-15A	07/12/2016	0.000102 J	0.000182 J	<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
	03/27/2018	-	-	<0.000109	<0.000109	<0.000109	0.000229	0.000175 J	0.000213	0.000195	0.000146 J	0.000214	0.000143 J	<0.000109	0.000191	<0.000109	0.000155 J	<0.000109	<0.000109	0.000202
	03/23/2019	-	-	<0.0000042	<0.0000075	<0.0000077	<0.0000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	<0.0000054	<0.0000091	<0.0000056	<0.0000050	0.0000873	<0.0000056	<0.0000094
	03/13/2020	<0.0000793	<0.0000910	<0.0000996	<0.0000839	<0.0000863	<0.000134	<0.0000569	<0.0000708	<0.000113	<0.000116	<0.000156	<0.0000757	-	<0.000157	<0.000100	<0.000091	<0.0000969	<0.0000848	<0.000130
MW-16A	07/12/2016	<0.0000663	<0.0000516	<0.0000332	<0.0000581	<0.0000321	<0.0000721	<0.0000418	<0.0000710	<0.0000519	<0.0000561	<0.0000811	<0.0000562	<0.0000607	<0.0000638	<0.0000788	<0.0000537	<0.0000656	<0.0000516	<0.0000415
	03/27/2018	-	-	<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
	03/23/2019	-	-	<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	0.000276	<0.0000055	<0.0000092
	03/13/2020	<0.0000784	<0.0000900	<0.0000986	<0.0000830	<0.0000854	<0.000133	<0.0000563	<0.0000701	<0.000112	<0.000115	<0.000154	<0.0000749	-	<0.000155	<0.0000993	<0.0000900	<0.0000959	<0.0000838	<0.000128
MW-17A	07/12/2016	0.000144 J	0.000226	<0.0000330	<0.0000578	<0.0000319	<0.0000717	<0.0000416	<0.0000706	<0.0000516	<0.0000558	<0.0000807	<0.0000559	<0.0000604	<0.0000635	<0.0000784	<0.0000534	<0.0000653	<0.0000513	<0.0000413
	03/27/2018	-	-	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107	<0.000107
	03/23/2019	-	-	<0.0000040	<0.0000072	<0.0000075	<0.0000063	<0.0000095	<0.0000090	<0.0000079	<0.0000077	<0.0000087	<0.0000049	<0.0000052	<0.0000089	<0.0000054	<0.0000049	0.0000284	<0.0000055	<0.0000091
	03/21/2022	-	-	<0.0000987	<0.0000831	<0.0000889	0.000206	0.000302	0.000335	0.000629	0.000578	0.000421	<0.0000750	<0.0000987	<0.000155	<0.0000997	<0.0000902	0.000245 J	<0.0000839	<0.000128
	03/22/2023	-	-	<0.000101	<0.0000848	<0.0000907	<0.000135	<0.0000575	<0.0000705	<0.000114	<0.000117	<0.000157	<0.0000766	<0.000101	<0.000158	<0.000102	<0.0000920	<0.0000979	<0.0000856	<0.000131
	03/14/2024	<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	<0.00010
	03/24/2025	<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-18A	03/22/2016	<0.0000663	<0.0000516	<0.0000332	<0.0000581	<0.0000321	<0.0000721	<0.0000418	<0.0000710	<0.0000519	<0.0000561	<0.0000811	<0.0000562	0.000200	<0.0000638	<0.0000788	<0.0000537	<0.0000656	<0.0000516	<0.0000415
	03/27/2018	-	-	<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	0.000301	<0.000109
	03/23/2019	-	-	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.000308	0.0000268	<0.0000093
	03/13/2020	<0.0000821	<0.0000942	<0.000103	<0.0000869	<0.0000894	<0.000139	<0.0000589	<0.0000734	<0.000117	<0.000120	<0.000161	<0.0000785	-	<0.000162	<0.000104	<0.0000943	<0.0001000	<0.0000878	<0.000135
MW-20	07/12/2016	<0.00102	<0.00120	<0.000921	<0.000911	<0.000902	<0.000843	<0.00114	<0.00123	<0.00105	<0.000706	<0.000823	<0.00105	<0.000813	<0.000745	<0.000853	<0.00110	<0.000843	<0.000960	<0.000931
	03/27/2018	-	-	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108	<0.000108
	03/23/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
MW-21	07/12/2016	<0.00103	<0.00122	<0.000931	<0.000921	<0.000911	<0.000851	<0.00115	<0.00125	0.00134 J	<0.000713	<0.000832	<0.00106	<0.000822	<0.000752	<0.000861	<0.00111	<0.000851	<0.000970	<0.000940
	03/21/2022	-	-	<0.0000998	<0.0000840	<0.0000898	<0.000134	<0.0000570	<0.0000699	<0.000113	<0.000116	<0.000156	<0.0000759	<0.0000998	<0.000157	<0.000101	<0.0000911	<0.0000970	<0.0000848	<0.000130
	03/21/2023	-	-	<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
	03/12/2024	<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	<0.00010
	03/25/2025	<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

Notes:

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

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater Standard - NMAC 20.6.2

Table 4 - Groundwater Analytical Data - Historical - MNA Supplement
C.S. Caylor
Lea County, New Mexico
SRS#: 2002-10250

Sample ID	Date Sampled	Methane (mg/L)	Ferrous Iron (mg/L)	Manganese (mg/L)	Ethane (mg/L)	Ethene (mg/L)	Phenolphthalein Alkalinity (mg/L)	Bicarbonate Alkalinity (mg/L)	Hydroxide Alkalinity (mg/L)	Carbonate Alkalinity (mg/L)	Alkalinity (mg/L)	Sulfate (mg/L)	Nitrate as N (mg/L)
MW-6A	12/14/2021	<0.00500	<0.0500 HF	0.0122	-	-	<4.00	254	<4.00	<4.00	254	52.3	1.93
	03/22/2022	<0.000453	<0.0280 HF	0.0174	-	-	<4.00	303	<4.00	<4.00	303	53.5	1.86
	06/21/2022	0.00493 J	0.0400 J HF	0.0687 B	-	-	<4.00	337	<4.00	<4.00	337	47.7	1.60
	09/23/2022	0.000635 J	0.0300 J HF	0.00654	-	-	<4.00	318	<4.00	<4.00	318	44.6	1.45
	12/27/2022	0.000457 J	0.0800	0.0318	-	-	<4.00	354	<4.00	<4.00	354	50.0	1.77
	03/22/2023	<0.000453	0.110 HF	0.0154	-	-	<4.00	339	<4.00	<4.00	339	54.7	1.45 H
	06/21/2023	<0.500	<0.200	0.00650	<1.00	<1.00	-	<10.0	<10.0	<10.0	350	52.1	1.98
	09/19/2023	0.000875	3.58	0.0373	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	340	42.2	1.36
	12/20/2023	<0.00500	<0.200	<0.00500	<1.00	<1.00	-	<10.0	<10.0	<10.0	150	55.8	1.71
	03/13/2024	0.000634	0.258	0.0116	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	345	48.3	<0.200
	06/13/2024	0.00104	<0.200	0.00862	<0.00100	<0.00100	-	79.0	<10.0	<10.0	79.0	59.1	1.82
	09/17/2024	0.00296	<0.200	0.0152	<0.00100	<0.00100	-	314	<10.0	<10.0	314	51.5	2.46
	12/13/2024	0.00172	<0.200	0.00758	<0.00100	<0.00100	-	290	<10.0	<10.0	290	68.7	1.62
	06/18/2025	0.00153	<0.200	<0.00500	<0.00100	<0.00100	-	-	-	-	340	57.4	0.561
	12/09/2025	0.00309	<0.200	0.0205	<0.00100	<0.00100	-	-	-	-	350	59.2	1.36
MW-10A	12/14/2021	0.000796 J	<0.0500 HF	0.00665	-	-	<4.00	375	<4.00	<4.00	375	52.2	0.979
	03/22/2022	0.000627 J	0.0700	0.0186	-	-	<4.00	398	<4.00	<4.00	398	57.9	1.27
	06/20/2022	0.00107 J	0.0500	0.0180	-	-	<4.00	352	<4.00	<4.00	352	73.0	1.77
	09/20/2022	<0.000453	1.48	0.0294	-	-	<4.00	263	<4.00	<4.00	263	81.9	2.18
	12/20/2022	0.000658 J	1.87	0.111	-	-	<4.00	262	<4.00	<4.00	262	81.7	2.16
	03/20/2023	<0.000453	0.0700 HF	0.00803	-	-	<4.00	227	<4.00	<4.00	227	84.0	2.53 H
	06/20/2023	0.000679	0.369	0.0189	<0.00100	<0.00100	-	-	-	-	219	81.4	2.12
	09/19/2023	0.000956	1.15	0.0738	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	130	67.1	1.96
	12/19/2023	<0.00500	<0.200	0.0135	<1.00	<1.00	-	<10.0	<10.0	<10.0	1500	105	1.78
	03/12/2024	0.000620	0.305	0.0137	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	138	44.4	1.01
	06/12/2024	0.00107	0.576	0.0291	<0.00100	<0.00100	-	58.0	<10.0	<10.0	58.0	63.7	1.58
	09/16/2024	0.00106	<0.200	0.00534	<0.00100	<0.00100	-	286	<10.0	<10.0	286	41.2	2.23
	12/12/2024	0.000965	<0.200	0.0106	<0.00100	<0.00100	-	-	-	-	286	66.8	1.64
	06/18/2025	0.00131	<0.200	<0.00500	<0.00100	<0.00100	-	-	-	-	380	58.4	1.08
	12/09/2025	0.00162	<0.200	<0.00500	<0.00100	<0.00100	-	-	-	-	330	60.6	1.63
MW-11A	12/14/2021	<0.00500	<0.0500 HF	0.0168	-	-	<4.00	243	<4.00	<4.00	243	89.5	1.63
	06/20/2022	0.00162 J	0.0400 J HF	0.0235 B	-	-	<4.00	298	<4.00	<4.00	298	83.2	1.33
	09/20/2022	<0.000453	0.0600	0.00999	-	-	<4.00	273	<4.00	<4.00	273	85.7	1.17
	12/20/2022	<0.000453	0.400	0.0579	-	-	<4.00	289	<4.00	<4.00	289	80.1	1.27 H
	03/22/2023	<0.000453	0.750 HF	0.0459	-	-	<4.00	289	<4.00	<4.00	289	80.4	1.19 H
	09/19/2023	0.000706	0.270	0.00930	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	230	68.7	1.20
	12/19/2023	<0.00500	<0.200	0.0103	<1.00	<1.00	-	<10.0	<10.0	<10.0	160	74.2	1.55
	03/13/2024	<0.000500	<0.200	<0.00500	<0.00100	<0.000100	-	<10.0	<10.0	<10.0	225	53.1	<0.200
	06/13/2024	0.00125	0.488	0.0106	<0.00100	<0.00100	-	70.0	<10.0	<10.0	70.0	63.6	1.38
	09/17/2024	0.00149	<0.200	<0.00500	<0.00100	<0.00100	-	370	<10.0	<10.0	370	45.0	2.24
	12/12/2024	0.00141	<0.200	0.00667	<0.00100	<0.00100	-	-	-	-	344	80.2	2.10
MW-20	07/12/2016	-	-	0.312	-	-	-	159	<20.0	<20.0	159	55.5	1.55
MW-21	07/12/2016	-	-	0.039	-	-	-	206	<20.0	<20.0	206	109	2.39
	03/22/2022	<0.000453	0.0500	0.0839	-	-	<4.00	306	<4.00	<4.00	306	69.9	1.58 H
	06/20/2022	0.00190 J	0.0300 J HF	0.0892 B	-	-	<4.00	283	<4.00	<4.00	283	71.0	1.27
	09/20/2022	<0.000453	0.860	0.103	-	-	<4.00	277	<4.00	<4.00	277	68.7	1.52
	12/20/2022	<0.000454	2.87	0.207	-	-	<4.00	298	<4.00	<4.00	298	65.8	1.38 H
	03/21/2023	<0.000453	1.64 HF	0.211	-	-	<4.00	258	<4.00	<4.00	258	69.1	1.34
	06/20/2023	0.000838	<0.200	0.301	<0.00100	<0.00100	-	-	-	-	295	58.6	0.641
	09/19/2023	0.000704	<0.200	0.324	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	260	51.8	0.678
	12/19/2023	<0.00500	<0.200	0.519	<1.00	<1.00	-	<10.0	<10.0	<10.0	270	68.0	1.71
	03/12/2024	0.000748	<0.200	0.307	<0.00100	<0.00100	-	<10.0	<10.0	<10.0	345	114	1.54
	06/12/2024	0.000541	<0.200	0.342	<0.00100	<0.00100	-	65.0	<10.0	<10.0	65.0	63.0	1.37
	09/16/2024	0.00134	<0.200	0.267	<0.00100	<0.00100	-	298	<10.0	<10.0	298	42.4	1.98
	12/12/2024	0.00147	<0.200	0.261	<0.00100	<0.00100	-	-	-	-	303	63.4	1.32

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

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5C25018

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/14/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-16A	5C25018-01	Water	03/24/25 08:35	03-25-2025 13:07
MW-15A	5C25018-02	Water	03/24/25 09:04	03-25-2025 13:07
MW-18A	5C25018-03	Water	03/24/25 10:30	03-25-2025 13:07
MW-17A	5C25018-04	Water	03/24/25 08:10	03-25-2025 13:07
MW-14A	5C25018-05	Water	03/24/25 09:27	03-25-2025 13:07
MW-13A	5C25018-06	Water	03/24/25 10:03	03-25-2025 13:07
MW-6A	5C25018-07	Water	03/25/25 09:05	03-25-2025 13:07
MW-11A	5C25018-08	Water	03/25/25 08:21	03-25-2025 13:07
MW-21	5C25018-09	Water	03/25/25 07:44	03-25-2025 13:07
MW-10A	5C25018-10	Water	03/25/25 07:03	03-25-2025 13:07

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

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-16A

5C25018-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.4 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 12:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 12:26*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 12:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 12:26	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-15A

5C25018-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 12:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.6 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 12:48*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 12:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 12:48	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-18A

5C25018-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.8 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:11*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:11	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-17A

5C25018-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.4 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:33*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:33	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:01	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-14A

5C25018-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.9 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.3 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 13:55*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 13:55	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:20	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-13A

5C25018-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 14:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.3 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 14:18*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 14:18	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 18:39	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-6A

5C25018-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00368**	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.7 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 14:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.5 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 14:40*	*EPA 8021B*	
Total BTEX	**0.00368**	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 14:40	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	04/02/25 12:36	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-11A

5C25018-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.9 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.4 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:02*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:02	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:17	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-21

5C25018-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.7 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:25*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:25	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:36	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

MW-10A

5C25018-10 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5C2611	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*90.7 %*	*80-120*		*P5C2611*	*03/26/25 09:14*	*03/26/25 15:47*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/26/25 09:14	03/26/25 15:47	EPA 8021B	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
2-Methylnaphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Acenaphthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Acenaphthylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Benzo (a) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Benzo (a) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Chrysene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Fluoranthene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Fluorene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Naphthalene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Phenanthrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13
Pyrene	ND	0.00010	mg/L	1	P5D1015	03/30/25 15:40	03/31/25 19:55	8270C	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5C2611 - * DEFAULT PREP *** **										
Blank (P5C2611-BLK1)				Prepared & Analyzed: 03/26/25						
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	*0.115*		"	*0.120*		*95.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.4*	*80-120*			
LCS (P5C2611-BS1)				Prepared & Analyzed: 03/26/25						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.8*	*80-120*			
LCS Dup (P5C2611-BSD1)				Prepared & Analyzed: 03/26/25						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120	2.44	20	
Toluene	0.0997	0.00100	"	0.100		99.7	80-120	4.73	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120	5.48	20	
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120	3.81	20	
Xylene (o)	0.0966	0.00100	"	0.100		96.6	80-120	4.16	20	
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Calibration Blank (P5C2611-CCB1)				Prepared & Analyzed: 03/26/25						
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*		*97.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*89.5*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5C2611 - * DEFAULT PREP *** **										
Calibration Blank (P5C2611-CCB2)				Prepared & Analyzed: 03/26/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*95.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.0*	*80-120*			
Calibration Check (P5C2611-CCV1)				Prepared & Analyzed: 03/26/25						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		109	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.7*	*80-120*			
Calibration Check (P5C2611-CCV2)				Prepared & Analyzed: 03/26/25						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*80-120*			
Calibration Check (P5C2611-CCV3)				Prepared & Analyzed: 03/26/25						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5C2611 - * DEFAULT PREP *** **										
Matrix Spike (P5C2611-MS1)	**Source: 5C25018-01**			Prepared & Analyzed: 03/26/25						
Benzene	0.107	0.00100	mg/L	0.100	ND	107	80-120			
Toluene	0.106	0.00100	"	0.100	ND	106	80-120			
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200	ND	106	80-120			
Xylene (o)	0.102	0.00100	"	0.100	ND	102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Matrix Spike Dup (P5C2611-MSD1)	**Source: 5C25018-01**			Prepared & Analyzed: 03/26/25						
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120	3.71	20	
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	3.31	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	2.58	20	
Xylene (p/m)	0.207	0.00200	"	0.200	ND	103	80-120	2.71	20	
Xylene (o)	0.0976	0.00100	"	0.100	ND	97.6	80-120	3.99	20	
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 4/14/2025

Raland Tuttle, Laboratory Manager/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 5C25018

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005	TX 1006	Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	PAH	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-16A			3-24-25	8:35		3	3		3						GW				X			X
2	MW-15A			3-24-25	9:04		3	3		3						GW				X			X
3	MW-18A			3-24-25	10:30		3	3		3						GW				X			X
4	MW-17A			3-24-25	8:10		5	5		3				2		GW				X	X		X
5	MW-14A			3-24-25	9:27		5	5		3				2		GW				X	X		X
6	MW-13A			3-24-25	10:03		5	5		3				2		GW				X	X		X
7	MW-6A			3-25-25	9:05		5	5		3				2		GW				X	X		X
8	MW-11A			3-25-25	8:21		5	5		3				2		GW				X	X		X
9	MW-21			3-25-25	7:44		5	5		3				2		GW				X	X		X
10	MW-10A			3-25-25	7:03		5	5		3				2		GW				X	X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	3/25/25	13:07			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Maria Rodriguez	3/25/25	13:07

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 3.0 °C Thermometer: NCS3
Adjusted: °C Factor:

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

PBELAB

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 — **Project Name:** SUBCONTRACT

Company Name: PBEL — **Project #:**

Company Address: 1400 Rankin HWY — **Project Loc:**

City/State/Zip: Midland Texas 79701 — **PO #:**

Telephone No: 432-661-4184 — Fax No: — **Report Format:** X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A — e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	125 ml. amber boston rounds	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: 8270C PAH LL	24 HOUR RUSH	STANDARD
	5C25018-04			3/24/2025			2							X		W			X		X
	5C25018-05			3/24/2025			2							X		W			X		X
	5C25018-06			3/24/2025			2							X		W			X		X
	5C25018-07			3/24/2025			2							X		W			X		X
	5C25018-08			3/24/2025			2							X		W			X		X
	5C25018-09			3/24/2025			2							X		W			X		X
	5C25018-10			3/24/2025			2							X		W			X		X

Please add tressa@pbelab.com to woa's.

Relinquished by: Brent Barron	3/25/2025	17:00	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lone Star

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

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

April 03, 2025

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

Work Order: **HS25031316**

Laboratory Results for: **5C25018**

Dear Brent Barron,

ALS Environmental received 7 sample(s) on Mar 26, 2025 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
Jessica Monfore
Project manager

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Work Order: HS25031316

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25031316-01	5C25018-04	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-02	5C25018-05	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-03	5C25018-06	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-04	5C25018-07	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-05	5C25018-08	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-06	5C25018-09	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐
HS25031316-07	5C25018-10	Groundwater		24-Mar-2025 00:00	26-Mar-2025 09:25	☐

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 5C25018
Work Order: HS25031316

GCMS Semivolatiles by Method SW8270

Batch ID: 226064

Sample ID: 5C25018-10 (HS25031316-07)

- Surrogate recoveries were outside of the control limits due to matrix interference.

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-04
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-01
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 18:01
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:01
Surr: 2-Fluorobiphenyl	*47.2*		*40-125*	*%REC*	*1*	*31-Mar-2025 18:01*
Surr: 4-Terphenyl-d14	*60.2*		*40-135*	*%REC*	*1*	*31-Mar-2025 18:01*
Surr: Nitrobenzene-d5	*44.1*		*41-120*	*%REC*	*1*	*31-Mar-2025 18:01*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-05
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-02
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 18:20
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:20
Surr: 2-Fluorobiphenyl	*46.1*		*40-125*	*%REC*	*1*	*31-Mar-2025 18:20*
Surr: 4-Terphenyl-d14	*60.6*		*40-135*	*%REC*	*1*	*31-Mar-2025 18:20*
Surr: Nitrobenzene-d5	*42.3*		*41-120*	*%REC*	*1*	*31-Mar-2025 18:20*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-06
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-03
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 18:39
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 18:39
Surr: 2-Fluorobiphenyl	*52.0*		*40-125*	*%REC*	*1*	*31-Mar-2025 18:39*
Surr: 4-Terphenyl-d14	*62.1*		*40-135*	*%REC*	*1*	*31-Mar-2025 18:39*
Surr: Nitrobenzene-d5	*48.8*		*41-120*	*%REC*	*1*	*31-Mar-2025 18:39*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-07
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-04
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	02-Apr-2025 12:36
2-Methylnaphthalene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Acenaphthene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Acenaphthylene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Anthracene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Benz(a)anthracene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Benzo(a)pyrene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Benzo(b)fluoranthene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Benzo(k)fluoranthene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Chrysene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Fluoranthene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Fluorene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Naphthalene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Phenanthrene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Pyrene	ND		0.100	ug/L	1	02-Apr-2025 12:36
Surr: 2-Fluorobiphenyl	*51.1*		*40-125*	*%REC*	*1*	*02-Apr-2025 12:36*
Surr: 4-Terphenyl-d14	*65.3*		*40-135*	*%REC*	*1*	*02-Apr-2025 12:36*
Surr: Nitrobenzene-d5	*44.6*		*41-120*	*%REC*	*1*	*02-Apr-2025 12:36*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-08
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-05
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 19:17
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:17
Surr: 2-Fluorobiphenyl	*53.0*		*40-125*	*%REC*	*1*	*31-Mar-2025 19:17*
Surr: 4-Terphenyl-d14	*62.5*		*40-135*	*%REC*	*1*	*31-Mar-2025 19:17*
Surr: Nitrobenzene-d5	*47.1*		*41-120*	*%REC*	*1*	*31-Mar-2025 19:17*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-09
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-06
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D	**Method:SW8270**			Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 19:36
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:36
Surr: 2-Fluorobiphenyl	*44.4*		*40-125*	*%REC*	*1*	*31-Mar-2025 19:36*
Surr: 4-Terphenyl-d14	*68.2*		*40-135*	*%REC*	*1*	*31-Mar-2025 19:36*
Surr: Nitrobenzene-d5	*43.2*		*41-120*	*%REC*	*1*	*31-Mar-2025 19:36*

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

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
Sample ID: 5C25018-10
Collection Date: 24-Mar-2025 00:00

ANALYTICAL REPORT
WorkOrder:HS25031316
Lab ID:HS25031316-07
Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ULTRA LVI SEMIVOLATILES BY 8270D		**Method:SW8270**		Prep:SW3510 / 29-Mar-2025		Analyst: IT
1-Methylnaphthalene	ND	n	0.100	ug/L	1	31-Mar-2025 19:55
2-Methylnaphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Acenaphthene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Acenaphthylene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Benz(a)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Benzo(a)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Benzo(b)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Benzo(g,h,i)perylene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Benzo(k)fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Chrysene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Dibenz(a,h)anthracene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Fluoranthene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Fluorene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Indeno(1,2,3-cd)pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Naphthalene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Phenanthrene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Pyrene	ND		0.100	ug/L	1	31-Mar-2025 19:55
Surr: 2-Fluorobiphenyl	*42.0*		*40-125*	*%REC*	*1*	*31-Mar-2025 19:55*
Surr: 4-Terphenyl-d14	*55.8*		*40-135*	*%REC*	*1*	*31-Mar-2025 19:55*
Surr: Nitrobenzene-d5	*40.2*	*S*	*41-120*	*%REC*	*1*	*31-Mar-2025 19:55*

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

ALS Houston, US

Date: 03-Apr-25

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

Batch ID: 226064 **Start Date:** 29 Mar 2025 13:30 **End Date:** 29 Mar 2025 13:30
Method: SV AQ SEP FUNNEL ULTRA LVI **Prep Code:** 3510C_MIN_W

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25031316-01		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-02		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-03		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-04		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-05		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-06		100	1 (mL)	0.01	120 mL Amber Neat
HS25031316-07		100	1 (mL)	0.01	120 mL Amber Neat

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 226064 (0)	**Test Name :** ULTRA LVI SEMIVOLATILES BY 8270D				**Matrix:** Groundwater	
HS25031316-01	5C25018-04	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 18:01	1
HS25031316-02	5C25018-05	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 18:20	1
HS25031316-03	5C25018-06	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 18:39	1
HS25031316-04	5C25018-07	24 Mar 2025 00:00		29 Mar 2025 13:30	02 Apr 2025 12:36	1
HS25031316-05	5C25018-08	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 19:17	1
HS25031316-06	5C25018-09	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 19:36	1
HS25031316-07	5C25018-10	24 Mar 2025 00:00		29 Mar 2025 13:30	31 Mar 2025 19:55	1

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

QC BATCH REPORT

Batch ID: 226064 (0) **Instrument: SV-11** **Method: ULTRA LVI SEMIVOLATILES BY 8270D**

MBLK Sample ID: **MBLK-226064** Units: **ug/L** Analysis Date: **31-Mar-2025 15:30**
Client ID: Run ID: **SV-11_510100** SeqNo: **8759445** PrepDate: **29-Mar-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
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	*2.981*	*0*	*5*	*0*	*59.6*	*40 - 125*			
Surr: 4-Terphenyl-d14	*3.254*	*0*	*5*	*0*	*65.1*	*40 - 135*			
Surr: Nitrobenzene-d5	*2.997*	*0*	*5*	*0*	*59.9*	*41 - 120*			

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

QC BATCH REPORT

Batch ID: 226064 (0) **Instrument: SV-11** **Method: ULTRA LVI SEMIVOLATILES BY 8270D**

LCS Sample ID: **LCS-226064** Units: **ug/L** Analysis Date: **31-Mar-2025 15:49**
Client ID: Run ID: **SV-11_510100** SeqNo: **8759446** PrepDate: **29-Mar-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.073	0.100	5	0	61.5	45 - 120				
2-Methylnaphthalene	3.019	0.100	5	0	60.4	50 - 120				
Acenaphthene	3.145	0.100	5	0	62.9	47 - 145				
Acenaphthylene	3.051	0.100	5	0	61.0	47 - 120				
Anthracene	3.196	0.100	5	0	63.9	45 - 120				
Benz(a)anthracene	3.378	0.100	5	0	67.6	40 - 120				
Benzo(a)pyrene	3.467	0.100	5	0	69.3	42 - 127				
Benzo(b)fluoranthene	3.589	0.100	5	0	71.8	50 - 120				
Benzo(g,h,i)perylene	3.396	0.100	5	0	67.9	42 - 127				
Benzo(k)fluoranthene	3.493	0.100	5	0	69.9	50 - 120				
Chrysene	3.432	0.100	5	0	68.6	43 - 120				
Dibenz(a,h)anthracene	3.402	0.100	5	0	68.0	35 - 125				
Fluoranthene	3.306	0.100	5	0	66.1	45 - 125				
Fluorene	3.13	0.100	5	0	62.6	59 - 121				
Indeno(1,2,3-cd)pyrene	3.358	0.100	5	0	67.2	41 - 128				
Naphthalene	3.092	0.100	5	0	61.8	50 - 150				
Phenanthrene	3.222	0.100	5	0	64.4	54 - 120				
Pyrene	3.452	0.100	5	0	69.0	40 - 130				
Surr: 2-Fluorobiphenyl	*3.01*	*0*	*5*	*0*	*60.2*	*40 - 125*				
Surr: 4-Terphenyl-d14	*3.371*	*0*	*5*	*0*	*67.4*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.96*	*0*	*5*	*0*	*59.2*	*41 - 120*				

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

QC BATCH REPORT

Batch ID: 226064 (0) **Instrument: SV-11** **Method: ULTRA LVI SEMIVOLATILES BY 8270D**

LCSD Sample ID: **LCSD-226064** Units: **ug/L** Analysis Date: **31-Mar-2025 16:08**
Client ID: Run ID: **SV-11_510100** SeqNo: **8759468** PrepDate: **29-Mar-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.96	0.100	5	0	59.2	45 - 125	3.073	3.74	20	
2-Methylnaphthalene	2.809	0.100	5	0	56.2	50 - 120	3.019	7.21	20	
Acenaphthene	3.002	0.100	5	0	60.0	47 - 145	3.145	4.66	20	
Acenaphthylene	2.838	0.100	5	0	56.8	47 - 120	3.051	7.24	20	
Anthracene	3.108	0.100	5	0	62.2	45 - 120	3.196	2.81	20	
Benz(a)anthracene	3.608	0.100	5	0	72.2	40 - 120	3.378	6.58	20	
Benzo(a)pyrene	3.513	0.100	5	0	70.3	42 - 127	3.467	1.29	20	
Benzo(b)fluoranthene	3.755	0.100	5	0	75.1	50 - 120	3.589	4.52	20	
Benzo(g,h,i)perylene	3.445	0.100	5	0	68.9	42 - 127	3.396	1.42	20	
Benzo(k)fluoranthene	3.586	0.100	5	0	71.7	50 - 120	3.493	2.61	20	
Chrysene	3.647	0.100	5	0	72.9	43 - 120	3.432	6.07	20	
Dibenz(a,h)anthracene	3.706	0.100	5	0	74.1	35 - 125	3.402	8.53	20	
Fluoranthene	3.383	0.100	5	0	67.7	45 - 125	3.306	2.32	20	
Fluorene	2.962	0.100	5	0	59.2	59 - 121	3.13	5.51	20	
Indeno(1,2,3-cd)pyrene	3.383	0.100	5	0	67.7	41 - 128	3.358	0.76	20	
Naphthalene	2.946	0.100	5	0	58.9	50 - 150	3.092	4.83	20	
Phenanthrene	3.186	0.100	5	0	63.7	54 - 120	3.222	1.13	20	
Pyrene	3.593	0.100	5	0	71.9	40 - 130	3.452	3.99	20	
Surr: 2-Fluorobiphenyl	*3.081*	*0*	*5*	*0*	*61.6*	*40 - 125*	*3.01*	*2.33*	*20*	
Surr: 4-Terphenyl-d14	*3.647*	*0*	*5*	*0*	*72.9*	*40 - 135*	*3.371*	*7.87*	*20*	
Surr: Nitrobenzene-d5	*3.048*	*0*	*5*	*0*	*61.0*	*41 - 120*	*2.96*	*2.91*	*20*	

The following samples were analyzed in this batch: HS25031316-01 HS25031316-02 HS25031316-03 HS25031316-04 HS25031316-05 HS25031316-06 HS25031316-07

ALS Houston, US Date: 03-Apr-25

Client: Permian Basin Environmental Lab, LP
Project: 5C25018
WorkOrder: HS25031316

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	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
O	Sample amount is > 4 times amount spiked
P	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
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

ALS Houston, US Date: 03-Apr-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 03-Apr-25

Sample Receipt Checklist

Work Order ID: HS25031316 **Date/Time Received:** 26-Mar-2025 09:25

Client Name: Permian Basin Lab **Received by:** Paresh M. Giga

Completed By:	/S/ Michael Lucio	28-Mar-2025 12:29	**Reviewed by:**	/S/ Jessica Monfore	31-Mar-2025 05:55
	eSignature	Date/Time		eSignature	Date/Time

Matrices: w Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☐	No ☑	
Samplers name present on COC?	Yes ☐	No ☑	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.8uc/1.8c	IR36
Cooler(s)/Kit(s):	blue	
Date/Time sample(s) sent to storage:	03/28/2025 3/28/2025 1234	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab
1400 Rankin HWY
Midland, Texas 79701

HS25031316
Permian Basin Environmental Lab, LP
5C25018

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:

Preservation & # of Containers / Matrix / Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	125 ml. amber boston rounds	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	8270C PAH LL	24 HOUR RUSH	STANDARD
	5C25018-04			3/24/2025			2							X			W		X		X
	5C25018-05			3/24/2025			2							X			W		X		X
	5C25018-06			3/24/2025			2							X			W		X		X
	5C25018-07			3/24/2025			2							X			W		X		X
	5C25018-08			3/24/2025			2							X			W		X		X
	5C25018-09			3/24/2025			2							X			W		X		X
	5C25018-10			3/24/2025			2							X			W		X		X

Please add tressa@pbelab.com to woa's.

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	3/25/2025	17:00		3/26/25	08:25
	Date	Time		Date	Time
ucc Bise 1.8° #34 CF 0-0	Date	Time		Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		
Temperature Upon Receipt:		
Received: °C		
Adjusted: °C Factor		

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

PBELAB

Analytical Report

Prepared for:

Brian Payton

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5F18013

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/24/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17A	5F18013-01	Water	06/17/25 08:19	06-18-2025 12:15
MW-16A	5F18013-02	Water	06/17/25 08:38	06-18-2025 12:15
MW-15A	5F18013-03	Water	06/17/25 08:57	06-18-2025 12:15
MW-14A	5F18013-04	Water	06/17/25 09:18	06-18-2025 12:15
MW-13A	5F18013-05	Water	06/17/25 07:32	06-18-2025 12:15
MW-18A	5F18013-06	Water	06/17/25 07:57	06-18-2025 12:15
MW-6A	5F18013-07	Water	06/18/25 08:40	06-18-2025 12:15
MW-10A	5F18013-08	Water	06/18/25 07:03	06-18-2025 12:15

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-17A

5F18013-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.3 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 19:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.8 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 19:44*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 19:44	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 19:44	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-16A

5F18013-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.1 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.4 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:07*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:07	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:07	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-15A

5F18013-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:29*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:29	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:29	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-14A

5F18013-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1907	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.8 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.7 %*	*80-120*		*P5F1907*	*06/19/25 09:15*	*06/19/25 20:51*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:51	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:15	06/19/25 20:51	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-13A

5F18013-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1908	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/19/25 23:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.2 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/19/25 23:47*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/19/25 23:47	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/19/25 23:47	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-18A

5F18013-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:09*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:09	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:09	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-6A

5F18013-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0104**	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.0 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:31*	*EPA 8021B*	
Total BTEX	**0.0104**	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:31	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:31	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-10A

5F18013-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5F1908	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.9 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.8 %*	*80-120*		*P5F1908*	*06/19/25 09:22*	*06/20/25 00:53*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/19/25 09:22	06/20/25 00:53	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1907 - * DEFAULT PREP *** **										
Blank (P5F1907-BLK1)				Prepared & Analyzed: 06/19/25						
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	*0.112*		"	*0.120*		*93.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.4*	*80-120*			
LCS (P5F1907-BS1)				Prepared & Analyzed: 06/19/25						
Benzene	0.0989	0.00100	mg/L	0.100		98.9	80-120			
Toluene	0.0959	0.00100	"	0.100		95.9	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.9	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
LCS Dup (P5F1907-BSD1)				Prepared & Analyzed: 06/19/25						
Benzene	0.0962	0.00100	mg/L	0.100		96.2	80-120	2.70	20	
Toluene	0.0930	0.00100	"	0.100		93.0	80-120	3.11	20	
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	80-120	3.46	20	
Xylene (p/m)	0.190	0.00200	"	0.200		95.1	80-120	2.86	20	
Xylene (o)	0.0906	0.00100	"	0.100		90.6	80-120	2.59	20	
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.4*	*80-120*			
Calibration Blank (P5F1907-CCB1)				Prepared & Analyzed: 06/19/25						
Benzene	0.110		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.0900		"							
Xylene (p/m)	0.110		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.6*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1907 - * DEFAULT PREP *** **										
Calibration Blank (P5F1907-CCB2)				Prepared & Analyzed: 06/19/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*92.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.0*	*80-120*			
Calibration Check (P5F1907-CCV1)				Prepared & Analyzed: 06/19/25						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0997	0.00100	"	0.100		99.7	80-120			
Ethylbenzene	0.0961	0.00100	"	0.100		96.1	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Calibration Check (P5F1907-CCV2)				Prepared & Analyzed: 06/19/25						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0985	0.00100	"	0.100		98.5	80-120			
Ethylbenzene	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.3	80-120			
Xylene (o)	0.0944	0.00100	"	0.100		94.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.4*	*80-120*			
Calibration Check (P5F1907-CCV3)				Prepared & Analyzed: 06/19/25						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		111	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.4*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1907 - * DEFAULT PREP *** **										
Matrix Spike (P5F1907-MS1)	**Source: 5F17016-01**			Prepared & Analyzed: 06/19/25						
Benzene	0.0891	0.00100	mg/L	0.100	ND	89.1	80-120			
Toluene	0.0839	0.00100	"	0.100	ND	83.9	80-120			
Ethylbenzene	0.0845	0.00100	"	0.100	ND	84.5	80-120			
Xylene (p/m)	0.172	0.00200	"	0.200	ND	86.1	80-120			
Xylene (o)	0.0796	0.00100	"	0.100	ND	79.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
Matrix Spike Dup (P5F1907-MSD1)	**Source: 5F17016-01**			Prepared & Analyzed: 06/19/25						
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	20.1	20	QM-05
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	23.1	20	QM-05
Ethylbenzene	0.106	0.00100	"	0.100	ND	106	80-120	22.9	20	QM-05
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	20.5	20	QM-05
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	23.5	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
Batch P5F1908 - * DEFAULT PREP *** **										
Blank (P5F1908-BLK1)				Prepared & Analyzed: 06/19/25						
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	*0.111*		"	*0.120*		*92.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.6*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1908 - * DEFAULT PREP *** **										
LCS (P5F1908-BS1)				Prepared & Analyzed: 06/19/25						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.0994	0.00100	"	0.100		99.4	80-120			
Ethylbenzene	0.0995	0.00100	"	0.100		99.5	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0952	0.00100	"	0.100		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.9*	*80-120*			
LCS Dup (P5F1908-BSD1)				Prepared & Analyzed: 06/19/25						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120	0.692	20	
Toluene	0.0999	0.00100	"	0.100		99.9	80-120	0.502	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	1.08	20	
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120	0.204	20	
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120	0.639	20	
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Blank (P5F1908-CCB1)				Prepared & Analyzed: 06/19/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.0*	*80-120*			
Calibration Blank (P5F1908-CCB2)				Prepared: 06/19/25 Analyzed: 06/20/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.100		"							
Xylene (p/m)	0.150		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.110*		"	*0.120*		*91.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.1*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1908 - * DEFAULT PREP *** **										
Calibration Check (P5F1908-CCV1)				Prepared & Analyzed: 06/19/25						
Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		111	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.4*	*80-120*			
Calibration Check (P5F1908-CCV2)				Prepared: 06/19/25 Analyzed: 06/20/25						
Benzene	0.113	0.00100	mg/L	0.100		113	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)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Check (P5F1908-CCV3)				Prepared: 06/19/25 Analyzed: 06/20/25						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
Matrix Spike (P5F1908-MS1)		**Source: 5F18013-05**		Prepared: 06/19/25 Analyzed: 06/20/25						
Benzene	0.100	0.00100	mg/L	0.100	ND	100	80-120			
Toluene	0.0958	0.00100	"	0.100	ND	95.8	80-120			
Ethylbenzene	0.0964	0.00100	"	0.100	ND	96.4	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200	ND	96.6	80-120			
Xylene (o)	0.0910	0.00100	"	0.100	ND	91.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*94.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.4*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

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 P5F1908 - * DEFAULT PREP *** **										
Matrix Spike Dup (P5F1908-MSD1)	**Source: 5F18013-05**			Prepared: 06/19/25 Analyzed: 06/20/25						
Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	1.63	20	
Toluene	0.0968	0.00100	"	0.100	ND	96.8	80-120	1.06	20	
Ethylbenzene	0.0971	0.00100	"	0.100	ND	97.1	80-120	0.713	20	
Xylene (p/m)	0.196	0.00200	"	0.200	ND	98.0	80-120	1.39	20	
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120	1.40	20	
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6/24/2025

Raland Tuttle, Laboratory Manager/Technical Director

Talon LPE	Project:	CS CAYLOR
2901 S. State Hwy 349	Project Number:	SRS#2002-10250
Midland TX, 79706	Project Manager:	Brian Payton

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Brian Payton
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 210-870-4749 **Fax No:**
Sampler Signature: Bartlett Medley **e-mail:** bpayton@talonlpe.com

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) **ORDER #:** 5F18013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17A			6-17-25	8:19		3	3		3						GW			X		X
2	MW-16A			6-17-25	8:38		3	3		3						GW			X		X
3	MW-15A			6-17-25	8:57		3	3		3						GW			X		X
4	MW-14A			6-17-25	9:18		3	3		3						GW			X		X
5	MW-13A			6-17-25	7:32		3	3		3						GW			X		X
6	MW-18A			6-17-25	7:57		3	3		3						GW			X		X
7	MW-6A			6-18-25	8:40		3	3		3						GW			X		X
8	MW-10A			6-18-25	7:03		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	6/18/25	12:14			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Teresa Bledsoe	6/18/25	12:15

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.0 °C Thermometer: NCF
Adjusted: 2.0 °C Factor: LI

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page 1 of 1

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

PBELAB

Analytical Report

Prepared for:

Brian Payton

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5F18010

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/30/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6A	5F18010-01	Water	06/18/25 08:40	06-18-2025 12:14
MW-10A	5F18010-02	Water	06/18/25 07:03	06-18-2025 12:14

RSK-175 and Dissolved Iron and Manganese analysis were 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

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-6A

5F18010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Ethane	ND	0.00100	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 11:24	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 11:24	8015M	SUB-13
Methane	**0.00153**	0.000500	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 11:24	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Alkalinity as CaCO3	**340**	20.0	mg/L	1	P5F1910	06/19/25 14:22	06/19/25 14:22	EPA 310.1M	QAL1
Nitrate as N	**0.561**	0.200	mg/L	1	P5F1813	06/18/25 14:39	06/18/25 16:20	EPA 300.0	
Sulfate	**57.4**	1.00	mg/L	1	P5F1813	06/18/25 14:39	06/18/25 16:20	EPA 300.0	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 18:33	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 18:33	EPA 6020A	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

MW-10A

5F18010-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Ethane	ND	0.00100	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 16:50	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 16:50	8015M	SUB-13
Methane	**0.00131**	0.000500	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 16:50	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Alkalinity as CaCO3	**380**	20.0	mg/L	1	P5F1910	06/19/25 14:22	06/19/25 14:22	EPA 310.1M	QAL1
Nitrate as N	**1.08**	0.200	mg/L	1	P5F1813	06/18/25 14:39	06/18/25 16:57	EPA 300.0	
Sulfate	**58.4**	1.00	mg/L	1	P5F1813	06/18/25 14:39	06/18/25 16:57	EPA 300.0	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 18:35	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P5F3010	06/24/25 00:00	06/25/25 18:35	EPA 6020A	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

General Chemistry Parameters by EPA / Standard Methods - 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 P5F1813 - * DEFAULT PREP *** **										
Blank (P5F1813-BLK1)				Prepared & Analyzed: 06/18/25						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P5F1813-BS1)				Prepared & Analyzed: 06/18/25						
Sulfate	18.9		mg/L	20.0		94.7	90-110			
Nitrate as N	19.1		"	20.0		95.3	90-110			
LCS Dup (P5F1813-BSD1)				Prepared & Analyzed: 06/18/25						
Sulfate	19.0		mg/L	20.0		94.8	90-110	0.169	10	
Nitrate as N	19.1		"	20.0		95.5	90-110	0.225	10	
Calibration Check (P5F1813-CCV1)				Prepared & Analyzed: 06/18/25						
Sulfate	18.9		mg/L	20.0		94.5	90-110			
Nitrate as N	19.0		"	20.0		95.0	90-110			
Calibration Check (P5F1813-CCV2)				Prepared & Analyzed: 06/18/25						
Sulfate	19.3		mg/L	20.0		96.4	90-110			
Nitrate as N	19.4		"	20.0		96.8	90-110			
Duplicate (P5F1813-DUP1)		**Source: 5F18010-01**		Prepared & Analyzed: 06/18/25						
Sulfate	56.8	1.00	mg/L		57.4			1.20	20	
Nitrate as N	0.531	0.200	"		0.561			5.49	20	
Batch P5F1910 - * DEFAULT PREP *** **										
Blank (P5F1910-BLK1)				Prepared & Analyzed: 06/19/25						
Alkalinity as CaCO3	ND	20.0	mg/L							QAL1

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

General Chemistry Parameters by EPA / Standard Methods - 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 P5F1910 - * DEFAULT PREP *** **										
LCS (P5F1910-BS1)				Prepared & Analyzed: 06/19/25						
Alkalinity as CaCO3	250	20.0	mg/L				80-120			QAL1
Duplicate (P5F1910-DUP1)		**Source: 5F18010-01**		Prepared & Analyzed: 06/19/25						
Alkalinity as CaCO3	350	20.0	mg/L		340			2.90	200	QAL1

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6/30/2025

Raland Tuttle, Laboratory Manager/Technical Director

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Brian Payton

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Brian Payton
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 210-870-4749 **Fax No:**
Sampler Signature: Bartlett Madley **e-mail:** bpayton@talonlpe.com

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 5F18010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Othe	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	MNA Parameters	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-6A			6-18-25	8:40		5	5	1	3				1		GW				X		X
2	MW-10A			6-18-25	7:03		5	5	1	3				1		GW				X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Madley	6/18/25	12:14			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Teresa Bledsoe	6/18/25	12:14

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.0 °C Thermometer: NF
Adjusted: °C Factor: 1

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

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 26, 2025

Tressa Bledsoe
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS25061031**

Laboratory Results for: **5F18010**

Dear Tressa Bledsoe,

ALS Environmental received 2 sample(s) on Jun 20, 2025 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
Jessica Monfore
Project manager

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
Work Order: HS25061031

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25061031-01	5F18010-01	Water		18-Jun-2025 08:40	20-Jun-2025 08:50	☐
HS25061031-02	5F18010-02	Water		18-Jun-2025 07:03	20-Jun-2025 08:50	☐

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 5F18010
Work Order: HS25061031

GC Semivolatiles by Method RSK-175

Batch ID: R516224

Sample ID: HS25061173-01MS

- MS/MSD was performed on an unrelated sample.

Metals by Method SW6020A

Batch ID: 229673

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

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
Sample ID: 5F18010-01
Collection Date: 18-Jun-2025 08:40

ANALYTICAL REPORT
WorkOrder:HS25061031
Lab ID:HS25061031-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175	**Method:RSK-175**					Analyst: RG
Ethane	ND		1.00	ug/L	1	25-Jun-2025 11:24
Ethene	ND		1.00	ug/L	1	25-Jun-2025 11:24
Methane	**1.53**		**0.500**	**ug/L**	1	25-Jun-2025 11:24
DISSOLVED METALS BY SW6020A	**Method:SW6020A (dissolved)**			Prep:SW3010A / 25-Jun-2025		Analyst: JC
Iron	ND		0.200	mg/L	1	25-Jun-2025 18:33
Manganese	ND		0.00500	mg/L	1	25-Jun-2025 18:33

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

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
Sample ID: 5F18010-02
Collection Date: 18-Jun-2025 07:03

ANALYTICAL REPORT
WorkOrder:HS25061031
Lab ID:HS25061031-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175	**Method:RSK-175**					Analyst: RG
Ethane	ND		1.00	ug/L	1	25-Jun-2025 16:50
Ethene	ND		1.00	ug/L	1	25-Jun-2025 16:50
Methane	**1.31**		**0.500**	**ug/L**	1	25-Jun-2025 16:50
DISSOLVED METALS BY SW6020A	**Method:SW6020A (dissolved)**			Prep:SW3010A / 25-Jun-2025		Analyst: JC
Iron	ND		0.200	mg/L	1	25-Jun-2025 18:35
Manganese	ND		0.00500	mg/L	1	25-Jun-2025 18:35

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

ALS Houston, US

Date: 26-Jun-25

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

Batch ID: 229673 **Start Date:** 25 Jun 2025 13:30 **End Date:** 25 Jun 2025 13:30
Method: DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25061031-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS25061031-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 229673 (0)	**Test Name :** DISSOLVED METALS BY SW6020A				**Matrix:** Water	
HS25061031-01	5F18010-01	18 Jun 2025 08:40		25 Jun 2025 13:30	25 Jun 2025 18:33	1
HS25061031-02	5F18010-02	18 Jun 2025 07:03		25 Jun 2025 13:30	25 Jun 2025 18:35	1
Batch ID: R516224 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS25061031-01	5F18010-01	18 Jun 2025 08:40			25 Jun 2025 11:24	1
HS25061031-02	5F18010-02	18 Jun 2025 07:03			25 Jun 2025 16:50	1

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

QC BATCH REPORT

Batch ID: R516224 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-250625** Units: **ug/L** Analysis Date: **25-Jun-2025 10:56**
Client ID: Run ID: **FID-4_516224** SeqNo: **8911210** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	ND	1.00								
Ethene	ND	1.00								
Methane	ND	0.500								

LCS Sample ID: **LCS-250625** Units: **ug/L** Analysis Date: **25-Jun-2025 11:06**
Client ID: Run ID: **FID-4_516224** SeqNo: **8911211** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	17.29	1.00	18.04	0	95.8	75 - 125				
Ethene	16.82	1.00	16.8	0	100	75 - 125				
Methane	9.006	0.500	9.647	0	93.4	75 - 125				

LCSD Sample ID: **LCSD-250625** Units: **ug/L** Analysis Date: **25-Jun-2025 11:16**
Client ID: Run ID: **FID-4_516224** SeqNo: **8911212** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	16.71	1.00	18.04	0	92.6	75 - 125	17.29	3.43	30	
Ethene	17.56	1.00	16.8	0	105	75 - 125	16.82	4.32	30	
Methane	8.831	0.500	9.647	0	91.5	75 - 125	9.006	1.96	30	

MS Sample ID: **HS25061173-01MS** Units: **ug/L** Analysis Date: **25-Jun-2025 13:28**
Client ID: Run ID: **FID-4_516224** SeqNo: **8911223** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.44	1.00	18.04	0.3247	111	75 - 125				
Ethene	20.72	1.00	16.8	0	123	75 - 125				
Methane	11.16	0.500	9.647	4.106	73.1	75 - 125				S

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

QC BATCH REPORT

Batch ID: R516224 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MSD Sample ID: **HS25061173-01MSD** Units: **ug/L** Analysis Date: **25-Jun-2025 13:36**
Client ID: Run ID: **FID-4_516224** SeqNo: **8911224** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	18.15	1.00	18.04	0.3247	98.8	75 - 125	20.44	11.9	30	
Ethene	19.31	1.00	16.8	0	115	75 - 125	20.72	7.05	30	
Methane	11.05	0.500	9.647	4.106	71.9	75 - 125	11.16	1	30	S

The following samples were analyzed in this batch: HS25061031-01 HS25061031-02

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

QC BATCH REPORT

Batch ID: 229673 (0) **Instrument: ICPMS06** **Method: DISSOLVED METALS BY SW6020A (DISSOLVED)**

MBLK Sample ID: **MBLK-229673** Units: **mg/L** Analysis Date: **25-Jun-2025 17:57**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912126** PrepDate: **25-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	ND	0.200								
Manganese	ND	0.00500								

LCS Sample ID: **LCS-229673** Units: **mg/L** Analysis Date: **25-Jun-2025 17:59**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912127** PrepDate: **25-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.812	0.200	5	0	96.2	80 - 120				
Manganese	0.0448	0.00500	0.05	0	89.6	80 - 120				

MS Sample ID: **HS25060869-01MS** Units: **mg/L** Analysis Date: **25-Jun-2025 18:12**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912131** PrepDate: **25-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.78	0.200	5	0.003369	95.5	75 - 125				
Manganese	0.08808	0.00500	0.05	0.04335	89.5	75 - 125				

MSD Sample ID: **HS25060869-01MSD** Units: **mg/L** Analysis Date: **25-Jun-2025 18:13**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912132** PrepDate: **25-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.673	0.200	5	0.003369	93.4	75 - 125	4.78	2.26	20	
Manganese	0.08674	0.00500	0.05	0.04335	86.8	75 - 125	0.08808	1.54	20	

PDS Sample ID: **HS25060869-01PDS** Units: **mg/L** Analysis Date: **25-Jun-2025 18:15**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912133** PrepDate: **25-Jun-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	9.17	0.200	10	0.003369	91.7	75 - 125				
Manganese	0.1301	0.00500	0.1	0.04335	86.7	75 - 125				

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: HS25061031

QC BATCH REPORT

Batch ID: 229673 (0) **Instrument:** ICPMS06 **Method:** DISSOLVED METALS BY SW6020A (DISSOLVED)

SD Sample ID: **HS25060869-01SD** Units: **mg/L** Analysis Date: **25-Jun-2025 18:01**
Client ID: Run ID: **ICPMS06_516202** SeqNo: **8912128** PrepDate: **25-Jun-2025** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Iron	0.1202	1.00					0.003369	0	10	J
Manganese	0.0443	0.0250					0.04335	2.19	10	

The following samples were analyzed in this batch: HS25061031-01 HS25061031-02

ALS Houston, US Date: 26-Jun-25

Client: Permian Basin Environmental Lab, LP
Project: 5F18010
WorkOrder: **HS25061031**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	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
O	Sample amount is > 4 times amount spiked
P	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
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

ALS Houston, US Date: 26-Jun-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	200032 - 2025	31-Jul-2026
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Maryland	343 - 2025	30-Jun-2025
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C24-00224 / 2024	31-Jul-2025
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 26-Jun-25

Sample Receipt Checklist

Work Order ID: HS25061031 **Date/Time Received:** 20-Jun-2025 08:50

Client Name: Permian Basin Lab **Received by:** Edgar Zheku

Completed By:	/S/ ruden.vakiari	20-Jun-2025 12:28	**Reviewed by:**	/S/ Beverly Mustafa	20-Jun-2025 15:53
	eSignature	Date/Time		eSignature	Date/Time

Matrices: W Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	4.1UC/4.1C	IR # 34
Cooler(s)/Kit(s):	BLACK	
Date/Time sample(s) sent to storage:	06/20/2025 12:28	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

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: RALAND TUTTLE

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Sampler Signature: N/A

e-mail: raland@pbelab.com, sara@pbelab.com, tressa@pbelab.com

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: X Standard ☐ TRRP ☐ NPDES

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	125 mL amber boston rounds	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	RSK SOP-175	Mn DISS ICPMS 6020A	Fe DISS ICPMS 6020A	72 HOUR	STANDARD
	5F18010-01			6/18/2025	8:40		4	X	X	X						W	X	X	X		X
	5F18010-02			6/18/2025	7:03		4	X	X	X						W	X	X	X		

Permian Basin Environmental Lab, LP
SUBCONTRACT
HS25061031

Please add tressa@pbelab.com and sara@pbelab.com for WOA's.

Relinquished by:	Date	Time	Received by:	Date	Time
RALAND TUTTLE	6/~~18~~ 19/2025 TB	17:00			
			06/20/25 08:50		

Laboratory Comments:

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

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

Blank 4.1 TR34 1.80 -n

RIGHT SOLUTIONS | RIGHT PARTNER


ORIGIN ID:MAFA (432) 686-7235
TRESSA BLEDSOE
PERMIAN BASIN ENVIRONMENTAL LAB, LP
1400 RANKIN HWY

MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 19JUN25
ACTWGT: 9.00 LB
CAD: 107136848/INET4535
DIMS: 13x9x9 IN

BILL RECIPIENT

TO SAMPLE RECEIVING
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099
(281) 530-5615 REF:
INV:
PO: DEPT:

FedEx Express

FRI - 20 JUN 5:00P
STANDARD OVERNIGHT

TRK# 8821 5730 6651

AB SGRA

77099
TX-US IAH

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

PBELAB

Analytical Report

Prepared for:

Kevin Weichert

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5I11033

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/12/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17A	5I11033-01	Water	09/10/25 11:35	09-10-2025 16:36
MW-16A	5I11033-02	Water	09/10/25 11:09	09-10-2025 16:36
MW-15A	5I11033-03	Water	09/10/25 10:42	09-10-2025 16:36
MW-14A	5I11033-04	Water	09/10/25 10:05	09-10-2025 16:36
MW-13A	5I11033-05	Water	09/10/25 12:29	09-10-2025 16:36
MW-18A	5I11033-06	Water	09/10/25 09:44	09-10-2025 16:36

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-17A

5I11033-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 19:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*85.6 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 19:54*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 19:54	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 19:54	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-16A

5I11033-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 20:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 20:16*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 20:16	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 20:16	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-15A

5I11033-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 20:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.5 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 20:38*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 20:38	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 20:38	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-14A

5I11033-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*115 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:00*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:00	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:00	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-13A

5I11033-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.4 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:22*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:22	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:22	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-18A

5I11033-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1111	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.0 %*	*80-120*		*P5I1111*	*09/11/25 10:44*	*09/11/25 21:44*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:44	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/25 10:44	09/11/25 21:44	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1111 - * DEFAULT PREP *** **										
Blank (P5I1111-BLK1)				Prepared & Analyzed: 09/11/25						
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	*0.118*		"	*0.120*		*98.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.102*		"	*0.120*		*85.4*	*80-120*			
LCS (P5I1111-BS1)				Prepared & Analyzed: 09/11/25						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120		20	
Toluene	0.106	0.00100	"	0.100		106	80-120		20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120		20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120		20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		"	*0.120*		*88.9*	*80-120*			
LCS Dup (P5I1111-BSD1)				Prepared & Analyzed: 09/11/25						
Benzene	0.0978	0.00100	mg/L	0.100		97.8	80-120	4.56	20	
Toluene	0.103	0.00100	"	0.100		103	80-120	2.94	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	2.34	20	
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120	2.24	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	0.523	20	
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*86.7*	*80-120*			
Calibration Blank (P5I1111-CCB1)				Prepared & Analyzed: 09/11/25						
Benzene	0.00		ug/l							
Toluene	0.190		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*96.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		"	*0.120*		*87.0*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1111 - * DEFAULT PREP *** **										
Calibration Blank (P5I1111-CCB2)				Prepared & Analyzed: 09/11/25						
Benzene	0.170		ug/l							
Toluene	0.320		"							
Ethylbenzene	0.630		"							
Xylene (p/m)	1.44		"							
Xylene (o)	0.590		"							
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.103*		*"*	*0.120*		*85.8*	*80-120*			
Calibration Check (P5I1111-CCV1)				Prepared & Analyzed: 09/11/25						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*86.5*	*80-120*			
Calibration Check (P5I1111-CCV2)				Prepared & Analyzed: 09/11/25						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.115	0.00100	"	0.100		115	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)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.102*		*"*	*0.120*		*85.3*	*80-120*			
Calibration Check (P5I1111-CCV3)				Prepared & Analyzed: 09/11/25						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.141*		*"*	*0.120*		*117*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*89.6*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1111 - * DEFAULT PREP *** **										
Matrix Spike (P5I1111-MS1)		**Source: 5I08021-01**		Prepared & Analyzed: 09/11/25						
Benzene	0.126	0.00100	mg/L	0.100	0.0234	103	80-120		20	
Toluene	0.104	0.00100	"	0.100	0.00569	98.3	80-120		20	
Ethylbenzene	0.103	0.00100	"	0.100	0.00663	96.7	80-120		20	
Xylene (p/m)	0.214	0.00200	"	0.200	0.0243	94.9	80-120		20	
Xylene (o)	0.0970	0.00100	"	0.100	0.00409	92.9	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.135*		*"*	*0.120*		*112*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.1*	*80-120*			
Matrix Spike Dup (P5I1111-MSD1)		**Source: 5I08021-01**		Prepared & Analyzed: 09/11/25						
Benzene	0.131	0.00100	mg/L	0.100	0.0234	108	80-120	4.84	20	
Toluene	0.107	0.00100	"	0.100	0.00569	101	80-120	2.69	20	
Ethylbenzene	0.109	0.00100	"	0.100	0.00663	102	80-120	5.76	20	
Xylene (p/m)	0.227	0.00200	"	0.200	0.0243	102	80-120	6.81	20	
Xylene (o)	0.104	0.00100	"	0.100	0.00409	99.7	80-120	7.09	20	
Surrogate: 4-Bromofluorobenzene	*0.134*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.101*		*"*	*0.120*		*84.4*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 9/12/2025

Raland Tuttle, Laboratory Manager/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kevin Weichert
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 307-251-2529 **Fax No:**
Sampler Signature: Bartlett Medley **e-mail:** kweichert@talonlpe.com

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) **ORDER #:** 5I11033

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17A			9-10-25	11:35		3	3		3						GW			X		X
2	MW-16A			9-10-25	11:09		3	3		3						GW			X		X
3	MW-15A			9-10-25	10:42		3	3		3						GW			X		X
4	MW-14A			9-10-25	10:05		3	3		3						GW			X		X
5	MW-13A			9-10-25	12:29		3	3		3						GW			X		X
6	MW-18A			9-10-25	9:44		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	9-10-25	12:44			
	9-10-25	16:36			
			Received by PBEL: Teresa Bledsoe	9/10/25	16:37

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 4.9 °C Thermometer: NC5 13
Adjusted: °C Factor:

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

PBELAB

Analytical Report

Prepared for:

Kevin Weichert

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5I11051

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/15/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10A	5I11051-01	Water	09/11/25 08:31	09-11-2025 15:20
MW-6A	5I11051-02	Water	09/11/25 10:42	09-11-2025 15:20

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-10A

5I11051-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P5I1213*	*09/12/25 16:48*	*09/12/25 20:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.8 %*	*80-120*		*P5I1213*	*09/12/25 16:48*	*09/12/25 20:16*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/12/25 16:48	09/12/25 20:16	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/12/25 16:48	09/12/25 20:16	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-6A

5I11051-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5I1213	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P5I1213*	*09/12/25 16:48*	*09/12/25 20:38*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.5 %*	*80-120*		*P5I1213*	*09/12/25 16:48*	*09/12/25 20:38*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/12/25 16:48	09/12/25 20:38	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/12/25 16:48	09/12/25 20:38	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1213 - * DEFAULT PREP *** **										
Blank (P5I1213-BLK1)				Prepared & Analyzed: 09/12/25						
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	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.109*		*"*	*0.120*		*90.6*	*80-120*			
LCS (P5I1213-BS1)				Prepared & Analyzed: 09/12/25						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120		20	
Toluene	0.114	0.00100	"	0.100		114	80-120		20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120		20	
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120		20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.8*	*80-120*			
LCS Dup (P5I1213-BSD1)				Prepared & Analyzed: 09/12/25						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120	6.59	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	6.04	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	3.73	20	
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120	2.64	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	1.70	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.4*	*80-120*			
Calibration Blank (P5I1213-CCB1)				Prepared & Analyzed: 09/12/25						
Benzene	0.210		ug/l							
Toluene	0.350		"							
Ethylbenzene	0.740		"							
Xylene (p/m)	1.45		"							
Xylene (o)	0.720		"							
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.104*		*"*	*0.120*		*87.0*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1213 - * DEFAULT PREP *** **										
Calibration Blank (P5I1213-CCB2)				Prepared & Analyzed: 09/12/25						
Benzene	0.230		ug/l							
Toluene	0.280		"							
Ethylbenzene	0.750		"							
Xylene (p/m)	1.34		"							
Xylene (o)	0.470		"							
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.0*	*80-120*			
Calibration Check (P5I1213-CCV1)				Prepared & Analyzed: 09/12/25						
Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.7*	*80-120*			
Calibration Check (P5I1213-CCV2)				Prepared & Analyzed: 09/12/25						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	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	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*80-120*			
Calibration Check (P5I1213-CCV3)				Prepared: 09/12/25 Analyzed: 09/13/25						
Benzene	0.0954	0.00100	mg/L	0.100		95.4	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5I1213 - * DEFAULT PREP *** **										
Matrix Spike (P5I1213-MS1)	**Source: 5I11051-01**			Prepared: 09/12/25 Analyzed: 09/13/25						
Benzene	0.0989	0.00100	mg/L	0.100	ND	98.9	80-120		20	
Toluene	0.103	0.00100	"	0.100	ND	103	80-120		20	
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120		20	
Xylene (p/m)	0.209	0.00200	"	0.200	ND	105	80-120		20	
Xylene (o)	0.0987	0.00100	"	0.100	ND	98.7	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.4*	*80-120*			
Matrix Spike Dup (P5I1213-MSD1)	**Source: 5I11051-01**			Prepared: 09/12/25 Analyzed: 09/13/25						
Benzene	0.0914	0.00100	mg/L	0.100	ND	91.4	80-120	7.82	20	
Toluene	0.0961	0.00100	"	0.100	ND	96.1	80-120	7.33	20	
Ethylbenzene	0.0980	0.00100	"	0.100	ND	98.0	80-120	6.35	20	
Xylene (p/m)	0.198	0.00200	"	0.200	ND	98.9	80-120	5.73	20	
Xylene (o)	0.0931	0.00100	"	0.100	ND	93.1	80-120	5.89	20	
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 9/15/2025

Raland Tuttle, Laboratory Manager/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kevin Weichert
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 307-251-2529 **Fax No:**
Sampler Signature: Bartlett Medley **e-mail:** kweichert@talonlpe.com

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only) **ORDER #:** 5I11051

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Othe	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-10A			9-11-25	8:31		3	3		3						GW			X		X
2	MW-6A			9-11-25	10:42		3	3		3						GW			X		X

TCLP:
TOTAL:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	9-11-25	11:10			
	9-11-25	15:20			
			Received by PBEL: Teresa Bedoya	9/11/25	15:20

Laboratory Comments:

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

Temperature Upon Receipt: Received: 4.7 °C Thermometer: NCF Adjusted: °C Factor: L3

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

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

PBELAB

Analytical Report

Prepared for:

Kevin Weichert

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5L09014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/15/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17A	5L09014-01	Water	12/08/25 10:11	12-09-2025 14:34
MW-16A	5L09014-02	Water	12/08/25 09:39	12-09-2025 14:34
MW-15A	5L09014-03	Water	12/08/25 09:14	12-09-2025 14:34
MW-14A	5L09014-04	Water	12/08/25 10:43	12-09-2025 14:34
MW-13A	5L09014-05	Water	12/08/25 11:23	12-09-2025 14:34
MW-18A	5L09014-06	Water	12/08/25 12:36	12-09-2025 14:34
MW-12A	5L09014-07	Water	12/08/25 11:54	12-09-2025 14:34
MW-6A	5L09014-08	Water	12/09/25 09:44	12-09-2025 14:34
MW-10A	5L09014-09	Water	12/09/25 08:28	12-09-2025 14:34

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-17A

5L09014-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:04*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:04	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:04	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-16A

5L09014-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*94.3 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:26*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:26	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-15A

5L09014-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 20:48*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 20:48	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-14A

5L09014-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.3 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:11*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:11	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-13A

5L09014-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.3 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:33*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:33	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:33	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-18A

5L09014-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:55*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 21:55*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:55	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 21:55	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-12A

5L09014-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.105**	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Ethylbenzene	**0.00476**	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:02*	*EPA 8021B*	
Total BTEX	**0.110**	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:02	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-6A

5L09014-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.2 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:24*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:24	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:24	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-10A

5L09014-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P5L1010	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P5L1010*	*12/10/25 15:56*	*12/10/25 23:46*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:46	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/10/25 15:56	12/10/25 23:46	EPA 8021B	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5L1010 - * DEFAULT PREP *** **										
Blank (P5L1010-BLK1)				Prepared & Analyzed: 12/10/25						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.1*	*80-120*			
LCS (P5L1010-BS1)				Prepared & Analyzed: 12/10/25						
Benzene	0.0598	0.00100	mg/L	0.0250		239	80-120		20	
Toluene	0.0582	0.00100	"	0.0250		233	80-120		20	
Ethylbenzene	0.0562	0.00100	"	0.0250		225	80-120		20	
Xylene (p/m)	0.124	0.00200	"	0.0500		248	80-120		20	L1
Xylene (o)	0.0535	0.00100	"	0.0250		214	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*98.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
LCS Dup (P5L1010-BSD1)				Prepared & Analyzed: 12/10/25						
Benzene	0.0526	0.00100	mg/L	0.0250		211	80-120	12.7	20	
Toluene	0.0506	0.00100	"	0.0250		203	80-120	13.9	20	
Ethylbenzene	0.0493	0.00100	"	0.0250		197	80-120	13.0	20	
Xylene (p/m)	0.110	0.00200	"	0.0500		219	80-120	12.6	20	
Xylene (o)	0.0472	0.00100	"	0.0250		189	80-120	12.5	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*100*	*80-120*			
Calibration Blank (P5L1010-CCB1)				Prepared & Analyzed: 12/10/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.110		"							
Xylene (p/m)	0.260		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.111*		"	*0.120*		*92.7*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5L1010 - * DEFAULT PREP *** **										
Calibration Blank (P5L1010-CCB2)				Prepared & Analyzed: 12/10/25						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.300		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.7*	*80-120*			
Calibration Check (P5L1010-CCV1)				Prepared & Analyzed: 12/10/25						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Calibration Check (P5L1010-CCV2)				Prepared & Analyzed: 12/10/25						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Calibration Check (P5L1010-CCV3)				Prepared: 12/10/25 Analyzed: 12/11/25						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0968	0.00100	"	0.100		96.8	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0974	0.00100	"	0.100		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

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 P5L1010 - * DEFAULT PREP *** **										
Matrix Spike (P5L1010-MS1)	**Source: 5L10015-01**			Prepared: 12/10/25 Analyzed: 12/11/25						
Benzene	0.0961	0.00100	mg/L	0.0500	ND	192	80-120		20	
Toluene	0.102	0.00100	"	0.0500	ND	203	80-120		20	
Ethylbenzene	0.0988	0.00100	"	0.0500	ND	198	80-120		20	
Xylene (p/m)	0.206	0.00200	"	0.100	ND	206	80-120		20	
Xylene (o)	0.0901	0.00100	"	0.0500	ND	180	80-120		20	
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P5L1010-MSD1)	**Source: 5L10015-01**			Prepared: 12/10/25 Analyzed: 12/11/25						
Benzene	0.101	0.00100	mg/L	0.0500	ND	202	80-120	4.93	20	
Toluene	0.104	0.00100	"	0.0500	ND	208	80-120	2.58	20	
Ethylbenzene	0.102	0.00100	"	0.0500	ND	203	80-120	2.80	20	
Xylene (p/m)	0.214	0.00200	"	0.100	ND	214	80-120	3.89	20	
Xylene (o)	0.0958	0.00100	"	0.0500	ND	192	80-120	6.17	20	
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

Notes and Definitions

ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte results may be biased high.
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: Raland K Tuttle Date: 12/15/2025

Raland Tuttle, Laboratory Manager/Technical Director

Talon LPE	Project:	CS CAYLOR
2901 S. State Hwy 349	Project Number:	SRS#2002-10250
Midland TX, 79706	Project Manager:	Kevin Weichert

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kevin Weichert
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 307-251-2529 **Fax No:**
Sampler Signature: Bartlett Medley

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: kweichert@talonlpe.com

(lab use only)
ORDER #: 5409014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17A			12-8-25	10:11		3	3		3						GW			X		X
2	MW-16A			12-8-25	9:39		3	3		3						GW			X		X
3	MW-15A			12-8-25	9:14		3	3		3						GW			X		X
4	MW-14A			12-8-25	10:43		3	3		3						GW			X		X
5	MW-13A			12-8-25	11:23		3	3		3						GW			X		X
6	MW-18A			12-8-25	12:36		3	3		3						GW			X		X
7	MW-12A			12-8-25	11:54		3	3		3						GW			X		X
8	MW-6A			12-9-25	9:44		3	3		3						GW			X		X
9	MW-10A			12-9-25	8:28		3	3		3						GW			X		X

TCLP:
TOTAL:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	12-9-25	10:10	P. Jose G	12-9-25	14:34
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
Jose G	12/9/25	14:34	Diana Bledsoe	12/9/25	10:10 / 14:34

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.1 °C Thermometor: NCF L3
Adjusted: °C Factor:

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

PBELAB

Analytical Report

Prepared for:

Kevin Weichert

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: CS CAYLOR

Project Number: SRS#2002-10250

Location: Lea County, NM

Lab Order Number: 5L09015

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/23/25

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6A	5L09015-01	Water	12/09/25 09:44	12-09-2025 14:34
MW-10A	5L09015-02	Water	12/09/25 08:28	12-09-2025 14:34

RSK-175, Dissolved Iron and Manganese analysis were 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

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-6A

5L09015-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Ethane	ND	0.00100	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 16:55	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 16:55	8015M	SUB-13
Methane	**0.00309**	0.000500	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 16:55	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Alkalinity as CaCO3	**350**	10.0	mg/L	1	P5L1115	12/11/25 11:58	12/11/25 11:58	SM 2320B	QAL1
Nitrate as N	**1.36**	0.200	mg/L	1	P5L1202	12/10/25 11:26	12/12/25 15:08	EPA 300.0	
Sulfate	**59.2**	1.00	mg/L	1	P5L1202	12/10/25 11:26	12/12/25 15:08	EPA 300.0	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P5L2308	12/11/25 00:00	12/16/25 13:46	EPA 6020A	SUB-13
Manganese	**0.0205**	0.00500	mg/L	1	P5L2308	12/11/25 00:00	12/16/25 13:46	EPA 6020A	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

MW-10A

5L09015-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Ethane	ND	0.00100	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 17:03	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 17:03	8015M	SUB-13
Methane	**0.00162**	0.000500	mg/L	1	P5L2308	12/11/25 00:00	12/11/25 17:03	8015M	SUB-13
General Chemistry Parameters by EPA / Standard Methods									
Alkalinity as CaCO3	**330**	10.0	mg/L	1	P5L1115	12/11/25 11:58	12/11/25 11:58	SM 2320B	QAL1
Nitrate as N	**1.63**	0.200	mg/L	1	P5L1202	12/10/25 11:26	12/12/25 15:25	EPA 300.0	
Sulfate	**60.6**	1.00	mg/L	1	P5L1202	12/10/25 11:26	12/12/25 15:25	EPA 300.0	
Dissolved Metals by EPA / Standard Methods									
Iron	ND	0.200	mg/L	1	P5L2308	12/11/25 00:00	12/16/25 13:48	EPA 6020A	SUB-13
Manganese	ND	0.00500	mg/L	1	P5L2308	12/11/25 00:00	12/16/25 13:48	EPA 6020A	SUB-13

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

General Chemistry Parameters by EPA / Standard Methods - 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 P5L1115 - * DEFAULT PREP *** **										
Blank (P5L1115-BLK1)				Prepared & Analyzed: 12/11/25						
Alkalinity as CaCO3	ND	10.0	mg/L							QAL1
LCS (P5L1115-BS1)				Prepared & Analyzed: 12/11/25						
Alkalinity as CaCO3	250	10.0	mg/L				80-120		20	QAL1
Duplicate (P5L1115-DUP1)		**Source: 5L02010-02**		Prepared & Analyzed: 12/11/25						
Alkalinity as CaCO3	290	10.0	mg/L		290			0.00	200	QAL1
Duplicate (P5L1115-DUP2)		**Source: 5L02010-02**		Prepared & Analyzed: 12/11/25						
Alkalinity as CaCO3	290	10.0	mg/L		290			0.00	200	QAL1
Batch P5L1202 - * DEFAULT PREP *** **										
Blank (P5L1202-BLK1)				Prepared & Analyzed: 12/12/25						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
LCS (P5L1202-BS1)				Prepared & Analyzed: 12/12/25						
Sulfate	19.8		mg/L	20.0		99.2	90-110		10	
Nitrate as N	19.6		"	20.0		98.2	90-110		10	
LCS Dup (P5L1202-BSD1)				Prepared & Analyzed: 12/12/25						
Sulfate	19.9		mg/L	20.0		99.7	90-110	0.563	10	
Nitrate as N	19.7		"	20.0		98.5	90-110	0.300	10	
Calibration Check (P5L1202-CCV1)				Prepared & Analyzed: 12/12/25						
Sulfate	19.8		mg/L	20.0		99.2	90-110			
Nitrate as N	19.6		"	20.0		97.8	90-110			

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

General Chemistry Parameters by EPA / Standard Methods - 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 P5L1202 - * DEFAULT PREP *** **										
Calibration Check (P5L1202-CCV2)				Prepared & Analyzed: 12/12/25						
Nitrate as N	20.0		mg/L	20.0		99.8	90-110			
Sulfate	20.1		"	20.0		100	90-110			
Duplicate (P5L1202-DUP1)	**Source: 5L02010-02**			Prepared & Analyzed: 12/12/25						
Nitrate as N	ND	0.200	mg/L		ND				20	
Sulfate	98.9	1.00	"		97.9			0.996	20	
Duplicate (P5L1202-DUP2)	**Source: 5L02010-05**			Prepared & Analyzed: 12/12/25						
Sulfate	ND	1.00	mg/L		ND				20	
Nitrate as N	21.3	0.200	"		21.4			0.0937	20	
Duplicate (P5L1202-DUP3)	**Source: 5L02010-06**			Prepared & Analyzed: 12/12/25						
Sulfate	ND	1.00	mg/L		ND				20	
Nitrate as N	ND	0.200	"		ND				20	

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

Notes and Definitions

SUB-13	Subcontract of analyte/analysis to ALS Houston.
ROI	Received on Ice
QAL1	The Laboratory is not TNI Certified for this analyte or analysis.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 12/23/2025

Raland Tuttle, Laboratory Manager/Technical Director

Talon LPE	Project: CS CAYLOR
2901 S. State Hwy 349	Project Number: SRS#2002-10250
Midland TX, 79706	Project Manager: Kevin Weichert

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

Project Manager: Kevin Weichert
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 307-251-2529 **Fax No:**
Sampler Signature: Bartlett Madley **e-mail:** kweichert@talonlpe.com

Project Name: CS Caylor
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10250
Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 5L09015

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	MNA Parameters	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-6A			12-9-25	9:44		5	5	1	3				1		GW				X		X
2	MW-10A			12-9-25	8:28		5	5	1	3				1		GW				X		X

TCLP:
TOTAL:

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Madley	12-9-25	10:10	Justin	12-9-25	14:34
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
	12-9-25	14:34	Teresa Bledsoe	12/9/25	14:34

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 2.1 °C Thermometer: NKF
Adjusted: °C Factor: L3

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

PBELAB

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: RALAND TUTTLE
Project Name: SUBCONTRACT
Company Name: PBEL
Project #:
Company Address: 1400 Rankin HWY
Project Loc:
City/State/Zip: Midland Texas 79701
PO #:
Telephone No: 432-686-7235
Fax No:
Report Format: X Standard ☐ TRRP ☐ NPDES
Sampler Signature: N/A
e-mail: raland@pbelab.com, sara@pbelab.com, tressa@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	125 ml. amber boston rounds	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: RSK SOP-175	Mn DISS ICPMS 6020A	Fe DISS ICPMS 6020A	72 HOUR	STANDARD
	5L09015-01			12/9/2025	9:44		4	X	X	X						W			X	X	X		X
	5L09015-02			12/9/2025	8:28		4	X	X	X						W			X	X	X		

Please add tressa@pbelab.com and sara@pbelab.com for WOA's.

Laboratory Comments:

Relinquished by: RALAND TUTTLE	12/10/2025	17:00	Received by:			Date	Time	Sample Containers Intact?	Y	N
Relinquished by:	Date	Time	Received by:			Date	Time	VOCs Free of Headspace?	Y	N
Relinquished by:	Date	Time	Received by:			Date	Time	Labels on container(s)	Y	N
								Custody seals on container(s)	Y	N
								Custody seals on cooler(s)	Y	N
								Sample Hand Delivered	Y	N
								by Sampler/Client Rep. ?	Y	N
								by Courier? UPS DHL FedEx Lone Star		
								Temperature Upon Receipt:		
								Received: °C		
								Adjusted: °C Factor		

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 16, 2025

Sara Gotcher
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS25120532**

Laboratory Results for: **5L09015-01**

Dear Sara Gotcher,

ALS Environmental received 2 sample(s) on Dec 11, 2025 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
Jessica Monfore
Project Manager

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
Work Order: HS25120532

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25120532-01	5L09015-01	Water		09-Dec-2025 09:44	11-Dec-2025 10:10	☐
HS25120532-02	5L09015-02	Water		09-Dec-2025 08:28	11-Dec-2025 10:10	☐

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 5L09015-01
Work Order: HS25120532

GC Semivolatiles by Method RSK-175

Batch ID: R528158

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

Metals by Method SW6020A

Batch ID: 236633

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

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
Sample ID: 5L09015-01
Collection Date: 09-Dec-2025 09:44

ANALYTICAL REPORT
WorkOrder:HS25120532
Lab ID:HS25120532-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175	**Method:RSK-175**					Analyst: RG
Ethane	ND		1.00	ug/L	1	11-Dec-2025 16:55
Ethene	ND		1.00	ug/L	1	11-Dec-2025 16:55
Methane	**3.09**		**0.500**	**ug/L**	1	11-Dec-2025 16:55
DISSOLVED METALS BY SW6020A	**Method:SW6020A (dissolved)**			Prep:SW3010A / 13-Dec-2025		Analyst: JC
Iron	ND		0.200	mg/L	1	16-Dec-2025 13:46
Manganese	**0.0205**		**0.00500**	**mg/L**	1	16-Dec-2025 13:46

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

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
Sample ID: 5L09015-02
Collection Date: 09-Dec-2025 08:28

ANALYTICAL REPORT
WorkOrder:HS25120532
Lab ID:HS25120532-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175	**Method:RSK-175**					Analyst: RG
Ethane	ND		1.00	ug/L	1	11-Dec-2025 17:03
Ethene	ND		1.00	ug/L	1	11-Dec-2025 17:03
Methane	**1.62**		**0.500**	**ug/L**	1	11-Dec-2025 17:03
DISSOLVED METALS BY SW6020A	**Method:SW6020A (dissolved)**			Prep:SW3010A / 13-Dec-2025		Analyst: JC
Iron	ND		0.200	mg/L	1	16-Dec-2025 13:48
Manganese	ND		0.00500	mg/L	1	16-Dec-2025 13:48

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

ALS Houston, US

Date: 16-Dec-25

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: HS25120532

Batch ID: 236633 **Start Date:** 13 Dec 2025 07:00 **End Date:** 13 Dec 2025 07:00
Method: DISS METALS PREP - WATER - SW3010A **Prep Code:** 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25120532-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS25120532-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: HS25120532

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 236633 (0)	**Test Name :** DISSOLVED METALS BY SW6020A				**Matrix:** Water	
HS25120532-01	5L09015-01	09 Dec 2025 09:44		13 Dec 2025 07:00	16 Dec 2025 13:46	1
HS25120532-02	5L09015-02	09 Dec 2025 08:28		13 Dec 2025 07:00	16 Dec 2025 13:48	1
Batch ID: R528158 (0)	**Test Name :** DISSOLVED GASES BY RSK-175				**Matrix:** Water	
HS25120532-01	5L09015-01	09 Dec 2025 09:44			11 Dec 2025 16:55	1
HS25120532-02	5L09015-02	09 Dec 2025 08:28			11 Dec 2025 17:03	1

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: HS25120532

QC BATCH REPORT

Batch ID: R528158 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK Sample ID: **MBLK-251211** Units: **ug/L** Analysis Date: **11-Dec-2025 14:54**
Client ID: Run ID: **FID-4_528158** SeqNo: **9187390** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	ND	1.00								
Ethene	ND	1.00								
Methane	ND	0.500								

LCS Sample ID: **LCS-251211** Units: **ug/L** Analysis Date: **11-Dec-2025 15:05**
Client ID: Run ID: **FID-4_528158** SeqNo: **9187391** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	22.45	1.00	18.04	0	124	75 - 125				
Ethene	16.96	1.00	16.8	0	101	75 - 125				
Methane	10.99	0.500	9.647	0	114	75 - 125				

LCSD Sample ID: **LCSD-251211** Units: **ug/L** Analysis Date: **11-Dec-2025 15:14**
Client ID: Run ID: **FID-4_528158** SeqNo: **9187392** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	21.42	1.00	18.04	0	119	75 - 125	22.45	4.7	30	
Ethene	16.28	1.00	16.8	0	96.9	75 - 125	16.96	4.06	30	
Methane	10.7	0.500	9.647	0	111	75 - 125	10.99	2.64	30	

The following samples were analyzed in this batch: HS25120532-01 HS25120532-02

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: HS25120532

QC BATCH REPORT

Batch ID: 236633 (0) **Instrument: ICPMS06** **Method: DISSOLVED METALS BY SW6020A (DISSOLVED)**

MBLK Sample ID: **MBLK-236633** Units: **mg/L** Analysis Date: **16-Dec-2025 12:27**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191863** PrepDate: **13-Dec-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	ND	0.200								
Manganese	ND	0.00500								

LCS Sample ID: **LCS-236633** Units: **mg/L** Analysis Date: **16-Dec-2025 12:29**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191864** PrepDate: **13-Dec-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.723	0.200	5	0	94.5	80 - 120				
Manganese	0.04747	0.00500	0.05	0	94.9	80 - 120				

MS Sample ID: **HS25120464-06MS** Units: **mg/L** Analysis Date: **16-Dec-2025 12:37**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191868** PrepDate: **13-Dec-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.71	0.200	5	0.005336	94.1	75 - 125				
Manganese	0.2374	0.00500	0.05	0.187	101	75 - 125				

MSD Sample ID: **HS25120464-06MSD** Units: **mg/L** Analysis Date: **16-Dec-2025 12:38**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191869** PrepDate: **13-Dec-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	4.696	0.200	5	0.005336	93.8	75 - 125	4.71	0.315	20	
Manganese	0.2384	0.00500	0.05	0.187	103	75 - 125	0.2374	0.411	20	

PDS Sample ID: **HS25120464-06PDS** Units: **mg/L** Analysis Date: **16-Dec-2025 12:40**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191870** PrepDate: **13-Dec-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Iron	9.603	0.200	10	0.005336	96.0	75 - 125				
Manganese	0.2888	0.00500	0.1	0.187	102	75 - 125				

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: HS25120532

QC BATCH REPORT

Batch ID: 236633 (0) **Instrument:** ICPMS06 **Method:** DISSOLVED METALS BY SW6020A (DISSOLVED)

SD Sample ID: **HS25120464-06SD** Units: **mg/L** Analysis Date: **16-Dec-2025 12:30**
Client ID: Run ID: **ICPMS06_528320** SeqNo: **9191865** PrepDate: **13-Dec-2025** DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Iron	ND	1.00					0.005336	0	10	
Manganese	0.1905	0.0250					0.187	1.85	10	

The following samples were analyzed in this batch: HS25120532-01 HS25120532-02

ALS Houston, US Date: 16-Dec-25

Client: Permian Basin Environmental Lab, LP
Project: 5L09015-01
WorkOrder: **HS25120532**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	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
O	Sample amount is > 4 times amount spiked
P	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
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

ALS Houston, US Date: 16-Dec-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-240-R4	30-Apr-2026
Dept of Defense	L24-239-R1	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Louisiana	LA028	31-Dec-2026
Maine	2024017	23-Jun-2026
Maryland	343-2025-26	30-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
Oklahoma	2023-140	31-Dec-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	TX-C25-00104	30-Apr-2026
Utah	TX026932025-17	31-Jul-2026

ALS Houston, US Date: 16-Dec-25

Sample Receipt Checklist

Work Order ID: HS25120532 **Date/Time Received:** 11-Dec-2025 10:10

Client Name: Permian Basin Lab **Received by:** Chelsea Rogers

Completed By:	/S/ Chelsea Rogers	11-Dec-2025 13:37	**Reviewed by:**	/S/ Beverly Mustafa	11-Dec-2025 14:17
	eSignature	Date/Time		eSignature	Date/Time

Matrices: W Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.9UC/1.9C	IR 34	
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	12/11/2025 13:37		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

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: RALAND TUTTLE
Project Name: SUBCONTRACT
Company Name: PBEL
Project #:
Company Address: 1400 Rankin HWY
Project Loc:
City/State/Zip: Midland Texas 79701
PO #:
Telephone No: 432-686-7235
Fax No:
Report Format: X Standard ☐ TRRP ☐ NPDES
Sampler Signature: N/A
e-mail: raland@pbelab.com, sara@pbelab.com, tressa@pbelab.com

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE	125 ml. amber boston rounds	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: RSK SOP-175	Mn DISS ICPMS 6020A	Fe DISS ICPMS 6020A	72 HOUR	STANDARD
	5L09015-01			12/9/2025	9:44		4	X	X	X							W		X	X	X		X
	5L09015-02			12/9/2025	8:28		4	X	X	X							W		X	X	X		

HS25120532
Permian Basin Environmental Lab, LP
5L09015-01

Please add tressa@pbelab.com and sara@pbelab.com for WOA's.

Relinquished by: RALAND TUTTLE	12/10/2025	17:00	Received by:	Date	Time
Relinquished by:	Date	Time 1010	Received by: 12/11/25	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

IR34 Cf0.0 mad

ORIGIN ID:MAFA (432) 686-7235
TRESSA BLEDSOE
PERMIAN BASIN ENVIRONMENTAL LAB, LP
1400 RANKIN HWY

MIDLAND, TX 79701
UNITED STATES US

SHIP DATE: 10DEC25
ACTWGT: 18.00 LB
CAD: 107136846/INET4535
DIMS: 16x10x15 IN

BILL RECIPIENT

TO **SAMPLE RECEIVING**
ALS-HOUSTON
10450 STANCLIFF RD

HOUSTON TX 77099
(281) 530-5615 REF.
INV:
PO: DEPT:

58HJ4DC22695F2

FedEx Express

THU - 11 DEC 5:00P
STANDARD OVERNIGHT

TRK# 0201 **8869 4033 0658**

77099
AB SGRA TX-US **IAH**

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

APPENDIX D

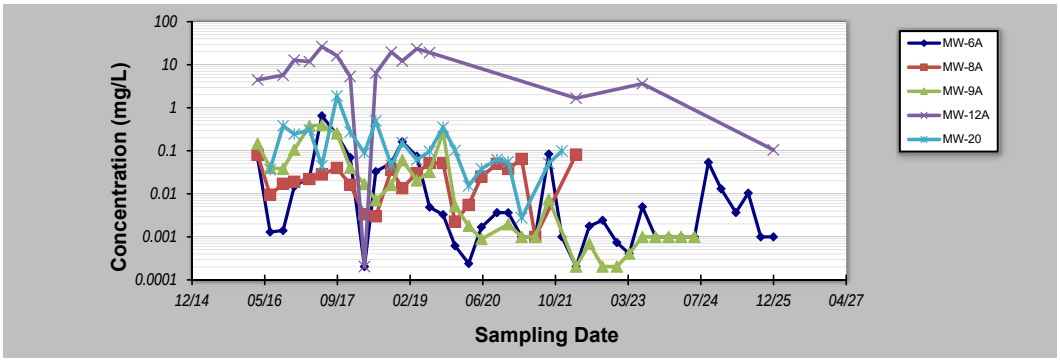
Mann-Kendall Analysis

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 21-Jan-25
Facility Name: CS Caylor
Conducted By: Rachel Goodwin

Job ID: 700376.049
Constituent: Benzene
Concentration Units: mg/L

Sampling Point ID:	MW-6A	MW-8A	MW-9A	MW-12A	MW-20		
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	22-Mar-16	0.0693	0.0799	0.147	4.46			
2	16-Jun-16	0.0013	0.00950	0.0400		0.0364		
3	13-Sep-16	0.0014	0.0171	0.0382	5.7	0.382		
4	29-Nov-16	0.0148	0.0190	0.106	12.8	0.244		
5	14-Mar-17	0.0241	0.0220	0.381	11.8	0.306		
6	7-Jun-17	0.652	0.0281	0.394	26.4	0.0449		
7	19-Sep-17	0.235	0.0398	0.253	16.2	1.89		
8	19-Dec-17	0.0699	0.0162	0.0404	5.34	0.275		
9	27-Mar-18	0.000204	0.00332	0.0168	0.000204	0.0896		
10	13-Jun-18	0.0329	0.00300	0.0071	6.35	0.496		
11	28-Sep-18	0.0522	0.0363	0.016	19.7	0.0455		
12	12-Dec-18	0.163	0.0135	0.0607	12.2	0.155		
13	22-Mar-19	0.0748	0.0303	0.0205	23.5	0.0614		
14	18-Jun-19	0.0049	0.0519	0.0322	19.2	0.0968		
15	19-Sep-19	0.00329	0.0519	0.276		0.353		
16	10-Dec-19	0.00062	0.00226	0.00517		0.102		
17	13-Mar-20	0.00024	0.00550	0.0018		0.0153		
18	9-Jun-20	0.00169	0.0252	0.00089		0.0382		
19	24-Sep-20	0.00367	0.0495			0.0627		
20	10-Dec-20	0.00364	0.0378	0.00196		0.0556		
21	12-Mar-21	0.001	0.0643	0.00100		0.00277		
22	14-Jun-21	0.001	0.00100	0.00100				
23	15-Sep-21	0.08408	0.488*1	0.00747		0.0506		
24	14-Dec-21	0.001				0.0991		
25	22-Mar-22	0.000204	0.0817	0.000204	1.67			
26	21-Jun-22	0.00178		0.000694				
27	20-Sep-22	0.00243		0.000204				
28	27-Dec-22	0.00074		0.000204				
29	22-Mar-23	0.000408		0.000408				
30	21-Jun-23	0.005		0.001	3.63			
31	19-Sep-23	0.00100		0.00100				
32	18-Dec-23	0.00100		0.00100				
33	13-Mar-24	0.00100		0.00100				
34	13-Jun-24	0.00100		0.00100				
35	17-Sep-24	0.0538						
36	13-Dec-24	0.0131						
37	25-Mar-25	0.00368						
38	18-Jun-25	0.0104						
39	12-Sep-25	0.00100						
40	8-Dec-25	0.00100			0.105			
Coefficient of Variation:		2.77	0.80	1.90	0.80	1.78		
Mann-Kendall Statistic (S):		-179	34	-296	-10	-65		
Confidence Factor:		98.2%	80.6%	>99.9%	65.5%	96.5%		
Concentration Trend:		Decreasing	No Trend	Decreasing	Stable	Decreasing		



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

APPENDIX E

MDPE Report

talonlpe.com • 866.742.0742

TALON LPE

Mobile Dual Phase Extraction (MDPE) Report

C.S. Caylor Pipeline
Lea County, New Mexico
SRS # 2002-10250
NMOCD# AP-052
2025 MDPE Events

Prepared For:
Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Talon/LPE, Ltd.
921 N. Bivins Street
Amarillo, Texas 79107

Distribution:
Copy 1 - Plains Pipeline, L.P. - Denver City
Copy 2 - Plains Pipeline, L.P. - Houston

December 22, 2025

TALON LPE

TABLE OF CONTENTS

Attachments:

Attachment 1 - MDPE Field Logs

Attachment 2 - Laboratory Analytical Results

Attachment 3 - Oxidizer Charts

I. MDPE SUMMARY REPORT AND WASTE DISPOSITION

A. MDPE Results

The following report summarizes data collected during the four (4) 24-hour Mobile Dual Phase Extraction (MDPE) events conducted during 2025 at the C.S. Caylor Pipeline site, located in Lea County, New Mexico. The objective of the MDPE treatment was to remove both vapor and liquid phase separated hydrocarbons (PSH) from groundwater monitoring wells. Talon/LPE utilized an MDPE unit which consisted of a Soil Vapor Extraction (SVE) pump capable of generating vacuum up to 25 inHg. Off-gas vapors extracted from the extraction wells were destroyed using a propane-fired 1000-SCFM thermal oxidizer capable of processing 172.96 lbs/hr of gasoline.

A total of four (4) days of PSH recovery was performed on MW-19 during the 2025 events. PSH recovery at MW-5A was performed only during the initial event.

Prior to and immediately following the events, the groundwater wells were gauged for groundwater elevation and PSH. Depth to groundwater ranges were measured in feet below the top of casing. Refer to Attachment 1 for a summary of data collected during the MDPE events.

The volume of PSH removed during the MDPE events is shown to reflect the portions of PSH in the liquid phase and as off-gas vapor. Air removal rates were calculated from velocity measurements recorded at the influent manifold prior to entry into the MDPE unit. PSH recovery and air flow data has been detailed and is contained in Table 1 through Table 4. Influent air samples were collected over the course of each event. These samples were submitted for laboratory testing in order to compare the predicted vapor concentrations (based on field-screening or calculated based on fuel consumption) to the actual vapor concentrations. Each influent sample from each event was tested for Total-Gas Analysis (Hydrocarbon Composition) by GPA 2261M. Laboratory analytical results can be found in Attachment 2.

Based on collected field data and reported vapor concentrations, a combined estimated total of **671.03 equivalent gallons of hydrocarbons (total)** were removed during the events. The combined volume of hydrocarbons removed was comprised of approximately **216.17 gallons of PSH (liquid phase)** and approximately **454.86 gallons as off-gas vapor.** The calculations used to estimate the off-gas vapor mass recovered reflect the mass of total hydrocarbons recovered and does not necessarily equate to an

equal mass of the product released. The mass recovery calculations may be affected by variations in the specific gravity of hydrocarbon released, age of release, activity of aerobic and/or anaerobic processes, and site specific geochemical factors.

The cumulative air flow measurements for the MDPE events were calculated using a combination of field data measurements and Preso® B+ manufacturer provided formulas. Air flow rates extracted from the recovery wells averaged **201.87 SCFM during the events.**

B. Air Quality

Influent air samples were collected during each event. These samples were submitted for laboratory testing in order to compare the predicted vapor concentrations (based on field-screening or calculated based on fuel consumption) to the actual vapor concentrations. The maximum influent concentration was recorded as 45,180 ppmv for Hydrocarbon Composition. Laboratory analytical results can be found in Attachment 2.

C. Waste Management and Disposition

A cumulative total of 1,677.2 gallons of fluid were generated during these events. The fluids were temporarily transferred to an on-site storage tank prior to being transferred to an authorized disposal facility.

II. SYSTEM OPERATION DATA AND MASS RECOVERY CALCULATIONS

Formula:

$$\text{Concentration (C\_mg/l)} = \frac{\text{C\_ppmv x Mol. wt. in mg x 1000 x 0.000001}}{\text{0.0821 x Temp (K)}}$$

$$\text{Recovery Rate (lbs/hr)} = \frac{\text{(C\_mg/l) x 2.2 x (Flowrate) x 60 x 28.32}}{\text{1,000,000}}$$

$$\text{Recovery (lbs)} = \text{(lbs/hr) x (hrs)}$$

$$\text{Correction Factor (CF)} = \frac{\text{PID Reading(ppmv)}}{\text{PID Reading at Time of Laboratory Analysis}}$$

$$\frac{\text{8.34 lbs}}{\text{gallon water}} \times \text{0.82 average specific gravity of light crude} = \frac{\text{6.84 lbs light crude}}{\text{gallon}}$$

Table 1
System Operation Data and Mass Recovery Calculations 3/6/2025

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_2O)	Differential Pressure (inH_2O)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
17:00	1	72	20	272.18	59.7	155.42	1534	16900	16900	1.00	16900	19.96	11.60	11.60	11.60
18:00	1	68	20	272.18	51.7	145.18	1511	-	16900	0.99	16647	19.81	10.75	10.75	22.35
19:00	1	68	20	272.18	46.7	137.98	1488	-	16900	0.97	16393	19.51	10.06	10.06	32.41
20:00	1	66	20	272.18	33.5	117.09	1463	-	16900	0.95	16118	19.26	8.43	8.43	40.84
21:00	1	66	20	272.18	36.2	121.72	1472	-	16900	0.96	16217	19.37	8.82	8.82	49.66
22:00	1	66	20	272.18	28.5	108.00	1491	-	16900	0.97	16426	19.62	7.92	7.92	57.58
23:00	1	64	20	272.18	31.4	113.58	1453	-	16900	0.95	16008	19.20	8.15	8.15	65.73
0:00	1	62	20	272.18	31.0	113.07	1460	-	26990	1.03	27750	34.19	14.45	14.45	80.18
1:00	1	60	20	272.18	31.5	114.19	1441	-	26990	1.01	27389	33.87	14.46	14.46	94.64
2:00	1	58	20	272.18	31.1	113.68	1436	-	26990	1.01	27294	33.89	14.40	14.40	109.04
3:00	1	54	20	272.18	31.0	113.94	1414	-	26990	1.00	26876	33.63	14.32	14.32	123.37
4:00	1	54	20	272.18	31.1	114.13	1420	26990	26990	1.00	26990	33.77	14.41	14.41	137.77
5:00	1	50	20	272.18	30.7	113.83	1407	-	26990	0.99	26743	33.72	14.35	14.35	152.12
6:00	1	50	20	272.18	30.3	113.09	1396	-	26990	0.98	26534	33.46	14.15	14.15	166.27
7:00	1	50	20	272.18	30.0	112.53	1417	-	26990	1.00	26933	33.96	14.29	14.29	180.55
8:00	1	54	20	272.18	29.8	111.71	1426	-	26990	1.00	27104	33.91	14.16	14.16	194.72
9:00	1	58	20	272.18	29.6	110.91	1405	-	34500	1.01	34948	44.28	18.36	18.36	213.07
10:00	1	66	20	272.18	29.0	108.94	1376	-	34500	0.99	34226	42.70	17.39	17.39	230.46
11:00	1	70	20	272.18	28.2	107.02	1365	-	34500	0.98	33953	42.04	16.82	16.82	247.28
12:00	1	70	20	272.18	28.8	108.15	1381	-	34500	1.00	34351	42.53	17.20	17.20	264.48
13:00	1	72	20	272.18	29.6	109.44	1399	-	34500	1.01	34798	42.93	17.56	17.56	282.04
14:00	1	72	20	272.18	30.0	110.18	1392	-	34500	1.00	34624	42.71	17.59	17.59	299.63
15:00	1	74	20	272.18	30.2	110.34	1387	34500	34500	1.00	34500	42.40	17.49	17.49	317.12
16:00	1	76	20	272.18	30.5	110.68	1369	-	34500	0.99	34052	41.69	17.25	17.25	334.37
Averages:		63.33	20.00	272.18	33.34	116.45	1429.29						Total	334.37	
													PSH Mass Recovered in Vapor Phase =	48.88	gallons

Conversion from ppmv to mg/L (Influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(grams)	(atm)	(atm·liter/mole·K)	(°F)	(K)	(mg/L)
16900	28.6299	1	0.0821	72	295.22	19.96

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outputs are the blue values.

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	334.37	lbs
	48.88	gallons
PSH Mass Recovered in Liquid Phase =	376.82	lbs
	55.09	gallons
TOTAL =	**711.18**	**lbs**
	103.97	**gallons**

Gallons removed determined at time of pick up.

PSH Volume in Gallons=	55.09
PSH Mass in Pounds=	376.82

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.076		760
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.000		0
Iso-Butane (C4H10)	58.12	0.002		20
N-Butane (C4H10)	58.12	0.037		370
Iso-Pentane (C4H12)	72.15	0.088		880
N-Pentane (C5H12)	72.15	0.146		1460
Hexane+ (C6H14)	93.19	1.341		13410
			Total	**16900**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	97.371
Methane (CH4)	16.0425	0.136
Carbon Dioxide (CO2)	44.011	1.969
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.000
Iso-Butane (C4H10)	58.1222	0.001
N-Butane (C4H10)	58.1222	0.018
Iso-Pentane (C4H12)	72.1488	0.035
N-Pentane (C5H12)	72.1488	0.058
Hexane+ (C6H14)	93.1887	0.412
	Total	100
	Calculated MW	**28.6299**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.274		2740
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.000		0
Iso-Butane (C4H10)	58.12	0.010		100
N-Butane (C4H10)	58.12	0.083		830
Iso-Pentane (C4H12)	72.15	0.212		2120
N-Pentane (C5H12)	72.15	0.335		3350
Hexane+ (C6H14)	93.19	1.785		17850
			Total	**26990**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	93.264
Methane (CH4)	16.0425	0.500
Carbon Dioxide (CO2)	44.011	5.406
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.000
Iso-Butane (C4H10)	58.1222	0.005
N-Butane (C4H10)	58.1222	0.042
Iso-Pentane (C4H12)	72.1488	0.086
N-Pentane (C5H12)	72.1488	0.136
Hexane+ (C6H14)	93.1887	0.561
	Total	100
	Calculated MW	**29.2986**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 3

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.508		5080
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.000		0
Iso-Butane (C4H10)	58.12	0.016		160
N-Butane (C4H10)	58.12	0.130		1300
Iso-Pentane (C4H12)	72.15	0.306		3060
N-Pentane (C5H12)	72.15	0.461		4610
Hexane+ (C6H14)	93.19	2.029		20290
			Total	**34500**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	89.205
Methane (CH4)	16.0425	0.946
Carbon Dioxide (CO2)	44.011	8.805
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.000
Iso-Butane (C4H10)	58.1222	0.008
N-Butane (C4H10)	58.1222	0.067
Iso-Pentane (C4H12)	72.1488	0.127
N-Pentane (C5H12)	72.1488	0.191
Hexane+ (C6H14)	93.1887	0.651
	Total	100
	Calculated MW	**29.8983**

Table 2
System Operation Data and Mass Recovery Calculations 8/6/2025

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_2O)	Differential Pressure (inH_2O)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
15:30	1	106	15	204.14	82.7	217.35	1951	36590	36590	1.00	36590	41.69	33.87	33.87	33.87
16:30	1	106	15	204.14	92.1	229.37	1947	-	36590	1.00	36515	41.60	35.67	35.67	69.54
17:30	1	100	15	204.14	92.7	231.35	1962	-	36590	1.01	36796	42.37	36.65	36.65	106.19
18:30	1	92	15	204.14	93.0	233.39	1973	-	36590	1.01	37003	43.23	37.72	37.72	143.90
19:30	1	90	15	204.14	93.3	234.20	1955	-	36590	1.00	36665	42.99	37.64	37.64	181.54
20:30	1	86	15	204.14	93.8	235.68	1932	-	36590	0.99	36234	42.80	37.70	37.70	219.25
21:30	1	82	15	204.14	93.9	236.68	1907	-	36590	0.98	35765	42.55	37.65	37.65	256.90
22:30	1	80	15	204.14	93.7	236.86	1883	-	27240	1.01	27503	32.34	28.64	28.64	285.53
23:30	1	78	15	204.14	93.2	236.67	1876	-	27240	1.01	27401	32.34	28.61	28.61	314.14
0:30	1	78	15	204.14	93.0	236.41	1889	-	27240	1.01	27591	32.56	28.78	28.78	342.92
1:30	1	76	15	204.14	92.9	236.73	1870	-	27240	1.00	27313	32.36	28.63	28.63	371.56
2:30	1	74	15	204.14	92.6	236.79	1865	27240	27240	1.00	27240	32.39	28.67	28.67	400.23
3:30	1	74	15	204.14	92.4	236.53	1851	-	27240	0.99	27036	32.15	28.43	28.43	428.66
4:30	1	72	15	204.14	91.9	236.33	1843	-	27240	0.99	26919	32.13	28.39	28.39	457.04
5:30	1	72	15	204.14	91.6	235.95	1862	-	27240	1.00	27196	32.46	28.63	28.63	485.67
6:30	1	72	15	204.14	91.5	235.82	1874	-	27240	1.00	27371	32.67	28.80	28.80	514.47
7:30	1	72	15	204.14	91.1	235.30	1857	-	40030	0.97	38940	47.54	41.82	41.82	556.30
8:30	1	74	15	204.14	90.8	234.47	1840	-	40030	0.96	38583	46.93	41.14	41.14	597.43
9:30	1	82	15	204.14	91.3	233.38	1861	-	40030	0.97	39023	46.77	40.80	40.80	638.23
10:30	1	88	15	204.14	91.7	232.60	1883	-	40030	0.99	39485	46.80	40.69	40.69	678.93
11:30	1	92	15	204.14	92.0	232.14	1892	-	40030	0.99	39674	46.68	40.51	40.51	719.44
12:30	1	96	15	204.14	92.7	232.18	1886	-	40030	0.99	39548	46.20	40.10	40.10	759.54
13:30	1	100	15	204.14	92.8	231.47	1909	40030	40030	1.00	40030	46.43	40.18	40.18	799.71
14:30	1	102	15	204.14	93.1	231.43	1924	-	40030	1.01	40345	46.63	40.34	40.34	840.05
Averages:		85.17	15.00	204.14	92.08	233.71	1895.50						Total	840.05	
													PSH Mass Recovered in Vapor Phase =	122.81	gallons

Conversion from ppmv to mg/L (Influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(grams)	(atm)	(atm·liter/mole·K)	(°F)	(K)	(mg/L)
36590	29.3814	1	0.0821	106	314.11	41.69

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outputs are the blue values.

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	840.05	lbs
	122.81	gallons
PSH Mass Recovered in Liquid Phase =	571.35	lbs
	83.53	gallons
TOTAL =	**1411.40**	**lbs**
	206.34	**gallons**

Gallons removed determined at time of pick up.

PSH Volume in Gallons=	83.53
PSH Mass in Pounds=	571.35

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.458		4580
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.002		20
Iso-Butane (C4H10)	58.12	0.010		100
N-Butane (C4H10)	58.12	0.093		930
Iso-Pentane (C4H12)	72.15	0.241		2410
N-Pentane (C5H12)	72.15	0.368		3680
Hexane+ (C6H14)	93.19	2.487		24870
			Total	**36590**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	92.891
Methane (CH4)	16.0425	0.838
Carbon Dioxide (CO2)	44.011	5.186
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.005
N-Butane (C4H10)	58.1222	0.047
Iso-Pentane (C4H12)	72.1488	0.098
N-Pentane (C5H12)	72.1488	0.150
Hexane+ (C6H14)	93.1887	0.784
	Total	100
	Calculated MW	**29.3814**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.347		3470
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.003		30
Iso-Butane (C4H10)	58.12	0.008		80
N-Butane (C4H10)	58.12	0.058		580
Iso-Pentane (C4H12)	72.15	0.160		1600
N-Pentane (C5H12)	72.15	0.247		2470
Hexane+ (C6H14)	93.19	1.901		19010
			Total	**27240**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	95.318
Methane (CH4)	16.0425	0.626
Carbon Dioxide (CO2)	44.011	3.268
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.002
Iso-Butane (C4H10)	58.1222	0.004
N-Butane (C4H10)	58.1222	0.029
Iso-Pentane (C4H12)	72.1488	0.064
N-Pentane (C5H12)	72.1488	0.099
Hexane+ (C6H14)	93.1887	0.590
	Total	100
	Calculated MW	**28.9305**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 3

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.519		5190
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.001		10
Iso-Butane (C4H10)	58.12	0.012		120
N-Butane (C4H10)	58.12	0.100		1000
Iso-Pentane (C4H12)	72.15	0.268		2680
N-Pentane (C5H12)	72.15	0.407		4070
Hexane+ (C6H14)	93.19	2.696		26960
			Total	**40030**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	91.629
Methane (CH4)	16.0425	0.958
Carbon Dioxide (CO2)	44.011	6.222
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.006
N-Butane (C4H10)	58.1222	0.051
Iso-Pentane (C4H12)	72.1488	0.110
N-Pentane (C5H12)	72.1488	0.167
Hexane+ (C6H14)	93.1887	0.856
	Total	100
	Calculated MW	**29.5940**

Table 3
System Operation Data and Mass Recovery Calculations 9/10/2025

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_2O)	Differential Pressure (inH_2O)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
16:30	1	102	14	190.53	102.3	250.58	1903	45180	45180	1.00	45180	52.41	49.09	49.09	49.09
17:30	1	96	14	190.53	93.7	241.10	1883	-	45180	0.99	44705	52.41	47.24	47.24	96.33
18:30	1	90	14	190.53	91.4	239.42	1880	-	45180	0.99	44634	52.90	47.35	47.35	143.68
19:30	1	88	14	190.53	87.4	234.55	1876	-	45180	0.99	44539	52.98	46.46	46.46	190.14
20:30	1	86	15	204.14	86.3	226.06	1873	-	45180	0.98	44468	53.09	44.87	44.87	235.00
21:30	1	82	15	204.14	86.1	226.63	1854	-	45180	0.97	44017	52.94	44.85	44.85	279.86
22:30	1	78	15	204.14	85.3	226.41	1860	-	45180	0.98	44159	53.51	45.29	45.29	325.14
23:30	1	74	15	204.14	85.2	227.13	1869	-	34970	1.03	35872	43.16	36.65	36.65	361.79
0:30	1	70	15	204.14	85.1	227.85	1858	-	34970	1.02	35661	43.23	36.82	36.82	398.61
1:30	1	70	15	204.14	85.3	228.12	1840	-	34970	1.01	35315	42.81	36.51	36.51	435.12
2:30	1	68	15	204.14	85.6	228.95	1834	-	34970	1.01	35200	42.84	36.66	36.66	471.78
3:30	1	64	15	204.14	84.7	228.61	1822	34970	34970	1.00	34970	42.88	36.65	36.65	508.43
4:30	1	62	15	204.14	85.4	229.99	1813	-	34970	1.00	34797	42.83	36.83	36.83	545.26
5:30	1	60	15	204.14	85.2	230.16	1819	-	34970	1.00	34912	43.14	37.12	37.12	582.37
6:30	1	60	15	204.14	86.0	231.24	1826	-	34970	1.00	35047	43.31	37.43	37.43	619.81
7:30	1	64	15	204.14	86.3	230.76	1830	-	34970	1.00	35124	43.07	37.15	37.15	656.96
8:30	1	78	15	204.14	86.5	228.00	1835	-	33820	1.04	35082	41.88	35.70	35.70	692.66
9:30	1	80	15	204.14	87.2	228.50	1826	-	33820	1.03	34910	41.52	35.47	35.47	728.13
10:30	1	82	15	204.14	87.6	228.60	1820	-	33820	1.03	34795	41.23	35.24	35.24	763.36
11:30	1	88	15	204.14	87.9	227.73	1815	-	33820	1.03	34699	40.67	34.62	34.62	797.98
12:30	1	90	15	204.14	88.3	227.83	1792	-	33820	1.01	34260	40.01	34.07	34.07	832.06
13:30	1	94	15	204.14	88.7	227.52	1782	-	33820	1.01	34069	39.50	33.59	33.59	865.65
14:30	1	96	15	204.14	88.5	226.86	1769	33820	33820	1.00	33820	39.07	33.13	33.13	898.78
15:30	1	96	15	204.14	89.1	227.63	1758	-	33820	0.99	33610	38.82	33.04	33.04	931.82
Averages:		79.92	14.83	201.87	87.71	230.43	1834.88						Total	931.82	
													PSH Mass Recovered in Vapor Phase =	136.23	gallons

Conversion from ppmv to mg/L (Influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(grams)	(atm)	(atm·liter/mole·K)	(°F)	(K)	(mg/L)
45180	29.7012	1	0.0821	102	311.89	52.41

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outputs are the blue values.

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	931.82	lbs
	136.23	gallons
PSH Mass Recovered in Liquid Phase =	254.45	lbs
	37.20	gallons
TOTAL =	1186.27	lbs
	173.43	gallons

Gallons removed determined at time of pick up.

PSH Volume in Gallons=	37.20
PSH Mass in Pounds=	254.45

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.465		4650
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.001		10
Iso-Butane (C4H10)	58.12	0.014		140
N-Butane (C4H10)	58.12	0.117		1170
Iso-Pentane (C4H12)	72.15	0.321		3210
N-Pentane (C5H12)	72.15	0.503		5030
Hexane+ (C6H14)	93.19	3.097		30970
			Total	**45180**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	91.649
Methane (CH4)	16.0425	0.861
Carbon Dioxide (CO2)	44.011	6.096
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.007
N-Butane (C4H10)	58.1222	0.060
Iso-Pentane (C4H12)	72.1488	0.132
N-Pentane (C5H12)	72.1488	0.207
Hexane+ (C6H14)	93.1887	0.987
	Total	100
	Calculated MW	**29.7012**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.379		3790
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.002		20
Iso-Butane (C4H10)	58.12	0.010		100
N-Butane (C4H10)	58.12	0.083		830
Iso-Pentane (C4H12)	72.15	0.237		2370
N-Pentane (C5H12)	72.15	0.385		3850
Hexane+ (C6H14)	93.19	2.401		24010
			Total	**34970**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	93.736
Methane (CH4)	16.0425	0.691
Carbon Dioxide (CO2)	44.011	4.519
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.005
N-Butane (C4H10)	58.1222	0.042
Iso-Pentane (C4H12)	72.1488	0.096
N-Pentane (C5H12)	72.1488	0.156
Hexane+ (C6H14)	93.1887	0.754
	Total	100
	Calculated MW	**29.2730**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 3

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.420		4200
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.002		20
Iso-Butane (C4H10)	58.12	0.006		60
N-Butane (C4H10)	58.12	0.083		830
Iso-Pentane (C4H12)	72.15	0.229		2290
N-Pentane (C5H12)	72.15	0.355		3550
Hexane+ (C6H14)	93.19	2.287		22870
			Total	**33820**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	93.529
Methane (CH4)	16.0425	0.766
Carbon Dioxide (CO2)	44.011	4.704
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.003
N-Butane (C4H10)	58.1222	0.042
Iso-Pentane (C4H12)	72.1488	0.093
N-Pentane (C5H12)	72.1488	0.144
Hexane+ (C6H14)	93.1887	0.718
	Total	100
	Calculated MW	**29.2629**

Table 4
System Operation Data and Mass Recovery Calculations 11/6/2025

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_2O)	Differential Pressure (inH_2O)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
19:30	1	60	15	204.14	72.6	212.46	1821	36970	36970	1.00	36970	45.85	36.42	36.42	36.42
20:30	1	58	15	204.14	74.3	215.35	1805	-	36970	0.99	36645	45.63	36.73	36.73	73.15
21:30	1	55	15	204.14	75.4	217.57	1784	-	36970	0.98	36219	45.36	36.89	36.89	110.04
22:30	1	56	15	204.14	74.9	216.64	1776	-	36970	0.98	36056	45.07	36.50	36.50	146.54
23:30	1	57	15	204.14	74.3	215.56	1793	-	36970	0.98	36402	45.41	36.59	36.59	183.13
0:30	1	56	15	204.14	74.1	215.48	1811	-	36970	0.99	36767	45.96	37.02	37.02	220.15
1:30	1	60	15	204.14	73.9	214.36	1826	-	36970	1.00	37072	45.98	36.84	36.84	257.00
2:30	1	58	15	204.14	75.2	216.65	1805	-	42250	1.04	44031	55.35	44.82	44.82	301.82
3:30	1	58	15	204.14	78.3	221.07	1775	-	42250	1.02	43299	54.43	44.98	44.98	346.80
4:30	1	54	15	204.14	79.9	224.19	1768	-	42250	1.02	43128	54.63	45.79	45.79	392.59
5:30	1	54	15	204.14	85.5	231.91	1747	-	42250	1.01	42616	53.98	46.80	46.80	439.39
6:30	1	50	15	204.14	84.3	231.18	1732	42250	42250	1.00	42250	53.94	46.62	46.62	486.00
7:30	1	50	15	204.14	88.9	237.40	1719	-	42250	0.99	41933	53.54	47.51	47.51	533.51
8:30	1	52	15	204.14	82.6	228.39	1705	-	42250	0.98	41591	52.89	45.16	45.16	578.67
9:30	1	65	15	204.14	78.9	220.43	1726	-	42250	1.00	42104	52.22	43.03	43.03	621.70
10:30	1	72	15	204.14	85.3	227.69	1715	-	42250	0.99	41835	51.20	43.58	43.58	665.28
11:30	1	76	15	204.14	91.3	234.68	1703	-	39590	1.02	40324	48.85	42.86	42.86	708.14
12:30	1	78	15	204.14	96.2	240.45	1685	-	39590	1.01	39898	48.16	43.28	43.28	751.42
13:30	1	82	15	204.14	95.7	238.93	1717	-	39590	1.03	40656	48.71	43.51	43.51	794.93
14:30	1	82	15	204.14	94.5	237.43	1697	-	39590	1.01	40182	48.14	42.73	42.73	837.65
15:30	1	84	15	204.14	94.3	236.74	1664	-	39590	1.00	39401	47.03	41.62	41.62	879.28
16:30	1	86	15	204.14	94.0	235.93	1688	-	39590	1.01	39969	47.53	41.92	41.92	921.20
17:30	1	82	15	204.14	94.3	237.18	1672	39590	39590	1.00	39590	47.43	42.05	42.05	963.25
18:30	1	80	15	204.14	94.2	237.49	1653	-	39590	0.99	39140	47.07	41.79	41.79	1005.04
Averages:		65.21	15.00	204.14	83.87	226.88	1741.13						Total	1005.04	
													PSH Mass Recovered in Vapor Phase =	146.94	gallons

Conversion from ppmv to mg/L (Influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(grams)	(atm)	(atm·liter/mole·K)	(°F)	(K)	(mg/L)
36970	29.3835	1	0.0821	60	288.56	45.85

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outputs are the blue values.

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	1005.04	lbs
	146.94	gallons
PSH Mass Recovered in Liquid Phase =	275.99	lbs
	40.35	gallons
TOTAL =	**1281.03**	**lbs**
	187.29	**gallons**

Gallons removed determined at time of pick up.

PSH Volume in Gallons=	40.35
PSH Mass in Pounds=	275.99

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.385		3850
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.002		20
Iso-Butane (C4H10)	58.12	0.012		120
N-Butane (C4H10)	58.12	0.113		1130
Iso-Pentane (C4H12)	72.15	0.287		2870
N-Pentane (C5H12)	72.15	0.449		4490
Hexane+ (C6H14)	93.19	2.449		24490
			Total	**36970**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	93.173
Methane (CH4)	16.0425	0.706
Carbon Dioxide (CO2)	44.011	4.985
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.001
Iso-Butane (C4H10)	58.1222	0.006
N-Butane (C4H10)	58.1222	0.057
Iso-Pentane (C4H12)	72.1488	0.117
N-Pentane (C5H12)	72.1488	0.183
Hexane+ (C6H14)	93.1887	0.772
	Total	100
	Calculated MW	**29.3835**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.437		4370
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.003		30
Iso-Butane (C4H10)	58.12	0.014		140
N-Butane (C4H10)	58.12	0.137		1370
Iso-Pentane (C4H12)	72.15	0.365		3650
N-Pentane (C5H12)	72.15	0.542		5420
Hexane+ (C6H14)	93.19	2.727		27270
			Total	**42250**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	91.681
Methane (CH4)	16.0425	0.808
Carbon Dioxide (CO2)	44.011	6.191
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.002
Iso-Butane (C4H10)	58.1222	0.007
N-Butane (C4H10)	58.1222	0.070
Iso-Pentane (C4H12)	72.1488	0.150
N-Pentane (C5H12)	72.1488	0.223
Hexane+ (C6H14)	93.1887	0.868
	Total	100
	Calculated MW	**29.6633**

% Vol. (Wt. %) Hydrocarbon to ppmv - Influent 3

Compound	Molecular Weight (g/mol)	Wt. %	=	ppmv
Methane (CH4)	16.04	0.439		4390
Ethane (C2H6)	30.07	0.000		0
Propane (C3H8)	44.10	0.003		30
Iso-Butane (C4H10)	58.12	0.014		140
N-Butane (C4H10)	58.12	0.124		1240
Iso-Pentane (C4H12)	72.15	0.317		3170
N-Pentane (C5H12)	72.15	0.473		4730
Hexane+ (C6H14)	93.19	2.589		25890
			Total	**39590**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10% octanes

Molecular Weight Calculations

Component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	91.935
Methane (CH4)	16.0425	0.810
Carbon Dioxide (CO2)	44.011	6.037
Ethane (C2H6)	30.069	0.000
Propane (C3H8)	44.0956	0.002
Iso-Butane (C4H10)	58.1222	0.007
N-Butane (C4H10)	58.1222	0.063
Iso-Pentane (C4H12)	72.1488	0.130
N-Pentane (C5H12)	72.1488	0.194
Hexane+ (C6H14)	93.1887	0.822
	Total	100
	Calculated MW	**29.5847**

ATTACHMENT 1

MDPE Field Logs

MDPE FIELD NOTES					
Site Name:	C.S. Caylor			Event #:	1
Location:	Lovington, NM			Arrive at site:	15:30
Date:	3/6/2025				
Job #:	700376.049.41	SRS #:	2002-10250	Start Vac:	16:00
		Unit:	2097	Stop Vac:	16:00
Onsite Personnel:	B Huntington N Parker			Leave Site:	16:30

GAUGING DATA							
WELL #	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
MW-5A	103.49	104.05	0.56	-	104.02	0.00	
WASTE:	H_2O:	704.68		PSH:	55.09		TOTAL (GAL): 759.77

Sample Name		Analysis	Date:	Time:	Comments:	
INFLUENT	1	C6+	6-Mar-25	17:00	PID = 1534	
INFLUENT	2	C6+	7-Mar-25	04:00	PID = 1420	
INFLUENT	3	C6+	7-Mar-25	15:00	PID = 1387	

Notes:
Tank 4.54 - 4.55
Pump stuck in MW-19
Propane 60 - 40

Start Date: 3/6/2025		700376.049.41		24HR		2097				Page 1 of 1	
Well Flow							Well Data				
Time	Sample Taken	Influent Temperature (°F)	Differential Pressure (inH_2O) 2" Preso	Vacuum (inHg)	PID Composite (ppm)	Exhaust Temperature (°F)	Comments: MW-5A Vacuum (inH_2O)				
17:00	*1	72	59.7	20	1534	1534	15.2				
18:00		68	51.7	20	1511	1525	14.5				
19:00		68	46.7	20	1488	1526	14.1				
20:00		66	33.5	20	1463	1524	14.3				
21:00		66	36.2	20	1472	1530	14.6				
22:00		66	28.5	20	1491	1538	14.5				
23:00		64	31.4	20	1453	1549	14.0				
00:00		62	31.0	20	1460	1546	14.4				
01:00		60	31.5	20	1441	1565	14.2				
02:00		58	31.1	20	1436	1551	14.3				
03:00		54	31.0	20	1414	1552	14.7				
04:00	*2	54	31.1	20	1420	1550	14.5				
05:00		50	30.7	20	1407	1551	14.5				
06:00		50	30.3	20	1396	1549	14.4				
07:00		50	30.0	20	1417	1548	14.4				
08:00		54	29.8	20	1426	1542	14.4				
09:00		58	29.6	20	1405	1546	14.3				
10:00		66	29.0	20	1376	1540	14.4				
11:00		70	28.2	20	1365	1544	14.5				
12:00		70	28.8	20	1381	1549	14.3				
13:00		72	29.6	20	1399	1550	14.2				
14:00		72	30.0	20	1392	1551	14.4				
15:00	*3	74	30.2	20	1387	1553	14.5				
16:00		76	30.5	20	1369	1555	14.3				

MDPE FIELD NOTES					
Site Name:	C.S. Caylor			Event #:	2
Location:	Lovington, NM			Arrive at site:	14:00
Date:	8/6/2025				
Job #:	700376.049.41	SRS #:	2002-10250	Start Vac:	14:30
		Unit:	2097	Stop Vac:	14:30
Onsite Personnel:	B Huntington N Parker			Leave Site:	15:00

GAUGING DATA							
WELL #	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
MW-5A	104.55	104.71	0.16	-	105.72	0.00	102
MW-19	105.90	108.11	2.21	-	107.01	0.00	104
WASTE:	H_2O: 315.70			PSH: 83.53			TOTAL (GAL): 399.23

Sample Name		Analysis	Date:	Time:	Comments:	
INFLUENT	1	C6+	6-Aug-25	15:30	PID = 1951	
INFLUENT	2	C6+	7-Aug-25	02:30	PID = 1865	
INFLUENT	3	C6+	7-Aug-25	13:30	PID = 1909	

Notes:	
Tank Start : 3.34 - sheen	End : 3.15 - 3.19

Start Date: 8/6/2025		700376.049.41		24HR		2097				Page 1 of 1
Well Flow							Well Data			
Time	Sample Taken	Influent Temperature (°F)	Differential Pressure (inH_2O) 2" Preso	Vacuum (inHg)	PID Composite (ppm)	Exhaust Temperature (°F)	Comments: MW-5A Vacuum (inH_2O)	MW-19 Vacuum (inH2O)		
15:30	*1	106	82.7	15	1951	1435	16.1	9.1		
16:30		106	92.1	15	1947	1439	16.3	9.5		
17:30		100	92.7	15	1962	1444	16.6	9.8		
18:30		92	93.0	15	1973	1457	16.8	9.9		
19:30		90	93.3	15	1955	1453	17.0	10.1		
20:30		86	93.8	15	1932	1460	17.2	10.4		
21:30		82	93.9	15	1907	1462	17.3	10.2		
22:30		80	93.7	15	1883	1465	17.4	10.1		
23:30		78	93.2	15	1876	1467	17.2	9.8		
00:30		78	93.0	15	1889	1468	17.0	9.6		
01:30		76	92.9	15	1870	1471	16.9	9.7		
02:30	*2	74	92.6	15	1865	1472	16.7	9.9		
03:30		74	92.4	15	1851	1461	16.7	10.0		
04:30		72	91.9	15	1843	1469	16.9	10.3		
05:30		72	91.6	15	1862	1466	16.8	10.2		
06:30		72	91.5	15	1874	1462	16.5	9.9		
07:30		72	91.1	15	1857	1466	16.6	9.7		
08:30		74	90.8	15	1840	1464	16.3	9.8		
09:30		82	91.3	15	1861	1471	16.5	9.7		
10:30		88	91.7	15	1883	1480	16.3	9.5		
11:30		92	92.0	15	1892	1485	16.5	9.6		
12:30		96	92.7	15	1886	1487	16.4	9.9		
13:30	*3	100	92.8	15	1909	1492	16.8	9.8		
14:30		102	93.1	15	1924	1496	17.1	9.6		

MDPE FIELD NOTES					
Site Name:	C.S. Caylor			Event #:	3
Location:	Lovington, NM			Arrive at site:	15:00
Date:	9/10/2025				
Job #:	700376.049.41	SRS #:	2002-10250	Start Vac:	15:30
		Unit:	2097	Stop Vac:	15:30
Onsite Personnel:	B Huntington L Bridges			Leave Site:	16:00

GAUGING DATA							
WELL #	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
MW-5A	104.78	105.29	0.51	-	105.96	0.00	
MW-19	106.27	108.11	1.84	-	107.19	0.00	
WASTE:	H_2O: 258.02			PSH: 37.20			TOTAL (GAL): 295.22

Sample Name		Analysis	Date:	Time:	Comments:	
INFLUENT	1	C6+	10-Sep-25	16:30	PID = 1903	
INFLUENT	2	C6+	11-Sep-25	03:30	PID = 1822	
INFLUENT	3	C6+	11-Sep-25	14:30	PID = 1769	

Notes:
Tank : 2.39 - 2.40
2.25 - 2.28

Start Date: 9/10/2025		700376.049.41		24HR		2097			Page 1 of 1		
Well Flow							Well Data				
Time	Sample Taken	Influent Temperature (°F)	Differential Pressure (inH_2O) 2" Preso	Vacuum (inHg)	PID Composite (ppm)	Exhaust Temperature (°F)	Comments: MW-5A Vacuum (inH_2O)	MW-19 Vacuum (inH2O)			
16:30	*1	102	102.3	14	1903	1557	14.2	8.5			
17:30		96	93.7	14	1883	1575	14.5	8.4			
18:30		90	91.4	14	1880	1599	14.8	8.1			
19:30		88	87.4	14	1876	1627	15.0	8.0			
20:30		86	86.3	15	1873	1635	15.1	8.3			
21:30		82	86.1	15	1854	1638	15.5	8.5			
22:30		78	85.3	15	1860	1647	15.4	8.4			
23:30		74	85.2	15	1869	1659	15.1	8.0			
00:30		70	85.1	15	1858	1660	15.3	8.3			
01:30		70	85.3	15	1840	1657	15.6	8.7			
02:30		68	85.6	15	1834	1653	15.4	8.4			
03:30	*2	64	84.7	15	1822	1650	15.4	8.3			
04:30		62	85.4	15	1813	1648	15.5	8.1			
05:30		60	85.2	15	1819	1642	15.3	8.0			
06:30		60	86.0	15	1826	1640	15.6	8.2			
07:30		64	86.3	15	1830	1635	15.9	8.3			
08:30		78	86.5	15	1835	1637	15.7	8.0			
09:30		80	87.2	15	1826	1634	16.2	8.6			
10:30		82	87.6	15	1820	1631	16.1	8.4			
11:30		88	87.9	15	1815	1628	16.3	8.2			
12:30		90	88.3	15	1792	1620	16.4	8.5			
13:30		94	88.7	15	1782	1625	16.7	8.5			
14:30	*3	96	88.5	15	1769	1623	16.5	8.7			
15:30		96	89.1	15	1758	1620	16.9	8.8			

MDPE FIELD NOTES					
Site Name:	C.S. Caylor			Event #:	4
Location:	Lovington, NM			Arrive at site:	18:00
Date:	11/6/2025				
Job #:	700376.049.41	SRS #:	2002-10250	Start Vac:	18:30
		Unit:	2097	Stop Vac:	18:30
Onsite Personnel:	B Huntington T Bridges			Leave Site:	19:00

GAUGING DATA							
WELL #	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
MW-19	106.34	108.23	1.89	-	107.89	0.00	104
MW-5A	104.70	106.14	1.44	-	106.03	0.00	102
WASTE:	H_2O:	182.63		PSH:	40.35		TOTAL (GAL): 222.98

Sample Name		Analysis	Date:	Time:	Comments:	
INFLUENT	1	C6+	6-Nov-25	19:30	PID = 1821	
INFLUENT	2	C6+	7-Nov-25	06:30	PID = 1732	
INFLUENT	3	C6+	7-Nov-25	17:30	PID = 1672	

Notes:
Tank : 2.91 - 2.80 2.82
Propane 60% - 45%

Start Date:	11/6/2025	700376.049.41		24HR		2097			Page 1 of 1		
Well Flow							Well Data				
Time	Sample Taken	Influent Temperature (°F)	Differential Pressure (inH_2O) 2" Preso	Vacuum (inHg)	PID Composite (ppm)	Exhaust Temperature (°F)	Comments:				
							MW-19 Vacuum (inH_2O)	MW-5A Vacuum (inH2O)			
19:30	*1	60	72.6	15	1821	1537	8.4	12.7			
20:30		58	74.3	15	1805	1530	8.0	12.5			
21:30		55	75.4	15	1784	1522	7.8	12.4			
22:30		56	74.9	15	1776	1520	8.1	12.8			
23:30		57	74.3	15	1793	1519	8.2	12.6			
00:30		56	74.1	15	1811	1517	8.0	12.5			
01:30		60	73.9	15	1826	1515	8.4	12.8			
02:30		58	75.2	15	1805	1514	8.7	12.9			
03:30		58	78.3	15	1775	1513	8.6	13.1			
04:30		54	79.9	15	1768	1511	8.4	13.0			
05:30		54	85.5	15	1747	1509	8.7	13.3			
06:30	*2	50	84.3	15	1732	1510	8.7	13.6			
07:30		50	88.9	15	1719	1505	8.9	13.4			
08:30		52	82.6	15	1705	1519	8.6	13.2			
09:30		65	78.9	15	1726	1523	8.9	13.2			
10:30		72	85.3	15	1715	1536	8.7	13.7			
11:30		76	91.3	15	1703	1543	8.6	13.5			
12:30		78	96.2	15	1685	1548	8.5	13.7			
13:30		82	95.7	15	1717	1541	8.2	13.3			
14:30		82	94.5	15	1697	1544	8.1	13.4			
15:30		84	94.3	15	1664	1543	8.2	13.5			
16:30		86	94.0	15	1688	1546	8.3	13.6			
17:30	*3	82	94.3	15	1672	1544	8.1	13.4			
18:30		80	94.2	15	1653	1540	8.0	13.2			

ATTACHMENT 2

Laboratory Analytical Results

Certificate of Analysis

Number: 1030-25030374-001A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 1	Report Date:	03/13/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Date:	03/06/2025 17:00
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	03/11/2025
Analyzed:	03/13/2025 07:25:29 by PTW	Login Date:	03/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	97.371	95.283		GPM TOTAL C2+	0.219
Methane	0.136	0.076		GPM TOTAL C3+	0.219
Carbon Dioxide	1.969	3.027		GPM TOTAL iC5+	0.213
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	0.001	0.002	NIL		
n-Butane	0.018	0.037	0.006		
Iso-pentane	0.035	0.088	0.013		
n-Pentane	0.058	0.146	0.021		
Hexanes Plus	0.412	1.341	0.179		
	100.000	100.000	0.219		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9884	3.2176
Calculated Molecular Weight	28.63	93.19
Compressibility Factor	0.9996	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	27	5113
Water Sat. Gas Base BTU	26	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25030374-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 2	Report Date:	03/13/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Date:	03/07/2025 04:00
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	03/11/2025
Analyzed:	03/13/2025 07:47:58 by PTW	Login Date:	03/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	93.264	89.180		GPM TOTAL C2+	0.339
Methane	0.500	0.274		GPM TOTAL C3+	0.339
Carbon Dioxide	5.406	8.121		GPM TOTAL iC5+	0.324
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	0.005	0.010	0.002		
n-Butane	0.042	0.083	0.013		
Iso-pentane	0.086	0.212	0.031		
n-Pentane	0.136	0.335	0.049		
Hexanes Plus	0.561	1.785	0.244		
	100.000	100.000	0.339		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	1.0116	3.2176
Calculated Molecular Weight	29.30	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	44	5113
Water Sat. Gas Base BTU	43	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25030374-003A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 3	Report Date:	03/13/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Date:	03/07/2025 15:00
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	03/11/2025
Analyzed:	03/13/2025 08:21:26 by PTW	Login Date:	03/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	89.205	83.588		GPM TOTAL C2+	0.422
Methane	0.946	0.508		GPM TOTAL C3+	0.422
Carbon Dioxide	8.805	12.962		GPM TOTAL iC5+	0.398
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	0.008	0.016	0.003		
n-Butane	0.067	0.130	0.021		
Iso-pentane	0.127	0.306	0.046		
n-Pentane	0.191	0.461	0.069		
Hexanes Plus	0.651	2.029	0.283		
	100.000	100.000	0.422		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0325	3.2176
Calculated Molecular Weight	29.90	93.19
Compressibility Factor	0.9994	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	58	5113
Water Sat. Gas Base BTU	57	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

SPL, Inc.

Analysis Request Chain of Custody Record

SPL

SPL Work Order No.:	SPL Work Order No.:	Acct. Mate Code:	Dept. Code	SPL Page 1 of 1
Report To: (Company Name): Talon LPE	Project/Station Name: CS Caylor	Project/Station Number: 700376.099.41	Project/Station Location: Lovington NM	Requested TAT
Address: 921 N. Bivins	Special Instructions:			☐ 24hr * ☐ 48hr * ☐ 72hr *
City/State/Zip: Amarillo, Texas 79107				
Contact: Jason Shubert				
Phone: 806-467-0607 Fax: 806-467-0622				
Invoice To: (Company Name): Talon LPE	Indicate Billing Type.	Net 30 day Acct. ☐	Check #	Cash Recv'd $	☐ Standard
Address: 921 N Bivins		Credit Card ☐	Contact SPL, Inc for CC payment arrangements.		☐ Other Indicate Below
City/State/Zip: Amarillo, Texas 79107	* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.	Requested Analysis			
Contact: Jason Shubert					
Phone: 806-467-0607 Fax: 806-467-0622					
PO / Ref. No.:					
Contract/Proposal #:					* Surcharges May Apply

Sample ID & Point	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder #	Date Out	Date In	C6+	Comments
Influent 1	3-6-25	1710	Gas							X	
Influent 2	3-7-25	0910	|							X	
Influent 3	3-7-25	1520	|							X	

Sampled By-Print Name: B Hentschel Signature: [signature]			Company Name:			
Relinquished By-Print Name: B Hentschel Signature: [signature]	Date: 3-7-25	Time:	Received By-Print Name: Signature:		Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature: [signature]		Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature:		Date:	Time:

RECEIVED
MAR 1 1 2025
BY: 13:27

☐ 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901
☐ 9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337
☐ P.O. Box 3079 Laurel, MS 39442 (601) 428-0842
☐ 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775
☐ 1595 US 79 South Carthage, TX 75633 (903) 693-6242
☐ 459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to you

Certificate of Analysis

Number: 1030-25080434-001A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent # 1	Report Date:	08/15/2025
Station Number:	700376.049.11	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Date:	08/06/2025 15:30
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	08/12/2025
Analyzed:	08/14/2025 18:25:28 by EKK	Login Date:	08/13/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	92.891	88.572		GPM TOTAL C2+	0.447
Methane	0.838	0.458		GPM TOTAL C3+	0.447
Carbon Dioxide	5.186	7.769		GPM TOTAL iC5+	0.430
Ethane	NIL	NIL	NIL		
Propane	0.001	0.002	NIL		
Iso-butane	0.005	0.010	0.002		
n-Butane	0.047	0.093	0.015		
Iso-pentane	0.098	0.241	0.036		
n-Pentane	0.150	0.368	0.054		
Hexanes Plus	0.784	2.487	0.340		
	100.000	100.000	0.447		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0145	3.2176
Calculated Molecular Weight	29.38	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	60	5113
Water Sat. Gas Base BTU	59	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25080434-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent # 2	Report Date:	08/15/2025
Station Number:	700376.049.11	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Date:	08/07/2025 02:30
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	08/12/2025
Analyzed:	08/14/2025 19:54:32 by EKK	Login Date:	08/13/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	95.318	92.304		GPM TOTAL C2+	0.326
Methane	0.626	0.347		GPM TOTAL C3+	0.326
Carbon Dioxide	3.268	4.972		GPM TOTAL iC5+	0.315
Ethane	NIL	NIL	NIL		
Propane	0.002	0.003	0.001		
Iso-butane	0.004	0.008	0.001		
n-Butane	0.029	0.058	0.009		
Iso-pentane	0.064	0.160	0.023		
n-Pentane	0.099	0.247	0.036		
Hexanes Plus	0.590	1.901	0.256		
	100.000	100.000	0.326		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9989	3.2176
Calculated Molecular Weight	28.93	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	44	5113
Water Sat. Gas Base BTU	43	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25080434-003A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 3	Report Date:	08/15/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Date:	08/07/2025 13:30
Method:	GPA-2261M	Sample Conditions:	
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	08/12/2025
Analyzed:	08/14/2025 20:43:16 by EKK	Login Date:	08/13/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	91.629	86.743		GPM TOTAL C2+	0.490
Methane	0.958	0.519		GPM TOTAL C3+	0.490
Carbon Dioxide	6.222	9.254		GPM TOTAL iC5+	0.472
Ethane	NIL	NIL	NIL		
Propane	0.001	0.001	NIL		
Iso-butane	0.006	0.012	0.002		
n-Butane	0.051	0.100	0.016		
Iso-pentane	0.110	0.268	0.040		
n-Pentane	0.167	0.407	0.060		
Hexanes Plus	0.856	2.696	0.372		
	100.000	100.000	0.490		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0219	3.2176
Calculated Molecular Weight	29.59	93.19
Compressibility Factor	0.9994	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	66	5113
Water Sat. Gas Base BTU	65	5024

Andy Hartman, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

SPL, Inc.
Analysis Request Chain of Custody Record

SPL

SPL Work Order No.:	SPL Work Order No.:	Acct. Mate Code:
Dept. Code	SPL Page 1 of 1	

Report To: (Company Name):	Talon LPE
Address	921 N. Bivins
City/State/Zip	Amarillo, Texas 79107
Contact:	Jason Shubert
Phone:	806-467-0607 Fax: 806-467-0622
Invoice To: (Company Name):	Talon LPE
Address	921 N Bivins
City/State/Zip	Amarillo, Texas 79107
Contact:	Jason Shubert
Phone:	806-467-0607 Fax: 606-467-0622
PO / Ref. No.:	
Contract/Proposal #:	

Project/Station Name: CS Caylor
Project/Station Number: 70037609941
Project/Station Location: Lovington NM

Special Instructions:

Requested TAT: [ ] 24hr* [ ] 48hr* [ ] 72hr* [ ] Standard [ ] Other Indicate Below

Indicate Billing Type: Net 30 day Acct. [ ] Check # ___ Cash Recv'd $ ___ Credit Card [ ] Contact SPL, Inc for CC payment arrangements.

* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.

Requested Analysis

* Surcharges May Apply

Sample ID & Point	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder #	Date Out	Date In	C6+	Comments
Inlet 1	8-7-25	1526	Gas							X	
Inlet 2	8-7-25	1038	|							X	
Inlet 3	8-7-25	138	|							X	

Sampled By-Print Name: B. Hoyle Signature: [signature]		Company Name:		
Relinquished By-Print Name: B. Hoyle Signature: [signature]	Date: 8-7-25	Time:	Received By-Print Name: Signature:	Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature:	Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature: [signature]	Date: 08/12/25	Time: 13:30

[ ] 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901
[ ] 9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337
[ ] P.O. Box 3079 Laurel, MS 39442 (601) 428-0842
[ ] 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775
[ ] 1595 US 79 South Carthage, TX 75633 (903) 693-6242
[ ] 459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to

Certificate of Analysis

Number: 1030-25090534-001A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 1	Report Date:	09/22/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	09/10/2025 16:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	09/16/2025
Analyzed:	09/18/2025 18:43:31 by EKK	Login Date:	09/17/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	91.649	86.449		GPM TOTAL C2+	0.572
Methane	0.861	0.465		GPM TOTAL C3+	0.572
Carbon Dioxide	6.096	9.033		GPM TOTAL iC5+	0.551
Ethane	NIL	NIL	NIL		
Propane	0.001	0.001	NIL		
Iso-butane	0.007	0.014	0.002		
n-Butane	0.060	0.117	0.019		
Iso-pentane	0.132	0.321	0.048		
n-Pentane	0.207	0.503	0.075		
Hexanes Plus	0.987	3.097	0.428		
	100.000	100.000	0.572		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0256	3.2176
Calculated Molecular Weight	29.70	93.19
Compressibility Factor	0.9994	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	75	5113
Water Sat. Gas Base BTU	74	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25090534-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 2	Report Date:	09/22/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	09/11/2025 15:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	09/16/2025
Analyzed:	09/18/2025 19:07:46 by EKK	Login Date:	09/17/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	93.736	89.708		GPM TOTAL C2+	0.433
Methane	0.691	0.379		GPM TOTAL C3+	0.433
Carbon Dioxide	4.519	6.795		GPM TOTAL iC5+	0.418
Ethane	NIL	NIL	NIL		
Propane	0.001	0.002	NIL		
Iso-butane	0.005	0.010	0.002		
n-Butane	0.042	0.083	0.013		
Iso-pentane	0.096	0.237	0.035		
n-Pentane	0.156	0.385	0.056		
Hexanes Plus	0.754	2.401	0.327		
	100.000	100.000	0.433		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	1.0108	3.2176
Calculated Molecular Weight	29.27	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	57	5113
Water Sat. Gas Base BTU	56	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25090534-003A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent 3	Report Date:	09/22/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	09/11/2025 14:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	09/16/2025
Analyzed:	09/18/2025 19:31:55 by EKK	Login Date:	09/17/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	93.529	89.543		GPM TOTAL C2+	0.412
Methane	0.766	0.420		GPM TOTAL C3+	0.412
Carbon Dioxide	4.704	7.075		GPM TOTAL iC5+	0.398
Ethane	NIL	NIL	NIL		
Propane	0.001	0.002	NIL		
Iso-butane	0.003	0.006	0.001		
n-Butane	0.042	0.083	0.013		
Iso-pentane	0.093	0.229	0.034		
n-Pentane	0.144	0.355	0.052		
Hexanes Plus	0.718	2.287	0.312		
	100.000	100.000	0.412		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	1.0104	3.2176
Calculated Molecular Weight	29.26	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	55	5113
Water Sat. Gas Base BTU	54	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

SPL, Inc.
Analysis Request Chain of Custody Record

SPL

Report To: (Company Name):	Talon LPE	SPL Work Order No.:	SPL Work Order No.:	Acct. Mate Code:	Dept. Code	SPL Page 1 of 1	
Address	921 N. Bivins	Project/Station Name: CS Caylor	Project/Station Number: 700376.048.11	Project/Station Location: Lovington NM		Requested TAT	
City/State/Zip	Amarillo, Texas 79107	Special Instructions:				24hr *	
Contact:	Jason Shubert					48hr *	
Phone:	806-467-0607	Fax: 806-467-0622				72hr *	
Invoice To: (Company Name):	Talon LPE	Indicate Billing Type.	Net 30 day Acct.	Check #	Cash Recv'd $	Standard	
Address	921 N Bivins		Credit Card	Contact SPL, Inc for CC payment arrangements.		Other Indicate Below	
City/State/Zip	Amarillo, Texas 79107	* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.	Requested Analysis			RECEIVED SEP 16 2025 BY:	
Contact:	Jason Shubert						
Phone:	806-467-0607	Fax: 806-467-0622					
PO / Ref. No.:							
Contract/Proposal #:						* Surcharges May Apply	

MDPE Sample ID & Point	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder #	Date Out	Date In	C6+	Comments
Inflt 1	9-1-25	1630	Gas							X	
In Flt 2	9-11	0330								X	
In Flot 3	9-11	1430								X	

Sampled By-Print Name: B Taylor Signature: [signature]			Company Name:		
Relinquished By-Print Name: B Taylor Signature: [signature]	Date: 9-11-25	Time:	Received By-Print Name: Signature:	Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature:	Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature: [signature] Vy Vy	Date:	Time:

- [x] 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901
- [ ] 9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337
- [ ] P.O. Box 3079 Laurel, MS 39442 (601) 428-0842
- [ ] 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775
- [ ] 1595 US 79 South Carthage, TX 75633 (903) 693-6242
- [ ] 459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to

Certificate of Analysis

Number: 1030-25110369-001A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent #1	Report Date:	11/18/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	CS Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	11/06/2025 19:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	11/11/2025
Analyzed:	11/17/2025 21:48:40 by EKK	Login Date:	11/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	93.173	88.836		GPM TOTAL C2+	0.464
Methane	0.706	0.385		GPM TOTAL C3+	0.464
Carbon Dioxide	4.985	7.467		GPM TOTAL iC5+	0.444
Ethane	NIL	NIL	NIL		
Propane	0.001	0.002	NIL		
Iso-butane	0.006	0.012	0.002		
n-Butane	0.057	0.113	0.018		
Iso-pentane	0.117	0.287	0.043		
n-Pentane	0.183	0.449	0.066		
Hexanes Plus	0.772	2.449	0.335		
	100.000	100.000	0.464		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0146	3.2176
Calculated Molecular Weight	29.38	93.19
Compressibility Factor	0.9995	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	61	5113
Water Sat. Gas Base BTU	60	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25110369-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent #2	Report Date:	11/18/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	11/07/2025 06:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	11/11/2025
Analyzed:	11/17/2025 22:12:17 by EKK	Login Date:	11/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	91.681	86.589		GPM TOTAL C2+	0.537
Methane	0.808	0.437		GPM TOTAL C3+	0.537
Carbon Dioxide	6.191	9.186		GPM TOTAL iC5+	0.512
Ethane	NIL	NIL	NIL		
Propane	0.002	0.003	0.001		
Iso-butane	0.007	0.014	0.002		
n-Butane	0.070	0.137	0.022		
Iso-pentane	0.150	0.365	0.055		
n-Pentane	0.223	0.542	0.080		
Hexanes Plus	0.868	2.727	0.377		
	100.000	100.000	0.537		

Calculated Physical Properties	**Total**	**C6+**
Relative Density Real Gas	1.0243	3.2176
Calculated Molecular Weight	29.66	93.19
Compressibility Factor	0.9994	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	70	5113
Water Sat. Gas Base BTU	69	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Certificate of Analysis

Number: 1030-25110369-003A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

John Hanley
Talon LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent #3	Report Date:	11/18/2025
Station Number:	700376.049.41	Sampled By:	BH
Station Location:	Lovington, NM	Sample Of:	Gas Spot
Sample Point:	C.S Caylor	Sample Conditions:	
Method:	GPA-2261M	Sample Date:	11/07/2025 17:30
Instrument:	HGC 16 A + 16B, Rear TCD #16B	Received Date:	11/11/2025
Analyzed:	11/17/2025 22:35:19 by EKK	Login Date:	11/12/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	91.935	87.060		GPM TOTAL C2+	0.497
Methane	0.810	0.439		GPM TOTAL C3+	0.497
Carbon Dioxide	6.037	8.981		GPM TOTAL iC5+	0.474
Ethane	NIL	NIL	NIL		
Propane	0.002	0.003	0.001		
Iso-butane	0.007	0.014	0.002		
n-Butane	0.063	0.124	0.020		
Iso-pentane	0.130	0.317	0.047		
n-Pentane	0.194	0.473	0.070		
Hexanes Plus	0.822	2.589	0.357		
	100.000	100.000	0.497		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	1.0216	3.2176
Calculated Molecular Weight	29.58	93.19
Compressibility Factor	0.9994	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	65	5113
Water Sat. Gas Base BTU	64	5024

Joseph Ponminissery, Laboratory Director

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

SPL, Inc.

Analysis Request Chain of Custody Record

SPL

Report To: (Company Name): Talon LPE	SPL Work Order No.:	SPL Work Order No.:	Acct. Mate Code:	Dept. Code
Address: 921 N. Bivins	Project/Station Name: CS Coyler	Project/Station Number: 7003760991.41	Project/Station Location: Lea/Lea NM	
City/State/Zip: Amarillo, Texas 79107	Special Instructions:			
Contact: Jason Shubert				
Phone: 806-467-0607 Fax: 806-467-0622				

SPL Page 1 of 1

Requested TAT: 24hr * / 48hr * / 72hr * / Standard / Other Indicate Below

* Surcharges May Apply

Invoice To: (Company Name):	Talon LPE
Address:	921 N Bivins
City/State/Zip:	Amarillo, Texas 79107
Contact:	Jason Shubert
Phone:	806-467-0607 Fax: 806-467-0622
PO / Ref. No.:	
Contract/Proposal #:	

Indicate Billing Type: Net 30 day Acct. | Check # | Cash Recv'd $ | Credit Card | Contact SPL, Inc for CC payment arrangements.

* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.

Requested Analysis

Sample ID & Point	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder #	Date Out	Date In	C6+	Comments
Inlet 1	11-6-25	1930	Gas							X	
Inlet 2	11-7-25	0630	|							X	
Inlet 3	11-7-25	1730	|							X	

Sampled By-Print Name: B Hk Kh Signature: BKM

Company Name:

Relinquished By-Print Name / Signature	Date	Time	Received By-Print Name / Signature	Date	Time
Relinquished By-Print Name: B Hk Kh Signature: BKM	11-7-25		Received By-Print Name: Signature:		
Relinquished By-Print Name: Signature:			Received By-Print Name: Signature:		
Relinquished By-Print Name: Signature:			Received By-Print Name: Signature: Shaylee M		

RECEIVED NOV 11 2[illegible] 10AM BY:

8820 Interchange Dr. Houston, TX 77054 (713) 660-0901

500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775

9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337

1595 US 79 South Carthage, TX 75633 (903) 693-6242

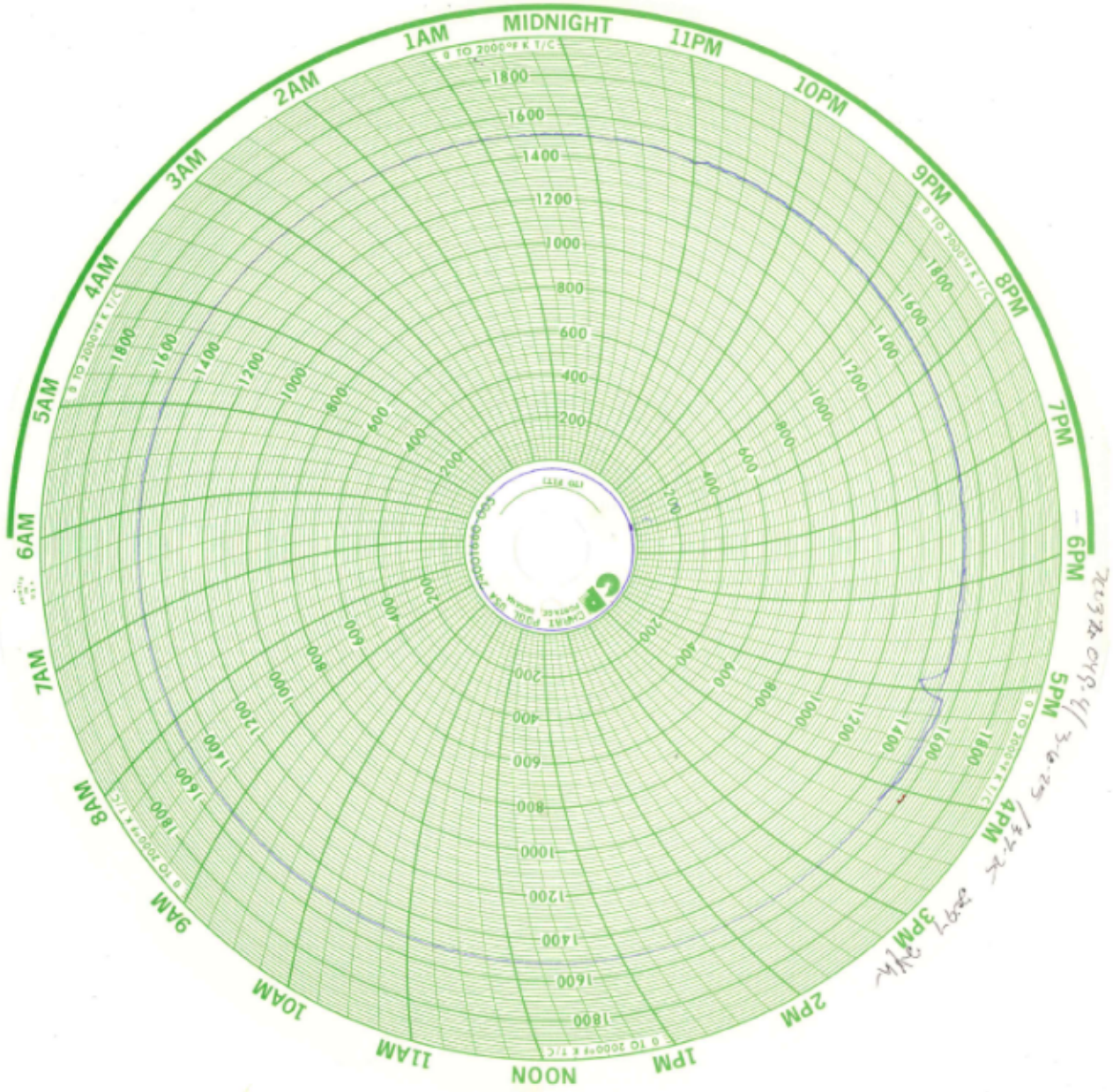
P.O. Box 3079 Laurel, MS 39442 (601) 428-0842

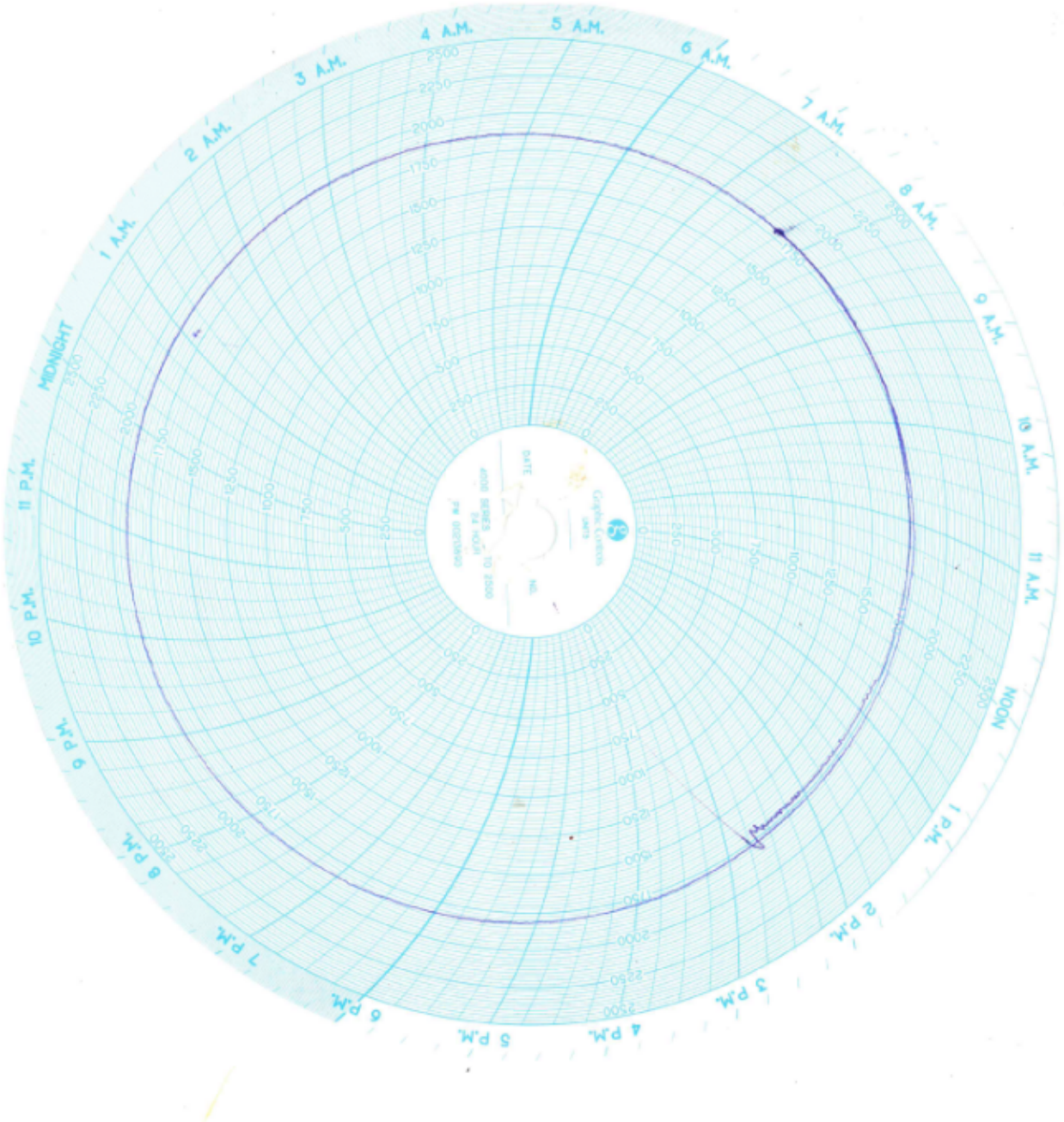
459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

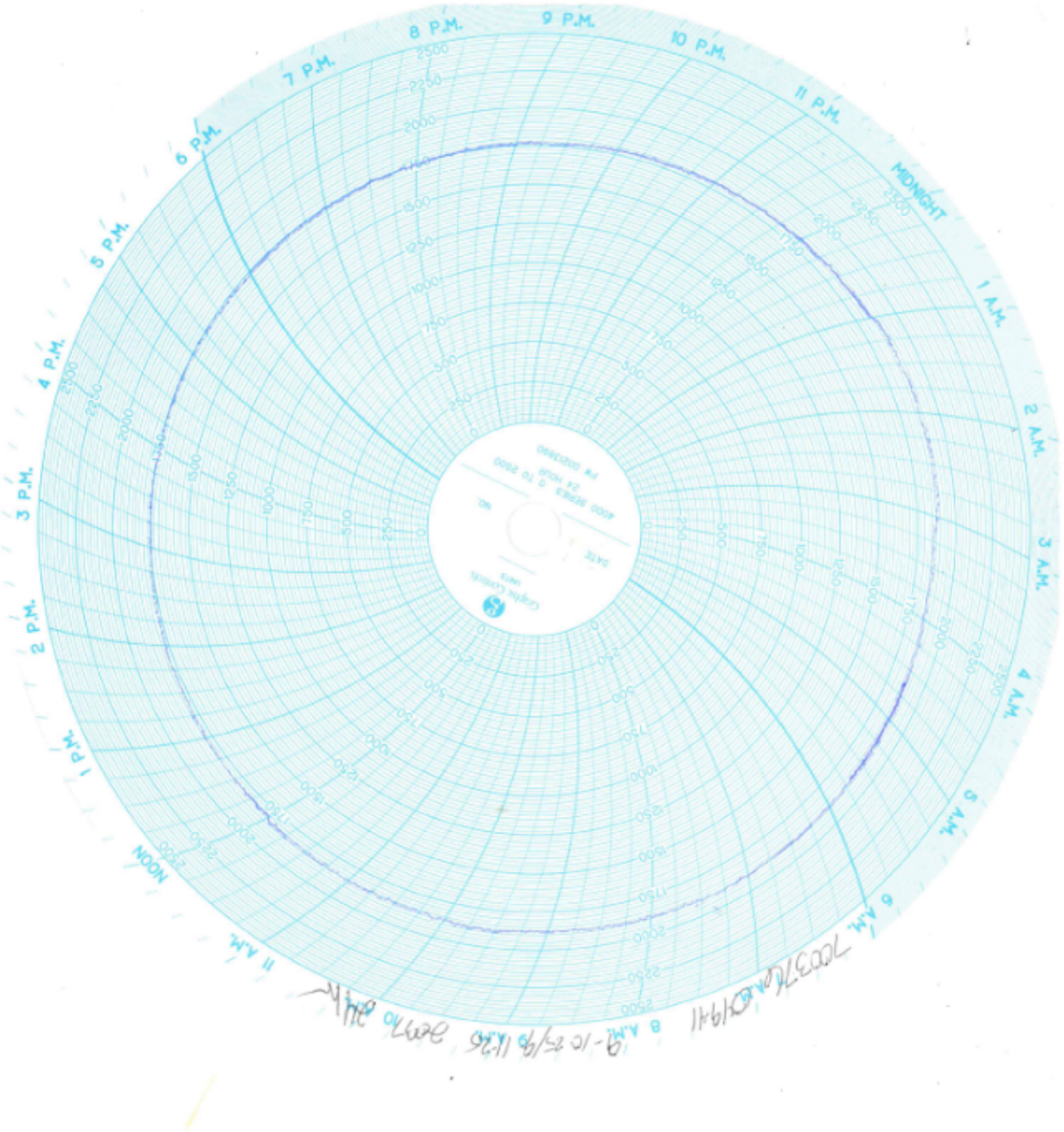
Note: As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to you.

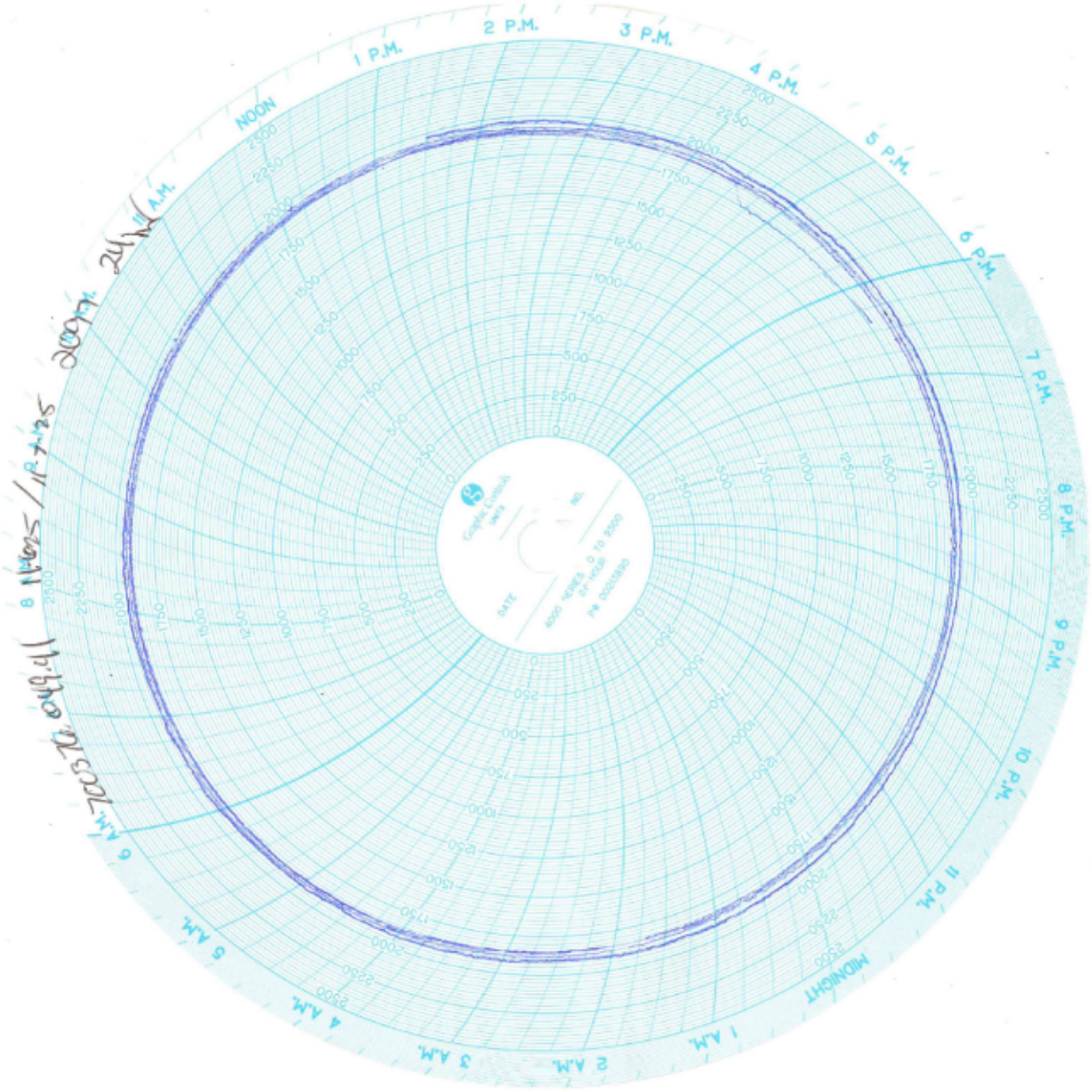
ATTACHMENT 3

Oxidizer Charts


MIDNIGHT
1AM
2AM
3AM
4AM
5AM
6AM
7AM
8AM
9AM
10AM
11AM
NOON
1PM
2PM
3PM
4PM
5PM
6PM
7PM
8PM
9PM
10PM
11PM
0 TO 2000°F K T/C
200
400
600
800
1000
1200
1400
1600
1800


MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.


MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.


NOON
1 P.M.
2 P.M.
3 P.M.
4 P.M.
5 P.M.
6 P.M.
7 P.M.
8 P.M.
9 P.M.
10 P.M.
11 P.M.
MIDNIGHT
1 A.M.
2 A.M.
3 A.M.
4 A.M.
5 A.M.
6 A.M.
7 A.M.
8 A.M.
9 A.M.
10 A.M.
11 A.M.
24 HR

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

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 567251
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
owen.sitler	1) Maintain quarterly groundwater monitoring as prescribed	5/18/2026
owen.sitler	2) Continue abatement activities as prescribed including operation and maintenance of the groundwater recovery system	5/18/2026
owen.sitler	3) Install nine monitoring wells as compensation for decreasing water levels	5/18/2026
owen.sitler	4) Submit to OCD the 2026 Annual Groundwater Report no later than April 2, 2027.	5/18/2026